

STATA INDEX

RELEASE 17



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Contents

Combined subject table of contents	1
Acronym glossary	54
Vignette index	60
Author index	62
Subject index	117

Combined subject table of contents

This is the complete contents for all manuals. Every estimation command has a postestimation entry; however, not all postestimation entries are listed here.

Getting started

Data manipulation and management

- Basic data commands*
- Creating and dropping variables*
- Functions and expressions*
- Strings*
- Dates and times*
- Loading, saving, importing, and exporting data*
- Combining data*
- Certifying data*

Utilities

- Basic utilities*
- Error messages*
- Stored results*

Graphics

- Common graphs*
- Distributional graphs*
- Item response theory graphs*
- Lasso graphs*
- Meta-analysis graphs*
- Multivariate graphs*
- Quality control*
- Regression diagnostic plots*
- ROC analysis*

Statistics

- ANOVA and related*
- Basic statistics*
- Bayesian analysis*
- Binary outcomes*
- Categorical outcomes*
- Censored and truncated regression models*
- Choice models*
- Cluster analysis*
- Correspondence analysis*
- Count outcomes*
- Discriminant analysis*
- Do-it-yourself generalized method of moments*
- Do-it-yourself maximum likelihood estimation*
- Dynamic stochastic general equilibrium models*
- Endogenous covariates*
- Epidemiology and related*
- Estimation related*
- Exact statistics*

- Reshaping datasets*
- Labeling, display formats, and notes*
- Changing and renaming variables*
- Examining data*
- File manipulation*
- Miscellaneous data commands*
- Multiple datasets in memory*
- Multiple imputation*

- Internet*
- Data types and memory*
- Advanced utilities*

- Smoothing and densities*
- Survival-analysis graphs*
- Time-series graphs*
- More statistical graphs*
- Editing*
- Graph utilities*
- Graph schemes*
- Graph concepts*

- Longitudinal data/panel data*
- Meta-analysis*
- Mixed models*
- Multidimensional scaling and biplots*
- Multilevel mixed-effects models*
- Multiple imputation*
- Multivariate analysis of variance and related techniques*
- Nonlinear regression*
- Nonparametric statistics*
- Ordinal outcomes*
- Other statistics*
- Pharmacokinetic statistics*
- Power, precision, and sample size*
- Quality control*
- ROC analysis*
- Rotation*
- Sample selection models*

<i>Extended regression models</i>	<i>Simulation/resampling</i>
<i>Factor analysis and principal components</i>	<i>Spatial autoregressive models</i>
<i>Finite mixture models</i>	<i>Standard postestimation tests, tables, and other analyses</i>
<i>Fractional outcomes</i>	<i>Structural equation modeling</i>
<i>Generalized linear models</i>	<i>Survey data</i>
<i>Indicator and categorical variables</i>	<i>Survival analysis</i>
<i>Item response theory</i>	<i>Time series, multivariate</i>
<i>Lasso</i>	<i>Time series, univariate</i>
<i>Latent class models</i>	<i>Transforms and normality tests</i>
<i>Linear regression and related</i>	<i>Treatment effects</i>
<i>Logistic and probit regression</i>	
Matrix commands	
<i>Basics</i>	<i>Other</i>
<i>Programming</i>	<i>Mata</i>
Programming	
<i>Basics</i>	<i>Projects</i>
<i>Program control</i>	<i>Advanced programming commands</i>
<i>Parsing and program arguments</i>	<i>Special-interest programming commands</i>
<i>Console output</i>	<i>File formats</i>
<i>Commonly used programming commands</i>	<i>Mata</i>
<i>Debugging</i>	
Customizable tables and collections	
Automated document and report creation	
Interface features	

Getting started

[GSM]	<i>Getting Started with Stata for Mac</i>	.....
[GSU]	<i>Getting Started with Stata for Unix</i>	.....
[GSW]	<i>Getting Started with Stata for Windows</i>	.....
[U]	Chapter 3	 Resources for learning and using Stata
[U]	Chapter 4	 Stata's help and search facilities
[R]	help	 Display help in Stata
[R]	search	 Search Stata documentation and other resources

Data manipulation and management

Basic data commands

[D]	Intro	 Introduction to data management reference manual
[D]	Data management	 Introduction to data management commands
[D]	codebook	 Describe data contents
[D]	Data types	 Quick reference for data types
[D]	Datetime	 Date and time values and variables
[D]	Datetime durations	 Obtaining and working with durations
[D]	Datetime relative dates	 Obtaining dates and date information from other dates
[D]	Datetime values from other software	 Date and time conversion from other software
[D]	describe	 Describe data in memory or in file
[D]	edit	 Browse or edit data with Data Editor

[D]	format	Set variables' output format
[D]	frames	Data frames
[D]	frames intro	Introduction to frames
[D]	insobs	Add or insert observations
[D]	inspect	Display simple summary of data's attributes
[D]	label	Manipulate labels
[D]	list	List values of variables
[D]	Missing values	Quick reference for missing values
[D]	rename	Rename variable
[D]	save	Save Stata dataset
[D]	sort	Sort data
[D]	use	Load Stata dataset
[D]	varmanage	Manage variable labels, formats, and other properties

Creating and dropping variables

[D]	clear	Clear memory
[D]	compress	Compress data in memory
[FN]	Date and time functions	
[D]	drop	Drop variables or observations
[D]	dyngen	Dynamically generate new values of variables
[D]	egen	Extensions to generate
[D]	frame copy	Make a copy of a frame
[D]	frame drop	Drop frames from memory
[D]	frame put	Copy selected variables or observations to a new frame
[D]	frames reset	Drop all frames from memory
[D]	generate	Create or change contents of variable
[FN]	Mathematical functions	
[FN]	Matrix functions	
[R]	orthog	Orthogonalize variables and compute orthogonal polynomials
[FN]	Programming functions	
[FN]	Random-number functions	
[FN]	Selecting time-span functions	
[FN]	Statistical functions	
[FN]	String functions	
[FN]	Trigonometric functions	

Functions and expressions

[U]	Section 12.4.2.1	Unicode string functions
[U]	Chapter 13	Functions and expressions
[FN]	Date and time functions	
[D]	egen	Extensions to generate
[FN]	Mathematical functions	
[FN]	Matrix functions	
[FN]	Programming functions	
[FN]	Random-number functions	
[FN]	Selecting time-span functions	
[FN]	Statistical functions	
[FN]	String functions	
[FN]	Trigonometric functions	

Strings

[U]	Section 12.4	Strings
[U]	Section 12.4.2	Handling Unicode strings
[U]	Chapter 24	Working with strings
[D]	Data types	Quick reference for data types
[FN]	String functions	
[D]	unicode	Unicode utilities

Dates and times

[U]	Section 12.5.3	Date and time formats
[U]	Chapter 25	Working with dates and times
[D]	bcal	Business calendar file manipulation
[D]	Datetime	Date and time values and variables
[D]	Datetime business calendars	Business calendars
[D]	Datetime business calendars creation	Business calendars creation
[D]	Datetime conversion	Converting strings to Stata dates
[D]	Datetime display formats	Display formats for dates and times
[D]	Datetime durations	Obtaining and working with durations
[D]	Datetime relative dates	Obtaining dates and date information from other dates
[D]	Datetime values from other software	Date and time conversion from other software

Loading, saving, importing, and exporting data

[GS]	Chapter 6 (GSM, GSU, GSW)	Using the Data Editor
[U]	Chapter 22	Entering and importing data
[D]	edit	Browse or edit data with Data Editor
[D]	export	Overview of exporting data from Stata
[D]	import	Overview of importing data into Stata
[D]	import dbase	Import and export dBase files
[D]	import delimited	Import and export delimited text data
[D]	import excel	Import and export Excel files
[D]	import fred	Import data from Federal Reserve Economic Data
[D]	import haver	Import data from Haver Analytics databases
[D]	import sas	Import SAS files
[D]	import sasxport5	Import and export data in SAS XPORT Version 5 format
[D]	import sasxport8	Import and export data in SAS XPORT Version 8 format
[D]	import spss	Import SPSS files
[D]	infile (fixed format)	Import text data in fixed format with a dictionary
[D]	infile (free format)	Import unformatted text data
[D]	infix (fixed format)	Import text data in fixed format
[D]	input	Enter data from keyboard
[D]	jdbc	Load, write, or view data from a database with a Java API
[D]	odbc	Load, write, or view data from ODBC sources
[D]	outfile	Export dataset in text format
[D]	save	Save Stata dataset
[D]	sysuse	Use shipped dataset
[D]	use	Load Stata dataset
[D]	webuse	Use dataset from Stata website

Combining data

[U]	Chapter 23	Combining datasets
[D]	append	Append datasets
[MI]	mi append	Append mi data
[D]	cross	Form every pairwise combination of two datasets
[D]	frget	Copy variables from linked frame
[D]	frlink	Link frames
[D]	joinby	Form all pairwise combinations within groups
[D]	merge	Merge datasets
[MI]	mi merge	Merge mi data

Certifying data

[D]	assert	Verify truth of claim
[D]	assertnested	Verify variables nested
[D]	checksum	Calculate checksum of file
[P]	_datasignature	Determine whether data have changed
[D]	datasignature	Determine whether data have changed
[D]	notes	Place notes in data
[P]	signestimationsample	Determine whether the estimation sample has changed

Reshaping datasets

[D]	collapse	Make dataset of summary statistics
[D]	contract	Make dataset of frequencies and percentages
[D]	expand	Duplicate observations
[D]	expandcl	Duplicate clustered observations
[D]	fillin	Rectangularize dataset
[D]	obs	Increase the number of observations in a dataset
[D]	reshape	Convert data from wide to long form and vice versa
[MI]	mi reshape	Reshape mi data
[TS]	rolling	Rolling-window and recursive estimation
[D]	separate	Create separate variables
[SEM]	ssd	Making summary statistics data (sem only)
[D]	stack	Stack data
[D]	statsby	Collect statistics for a command across a by list
[D]	xpose	Interchange observations and variables

Labeling, display formats, and notes

[GS]	Chapter 7 (GSM, GSU, GSW)	Using the Variables Manager
[U]	Section 12.5	Formats: Controlling how data are displayed
[U]	Section 12.6	Dataset, variable, and value labels
[D]	format	Set variables' output format
[D]	label	Manipulate labels
[D]	label language	Labels for variables and values in multiple languages
[D]	labelbook	Label utilities
[D]	notes	Place notes in data
[D]	varmanage	Manage variable labels, formats, and other properties

Changing and renaming variables

[GS]	Chapter 7 (GSM , GSU , GSW)	Using the Variables Manager
[U]	Chapter 26	Working with categorical data and factor variables
[D]	clonevar	Clone existing variable
[D]	destring	Convert string variables to numeric variables and vice versa
[D]	dyngen	Dynamically generate new values of variables
[D]	encode	Encode string into numeric and vice versa
[D]	generate	Create or change contents of variable
[D]	mvencode	Change missing values to numeric values and vice versa
[D]	order	Reorder variables in dataset
[D]	recode	Recode categorical variables
[D]	rename	Rename variable
[D]	rename group	Rename groups of variables
[D]	split	Split string variables into parts
[D]	varmanage	Manage variable labels, formats, and other properties

Examining data

[GS]	Chapter 6 (GSM , GSU , GSW)	Using the Data Editor
[D]	cf	Compare two datasets
[CM]	csmsummarize	Summarize variables by chosen alternatives
[D]	codebook	Describe data contents
[D]	compare	Compare two variables
[D]	count	Count observations satisfying specified conditions
[D]	describe	Describe data in memory or in file
[D]	ds	Compactly list variables with specified properties
[D]	duplicates	Report, tag, or drop duplicate observations
[D]	edit	Browse or edit data with Data Editor
[D]	gsort	Ascending and descending sort
[D]	inspect	Display simple summary of data's attributes
[D]	isid	Check for unique identifiers
[D]	lookfor	Search for string in variable names and labels
[R]	lv	Letter-value displays
[R]	misstable	Tabulate missing values
[MI]	mi describe	Describe mi data
[MI]	mi misstable	Tabulate pattern of missing values
[D]	pctile	Create variable containing percentiles
[ST]	stdescribe	Describe survival-time data
[R]	summarize	Summary statistics
[SVY]	svy: tabulate oneway	One-way tables for survey data
[SVY]	svy: tabulate twoway	Two-way tables for survey data
[P]	tabdisp	Display tables
[R]	table intro	Introduction to tables of frequencies, summaries, and command results
[R]	table	Table of frequencies, summaries, and command results
[R]	table multiway	Multiway tables
[R]	table oneway	One-way tabulation
[R]	table summary	Table of summary statistics
[R]	table twoway	Two-way tabulation
[R]	tabstat	Compact table of summary statistics
[R]	tabulate oneway	One-way table of frequencies
[R]	tabulate twoway	Two-way table of frequencies
[R]	tabulate, summarize()	One- and two-way tables of summary statistics

[XT] [xtdescribe](#) Describe pattern of xt data

File manipulation

[D] [cd](#) Change directory
 [D] [cf](#) Compare two datasets
 [D] [changeeol](#) Convert end-of-line characters of text file
 [D] [checksum](#) Calculate checksum of file
 [D] [copy](#) Copy file from disk or URL
 [D] [dir](#) Display filenames
 [D] [erase](#) Erase a disk file
 [D] [filefilter](#) Convert ASCII or binary patterns in a file
 [D] [mkdir](#) Create directory
 [D] [rmdir](#) Remove directory
 [D] [type](#) Display contents of a file
 [D] [unicode convertfile](#) Low-level file conversion between encodings
 [D] [unicode translate](#) Translate files to Unicode
 [D] [zipfile](#) Compress and uncompress files and directories in zip archive format

Miscellaneous data commands

[D] [corr2data](#) Create dataset with specified correlation structure
 [D] [drawnorm](#) Draw sample from multivariate normal distribution
 [R] [dydx](#) Calculate numeric derivatives and integrals
 [D] [frame change](#) Change identity of current (working) frame
 [D] [frame create](#) Create a new frame
 [D] [frame prefix](#) The frame prefix command
 [D] [frame pwf](#) Display name of current (working) frame
 [D] [frame rename](#) Rename existing frame
 [D] [frames dir](#) Display names of all frames in memory
 [D] [icd](#) Introduction to ICD commands
 [D] [icd10](#) ICD-10 diagnosis codes
 [D] [icd10cm](#) ICD-10-CM diagnosis codes
 [D] [icd10pcs](#) ICD-10-PCS procedure codes
 [D] [icd9](#) ICD-9-CM diagnosis codes
 [D] [icd9p](#) ICD-9-CM procedure codes
 [D] [ipolate](#) Linearly interpolate (extrapolate) values
 [D] [range](#) Generate numerical range
 [D] [sample](#) Draw random sample
 [D] [splitsample](#) Split data into random samples

Multiple datasets in memory

[D] [frame change](#) Change identity of current (working) frame
 [D] [frame copy](#) Make a copy of a frame
 [D] [frame create](#) Create a new frame
 [D] [frame drop](#) Drop frames from memory
 [D] [frame prefix](#) The frame prefix command
 [D] [frame put](#) Copy selected variables or observations to a new frame
 [D] [frame pwf](#) Display name of current (working) frame
 [D] [frame rename](#) Rename existing frame
 [D] [frames](#) Data frames
 [D] [frames dir](#) Display names of all frames in memory
 [D] [frames intro](#) Introduction to frames

[D]	frames reset	Drop all frames from memory
[D]	frget	Copy variables from linked frame
[D]	frlink	Link frames

Multiple imputation

[MI]	mi add	Add imputations from another mi dataset
[MI]	mi append	Append mi data
[MI]	mi convert	Change style of mi data
[MI]	mi copy	Copy mi flongsep data
[MI]	mi describe	Describe mi data
[MI]	mi erase	Erase mi datasets
[MI]	mi expand	Expand mi data
[MI]	mi export	Export mi data
[MI]	mi export ice	Export mi data to ice format
[MI]	mi export nhanes1	Export mi data to NHANES format
[MI]	mi extract	Extract original or imputed data from mi data
[MI]	mi import	Import data into mi
[MI]	mi import flong	Import flong-like data into mi
[MI]	mi import flongsep	Import flongsep-like data into mi
[MI]	mi import ice	Import ice-format data into mi
[MI]	mi import nhanes1	Import NHANES-format data into mi
[MI]	mi import wide	Import wide-like data into mi
[MI]	mi merge	Merge mi data
[MI]	mi misstable	Tabulate pattern of missing values
[MI]	mi passive	Generate/replace and register passive variables
[MI]	mi ptrace	Load parameter-trace file into Stata
[MI]	mi rename	Rename variable
[MI]	mi replace0	Replace original data
[MI]	mi reset	Reset imputed or passive variables
[MI]	mi reshape	Reshape mi data
[MI]	mi set	Declare multiple-imputation data
[MI]	mi stsplitt	Split and join time-span records for mi data
[MI]	mi update	Ensure that mi data are consistent
[MI]	mi varying	Identify variables that vary across imputations
[MI]	mi xeq	Execute command(s) on individual imputations
[MI]	mi XXXset	Declare mi data to be svy, st, ts, xt, etc.
[MI]	noupdate option	The noupdate option
[MI]	Styles	Dataset styles
[MI]	Workflow	Suggested workflow

Utilities

Basic utilities

[GS]	Chapter 13 (GSM, GSU, GSW)	Using the Do-file Editor—automating Stata
[U]	Chapter 4	Stata's help and search facilities
[U]	Chapter 15	Saving and printing output—log files
[U]	Chapter 16	Do-files
[R]	about	Display information about your Stata
[D]	by	Repeat Stata command on subsets of the data
[R]	cls	Clear Results window

[R]	copyright	Display copyright information
[R]	do	Execute commands from a file
[R]	doedit	Edit do-files and other text files
[R]	exit	Exit Stata
[R]	help	Display help in Stata
[R]	level	Set default confidence level
[R]	log	Echo copy of session to file
[D]	obs	Increase the number of observations in a dataset
[R]	postest	Postestimation Selector
[R]	#review	Review previous commands
[R]	search	Search Stata documentation and other resources
[BAYES]	set cleavel	Set default credible level
[R]	translate	Print and translate logs
[D]	unicode translate	Translate files to Unicode
[R]	view	View files and logs
[D]	zipfile	Compress and uncompress files and directories in zip archive format

Error messages

[U]	Chapter 8	Error messages and return codes
[P]	error	Display generic error message and exit
[R]	Error messages	Error messages and return codes
[P]	rmmsg	Return messages

Stored results

[U]	Section 13.5	Accessing coefficients and standard errors
[U]	Section 18.8	Accessing results calculated by other programs
[U]	Section 18.9	Accessing results calculated by estimation commands
[U]	Section 18.10	Storing results
[P]	creturn	Return c-class values
[P]	ereturn	Post the estimation results
[R]	estimates	Save and manipulate estimation results
[R]	estimates describe	Describe estimation results
[R]	estimates for	Repeat postestimation command across models
[R]	estimates notes	Add notes to estimation results
[R]	estimates replay	Redisplay estimation results
[R]	estimates save	Save and use estimation results
[R]	estimates selected	Show selected coefficients
[R]	estimates stats	Model-selection statistics
[R]	estimates store	Store and restore estimation results
[R]	estimates table	Compare estimation results
[R]	estimates title	Set title for estimation results
[P]	_return	Preserve stored results
[P]	return	Return stored results
[R]	Stored results	Stored results

Internet

[U]	Chapter 29	Using the Internet to keep up to date
[R]	ado update	Update community-contributed packages
[D]	checksum	Calculate checksum of file
[D]	copy	Copy file from disk or URL
[R]	net	Install and manage community-contributed additions from the Internet

[R]	net search	Search the Internet for installable packages
[R]	netio	Control Internet connections
[R]	sj	Stata Journal and STB installation instructions
[R]	ssc	Install and uninstall packages from SSC
[R]	update	Check for official updates
[D]	use	Load Stata dataset

Data types and memory

[U]	Chapter 6	Managing memory
[U]	Section 12.2.2	Numeric storage types
[U]	Section 12.4	Strings
[U]	Section 12.4.2	Handling Unicode strings
[U]	Section 13.12	Precision and problems therein
[U]	Chapter 24	Working with strings
[D]	compress	Compress data in memory
[D]	Data types	Quick reference for data types
[D]	memory	Memory management
[D]	Missing values	Quick reference for missing values
[D]	recast	Change storage type of variable

Advanced utilities

[D]	assert	Verify truth of claim
[D]	assertnested	Verify variables nested
[D]	cd	Change directory
[D]	changeool	Convert end-of-line characters of text file
[D]	checksum	Calculate checksum of file
[D]	copy	Copy file from disk or URL
[P]	_datasignature	Determine whether data have changed
[D]	datasignature	Determine whether data have changed
[R]	db	Launch dialog
[P]	Dialog programming	Dialog programming
[D]	dir	Display filenames
[P]	discard	Drop automatically loaded programs
[D]	erase	Erase a disk file
[P]	file	Read and write text and binary files
[D]	filefilter	Convert ASCII or binary patterns in a file
[D]	hexdump	Display hexadecimal report on file
[D]	mkdir	Create directory
[R]	more	The —more— message
[R]	query	Display system parameters
[P]	quietly	Quietly and noisily perform Stata command
[D]	rmdir	Remove directory
[R]	set	Overview of system parameters
[R]	set cformat	Format settings for coefficient tables
[R]	set_defaults	Reset system parameters to original Stata defaults
[R]	set emptycells	Set what to do with empty cells in interactions
[R]	set iter	Control iteration settings
[P]	set locale_functions	Specify default locale for functions
[P]	set locale-ui	Specify a localization package for the user interface
[R]	set rng	Set which random-number generator (RNG) to use
[R]	set rngstream	Specify the stream for the stream random-number generator

[R]	set seed	Specify random-number seed and state
[R]	set showbaselevels	Display settings for coefficient tables
[P]	set sortmethod	Specify a sort method
[P]	set sortrngstate	Set the state of sort's randomizer
[D]	shell	Temporarily invoke operating system
[P]	signestimationsample	Determine whether the estimation sample has changed
[P]	smcl	Stata Markup and Control Language
[P]	sysdir	Query and set system directories
[D]	type	Display contents of a file
[D]	unicode collator	Language-specific Unicode collators
[D]	unicode convertfile	Low-level file conversion between encodings
[D]	unicode encoding	Unicode encoding utilities
[D]	unicode locale	Unicode locale utilities
[D]	vl	Manage variable lists
[D]	vl create	Create and modify user-defined variable lists
[D]	vl drop	Drop variable lists or variables from variable lists
[D]	vl list	List contents of variable lists
[D]	vl rebuild	Rebuild variable lists
[D]	vl set	Set system-defined variable lists
[R]	which	Display location of an ado-file

Graphics

Common graphs

[G-1]	Graph intro	Introduction to graphics
[G-2]	graph	The graph command
[G-2]	graph bar	Bar charts
[G-2]	graph box	Box plots
[G-2]	graph close	Close Graph windows
[G-2]	graph combine	Combine multiple graphs
[G-2]	graph copy	Copy graph in memory
[G-2]	graph describe	Describe contents of graph in memory or on disk
[G-2]	graph dir	List names of graphs in memory and on disk
[G-2]	graph display	Display graph stored in memory
[G-2]	graph dot	Dot charts (summary statistics)
[G-2]	graph drop	Drop graphs from memory
[G-2]	graph export	Export current graph
[G-2]	graph manipulation	Graph manipulation commands
[G-2]	graph matrix	Matrix graphs
[G-2]	graph other	Other graphics commands
[G-2]	graph pie	Pie charts
[G-2]	graph play	Apply edits from a recording on current graph
[G-2]	graph print	Print a graph
[G-2]	graph query	List available schemes and styles
[G-2]	graph rename	Rename graph in memory
[G-2]	graph replay	Replay multiple graphs
[G-2]	graph save	Save graph to disk
[G-2]	graph set	Set graphics options
[G-2]	graph twoway	Twoway graphs
[G-2]	graph twoway area	Twoway line plot with area shading

[G-2]	graph twoway bar	Twoway bar plots
[G-2]	graph twoway connected	Twoway connected plots
[G-2]	graph twoway contour	Twoway contour plot with area shading
[G-2]	graph twoway contourline	Twoway contour-line plot
[G-2]	graph twoway dot	Twoway dot plots
[G-2]	graph twoway dropline	Twoway dropped-line plots
[G-2]	graph twoway ffit	Twoway fractional-polynomial prediction plots
[G-2]	graph twoway ffitci	Twoway fractional-polynomial prediction plots with CIs
[G-2]	graph twoway function	Twoway line plot of function
[G-2]	graph twoway histogram	Histogram plots
[G-2]	graph twoway kdensity	Kernel density plots
[G-2]	graph twoway lfit	Twoway linear prediction plots
[G-2]	graph twoway lfitci	Twoway linear prediction plots with CIs
[G-2]	graph twoway line	Twoway line plots
[G-2]	graph twoway lowess	Local linear smooth plots
[G-2]	graph twoway lpoly	Local polynomial smooth plots
[G-2]	graph twoway lpolyci	Local polynomial smooth plots with CIs
[G-2]	graph twoway mband	Twoway median-band plots
[G-2]	graph twoway mspline	Twoway median-spline plots
[G-2]	graph twoway pcarrow	Paired-coordinate plot with arrows
[G-2]	graph twoway pcarrowi	Twoway pcarrow with immediate arguments
[G-2]	graph twoway pccapsym	Paired-coordinate plot with spikes and marker symbols
[G-2]	graph twoway pci	Twoway paired-coordinate plot with immediate arguments
[G-2]	graph twoway pcscatter	Paired-coordinate plot with markers
[G-2]	graph twoway pcspike	Paired-coordinate plot with spikes
[G-2]	graph twoway qfit	Twoway quadratic prediction plots
[G-2]	graph twoway qfitci	Twoway quadratic prediction plots with CIs
[G-2]	graph twoway rarea	Range plot with area shading
[G-2]	graph twoway rbar	Range plot with bars
[G-2]	graph twoway rcap	Range plot with capped spikes
[G-2]	graph twoway rcapsym	Range plot with spikes capped with marker symbols
[G-2]	graph twoway rconnected	Range plot with connected lines
[G-2]	graph twoway rline	Range plot with lines
[G-2]	graph twoway rscatter	Range plot with markers
[G-2]	graph twoway rspike	Range plot with spikes
[G-2]	graph twoway scatter	Twoway scatterplots
[G-2]	graph twoway scatteri	Scatter with immediate arguments
[G-2]	graph twoway spike	Twoway spike plots
[G-2]	graph twoway tsline	Twoway line plots
[G-2]	graph use	Display graph stored on disk
[R]	histogram	Histograms for continuous and categorical variables
[R]	marginsplot	Graph results from margins (profile plots, etc.)
[G-2]	palette	Display palettes of available selections

Distributional graphs

[R]	cumul	Cumulative distribution
[R]	Diagnostic plots	Distributional diagnostic plots
[R]	dotplot	Comparative distribution dotplots
[R]	histogram	Histograms for continuous and categorical variables
[R]	ladder	Ladder of powers
[R]	spikeplot	Spike plots and rootograms

[R]	sunflower	Density-distribution sunflower plots
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Item response theory graphs

[MV]	biplot	Biplots
[IRT]	irtgraph icc	Item characteristic curve plot
[IRT]	irtgraph iif	Item information function plot
[IRT]	irtgraph tcc	Test characteristic curve plot
[IRT]	irtgraph tif	Test information function plot

Lasso graphs

[LASSO]	bicplot	Plot Bayesian information criterion function after lasso
[LASSO]	coefpath	Plot path of coefficients after lasso
[LASSO]	cvplot	Plot cross-validation function after lasso

Meta-analysis graphs

[META]	estat bubbleplot	Bubble plots after meta regress
[META]	meta forestplot	Forest plots
[META]	meta funnelplot	Funnel plots
[META]	meta galbraithplot	Galbraith plots
[META]	meta labbeplot	L'Abbé plots

Multivariate graphs

[MV]	biplot	Biplots
[MV]	ca postestimation	Postestimation tools for ca and camat
[MV]	ca postestimation plots	Postestimation plots for ca and camat
[MV]	cluster dendrogram	Dendrograms for hierarchical cluster analysis
[MV]	mca postestimation	Postestimation tools for mca
[MV]	mca postestimation plots	Postestimation plots for mca
[MV]	mds postestimation	Postestimation tools for mds, mdsmat, and mdslong
[MV]	mds postestimation plots	Postestimation plots for mds, mdsmat, and mdslong
[MV]	procrustes postestimation	Postestimation tools for procrustes
[MV]	scoreplot	Score and loading plots
[MV]	screeplot	Scree plot of eigenvalues

Quality control

[R]	QC	Quality control charts
[R]	cusum	Cusum plots and tests for binary variables
[R]	serrbar	Graph standard error bar chart

Regression diagnostic plots

[R]	regress postestimation diagnostic plots	Postestimation plots for regress
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ROC analysis

[R]	estat classification	Classification statistics and table
[R]	estat gof	Pearson or Hosmer–Lemeshow goodness-of-fit test
[R]	logistic postestimation	Postestimation tools for logistic
[R]	lroc	Compute area under ROC curve and graph the curve
[R]	lsens	Graph sensitivity and specificity versus probability cutoff
[R]	roccomp	Tests of equality of ROC areas
[R]	rocfit postestimation	Postestimation tools for rocfit

[R]	rocregplot	Plot marginal and covariate-specific ROC curves after <code>rocreg</code>
[R]	roctab	Nonparametric ROC analysis

Smoothing and densities

[R]	kdensity	Univariate kernel density estimation
[R]	lowess	Lowess smoothing
[R]	lpoly	Kernel-weighted local polynomial smoothing

Survival-analysis graphs

[ST]	ltable	Life tables for survival data
[ST]	stci	Confidence intervals for means and percentiles of survival time
[ST]	stcox PH-assumption tests	Tests of proportional-hazards assumption after <code>stcox</code>
[ST]	stcurve	Plot the survivor or related function after <code>streg</code> , <code>stcox</code> , and others
[ST]	stintcox PH-assumption plots	Plots of proportional-hazards assumption after <code>stintcox</code>
[ST]	strate	Tabulate failure rates and rate ratios
[ST]	sts graph	Graph the survivor or related function

Time-series graphs

[BAYES]	bayesirf graph	Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[TS]	corrgram	Tabulate and graph autocorrelations
[TS]	cumsp	Graph cumulative spectral distribution
[TS]	estat acplot	Plot parametric autocorrelation and autocovariance functions
[TS]	estat aroots	Check the stability condition of ARIMA estimates
[TS]	estat sbcsum	Cumulative sum test for parameter stability
[TS]	fcast graph	Graph forecasts after <code>fcast</code> compute
[TS]	irf cgraph	Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf graph	Graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf ograph	Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	pergram	Periodogram
[TS]	tsline	Time-series line plots
[TS]	varstable	Check the stability condition of VAR or SVAR estimates
[TS]	vecstable	Check the stability condition of VECM estimates
[TS]	wntestb	Bartlett's periodogram-based test for white noise
[TS]	xcorr	Cross-correlogram for bivariate time series

More statistical graphs

[BAYES]	bayesgraph	Graphical summaries and convergence diagnostics
[PSS-3]	ciwidth, graph	Graph results from the <code>ciwidth</code> command
[R]	Epitab	Tables for epidemiologists
[R]	fp postestimation	Postestimation tools for <code>fp</code>
[R]	grmeanby	Graph means and medians by categorical variables
[R]	pkexamine	Calculate pharmacokinetic measures
[R]	pksumm	Summarize pharmacokinetic data
[PSS-2]	power, graph	Graph results from the <code>power</code> command
[R]	stem	Stem-and-leaf displays
[TE]	tebalance box	Covariate balance box
[TE]	teoverlap	Overlap plots
[XT]	xtline	Panel-data line plots

Editing

[G-1]	Graph Editor	Graph Editor
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Graph utilities

[G-2]	set graphics	Set whether graphs are displayed
[G-2]	set printcolor	Set how colors are treated when graphs are printed
[G-2]	set scheme	Set default scheme

Graph schemes

[G-4]	Schemes intro	Introduction to schemes
[G-4]	Scheme economist	Scheme description: economist
[G-4]	Scheme s1	Scheme description: s1 family
[G-4]	Scheme s2	Scheme description: s2 family
[G-4]	Scheme sj	Scheme description: sj

Graph concepts

[G-4]	Concept: gph files	Using gph files
[G-4]	Concept: lines	Using lines
[G-4]	Concept: repeated options	Interpretation of repeated options
[G-4]	text	Text in graphs

Statistics**ANOVA and related**

[U]	Chapter 27	Overview of Stata estimation commands
[R]	anova	Analysis of variance and covariance
[R]	contrast	Contrasts and linear hypothesis tests after estimation
[R]	icc	Intraclass correlation coefficients
[R]	loneaway	Large one-way ANOVA, random effects, and reliability
[MV]	manova	Multivariate analysis of variance and covariance
[ME]	meglm	Multilevel mixed-effects generalized linear model
[ME]	mixed	Multilevel mixed-effects linear regression
[R]	oneway	One-way analysis of variance
[R]	pkcross	Analyze crossover experiments
[R]	pkshape	Reshape (pharmacokinetic) Latin-square data
[R]	pwcompare	Pairwise comparisons
[R]	regress	Linear regression
[XT]	xtreg	Fixed-, between-, and random-effects and population-averaged linear models

Basic statistics

[R]	anova	Analysis of variance and covariance
[R]	bitest	Binomial probability test
[R]	ci	Confidence intervals for means, proportions, and variances
[R]	correlate	Correlations of variables
[D]	egen	Extensions to generate
[R]	esize	Effect size based on mean comparison
[R]	icc	Intraclass correlation coefficients
[R]	mean	Estimate means
[R]	misstable	Tabulate missing values

[MV]	mvtest	Multivariate tests
[R]	oneway	One-way analysis of variance
[R]	proportion	Estimate proportions
[R]	prtest	Tests of proportions
[R]	pwmean	Pairwise comparisons of means
[R]	ranksum	Equality tests on unmatched data
[R]	ratio	Estimate ratios
[R]	regress	Linear regression
[R]	sdtest	Variance-comparison tests
[R]	signrank	Equality tests on matched data
[D]	statsby	Collect statistics for a command across a by list
[R]	summarize	Summary statistics
[R]	table intro	Introduction to tables of frequencies, summaries, and command results
[R]	table	Table of frequencies, summaries, and command results
[R]	table hypothesis tests	Table of hypothesis tests
[R]	table multiway	Multiway tables
[R]	table oneway	One-way tabulation
[R]	table summary	Table of summary statistics
[R]	table twoway	Two-way tabulation
[R]	tabstat	Compact table of summary statistics
[R]	tabulate oneway	One-way table of frequencies
[R]	tabulate twoway	Two-way table of frequencies
[R]	tabulate, summarize()	One- and two-way tables of summary statistics
[R]	total	Estimate totals
[R]	ttest	t tests (mean-comparison tests)
[R]	ztest	z tests (mean-comparison tests, known variance)

Bayesian analysis

[U]	Section 27.33	Bayesian analysis
[BAYES]	Intro	Introduction to Bayesian analysis
[BAYES]	Bayesian commands	Introduction to commands for Bayesian analysis
[BAYES]	Bayesian estimation	Bayesian estimation commands
[BAYES]	Bayesian postestimation	Postestimation tools for bayesmh and the bayes prefix
[BAYES]	bayes	Bayesian regression models using the bayes prefix
[BAYES]	bayes: betareg	Bayesian beta regression
[BAYES]	bayes: binreg	Bayesian generalized linear models: Extensions to the binomial family
[BAYES]	bayes: bprobit	Bayesian bivariate probit regression
[BAYES]	bayes: clogit	Bayesian conditional logistic regression
[BAYES]	bayes: cloglog	Bayesian complementary log–log regression
[BAYES]	bayes: dsge	Bayesian linear dynamic stochastic general equilibrium models
[BAYES]	bayes: dsge postestimation	Postestimation tools for bayes: dsge and bayes: dsge
[BAYES]	bayes: dsge nl	Bayesian nonlinear dynamic stochastic general equilibrium models
[BAYES]	bayes: fracreg	Bayesian fractional response regression
[BAYES]	bayes: glm	Bayesian generalized linear models
[BAYES]	bayes: gnbreg	Bayesian generalized negative binomial regression
[BAYES]	bayes: heckman	Bayesian Heckman selection model
[BAYES]	bayes: heckoprobit	Bayesian ordered probit model with sample selection
[BAYES]	bayes: heckprobit	Bayesian probit model with sample selection
[BAYES]	bayes: hetoprobit	Bayesian heteroskedastic ordered probit regression
[BAYES]	bayes: hetprobit	Bayesian heteroskedastic probit regression
[BAYES]	bayes: hetregress	Bayesian heteroskedastic linear regression

[BAYES]	bayes: intreg	Bayesian interval regression
[BAYES]	bayes: logistic	Bayesian logistic regression, reporting odds ratios
[BAYES]	bayes: logit	Bayesian logistic regression, reporting coefficients
[BAYES]	bayes: mecloglog	Bayesian multilevel complementary log–log regression
[BAYES]	bayes: meglm	Bayesian multilevel generalized linear model
[BAYES]	bayes: meintreg	Bayesian multilevel interval regression
[BAYES]	bayes: melogit	Bayesian multilevel logistic regression
[BAYES]	bayes: menbreg	Bayesian multilevel negative binomial regression
[BAYES]	bayes: meologit	Bayesian multilevel ordered logistic regression
[BAYES]	bayes: meoprobit	Bayesian multilevel ordered probit regression
[BAYES]	bayes: mepoisson	Bayesian multilevel Poisson regression
[BAYES]	bayes: meprobit	Bayesian multilevel probit regression
[BAYES]	bayes: mestreg	Bayesian multilevel parametric survival models
[BAYES]	bayes: metobit	Bayesian multilevel tobit regression
[BAYES]	bayes: mixed	Bayesian multilevel linear regression
[BAYES]	bayes: mlogit	Bayesian multinomial logistic regression
[BAYES]	bayes: mprobit	Bayesian multinomial probit regression
[BAYES]	bayes: mvreg	Bayesian multivariate regression
[BAYES]	bayes: nbreg	Bayesian negative binomial regression
[BAYES]	bayes: ologit	Bayesian ordered logistic regression
[BAYES]	bayes: oprobit	Bayesian ordered probit regression
[BAYES]	bayes: poisson	Bayesian Poisson regression
[BAYES]	bayes: probit	Bayesian probit regression
[BAYES]	bayes: regress	Bayesian linear regression
[BAYES]	bayes: streg	Bayesian parametric survival models
[BAYES]	bayes: tnbreg	Bayesian truncated negative binomial regression
[BAYES]	bayes: tobit	Bayesian tobit regression
[BAYES]	bayes: tpoisson	Bayesian truncated Poisson regression
[BAYES]	bayes: truncreg	Bayesian truncated regression
[BAYES]	bayes: var	Bayesian vector autoregressive models
[BAYES]	bayes: var postestimation	Postestimation tools for bayes: var
[BAYES]	bayes: xtlogit	Bayesian random-effects logit model
[BAYES]	bayes: xtmlogit	Bayesian random-effects multinomial logit model
[BAYES]	bayes: xtnbreg	Bayesian random-effects negative binomial model
[BAYES]	bayes: xtologit	Bayesian random-effects ordered logistic model
[BAYES]	bayes: xtoprobit	Bayesian random-effects ordered probit model
[BAYES]	bayes: xtpoisson	Bayesian random-effects Poisson model
[BAYES]	bayes: xtprobit	Bayesian random-effects probit model
[BAYES]	bayes: xtreg	Bayesian random-effects linear model
[BAYES]	bayes: zinb	Bayesian zero-inflated negative binomial regression
[BAYES]	bayes: ziologit	Bayesian zero-inflated ordered logit regression
[BAYES]	bayes: zioprobit	Bayesian zero-inflated ordered probit regression
[BAYES]	bayes: zip	Bayesian zero-inflated Poisson regression
[BAYES]	bayesfcst	Bayesian dynamic forecasts
[BAYES]	bayesfcst compute	Compute Bayesian dynamic forecasts
[BAYES]	bayesfcst graph	Graphs of Bayesian dynamic forecasts
[BAYES]	bayesgraph	Graphical summaries and convergence diagnostics
[BAYES]	bayesirf	Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	bayesirf cgraph	Combined graphs of Bayesian IRF results
[BAYES]	bayesirf create	Obtain Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	bayesirf ctable	Combined tables of Bayesian IRF results

[BAYES]	bayesirf ograph	Overlaid graphs of Bayesian IRF results
[BAYES]	bayesirf table	Tables of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	bayesmh	Bayesian models using Metropolis–Hastings algorithm
[BAYES]	bayesmh evaluators	User-defined evaluators with bayesmh
[BAYES]	bayespredict	Bayesian predictions
[BAYES]	bayesstats	Bayesian statistics after Bayesian estimation
[BAYES]	bayesstats ess	Effective sample sizes and related statistics
[BAYES]	bayesstats grubin	Gelman–Rubin convergence diagnostics
[BAYES]	bayesstats ic	Bayesian information criteria and Bayes factors
[BAYES]	bayesstats ppvalues	Bayesian predictive p-values and other predictive summaries
[BAYES]	bayesstats summary	Bayesian summary statistics
[BAYES]	bayestest	Bayesian hypothesis testing
[BAYES]	bayestest interval	Interval hypothesis testing
[BAYES]	bayestest model	Hypothesis testing using model posterior probabilities
[BAYES]	bayesvarstable	Check the stability condition of Bayesian VAR estimates

Binary outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.4	Binary outcomes
[BAYES]	Bayesian estimation	Bayesian estimation commands
[R]	binreg	Generalized linear models: Extensions to the binomial family
[R]	biprobit	Bivariate probit regression
[R]	cloglog	Complementary log–log regression
[LASSO]	dslogit	Double-selection lasso logistic regression
[ERM]	eprobit	Extended probit regression
[TE]	eteffects	Endogenous treatment-effects estimation
[R]	exlogistic	Exact logistic regression
[FMM]	fmm estimation	Fitting finite mixture models
[R]	glm	Generalized linear models
[R]	heckprobit	Probit model with sample selection
[R]	hetprobit	Heteroskedastic probit model
[IRT]	irt 1pl	One-parameter logistic model
[IRT]	irt 2pl	Two-parameter logistic model
[IRT]	irt 3pl	Three-parameter logistic model
[IRT]	irt hybrid	Hybrid IRT models
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	logistic	Logistic regression, reporting odds ratios
[R]	logit	Logistic regression, reporting coefficients
[ME]	mecloglog	Multilevel mixed-effects complementary log–log regression
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	meprobit	Multilevel mixed-effects probit regression
[LASSO]	pologit	Partialing-out lasso logistic regression
[R]	probit	Probit regression
[R]	rocfits	Parametric ROC models
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	scobit	Skewed logistic regression
[TE]	teffects aipw	Augmented inverse-probability weighting
[TE]	teffects ipw	Inverse-probability weighting
[TE]	teffects ipwra	Inverse-probability-weighted regression adjustment
[TE]	teffects nnmatch	Nearest-neighbor matching
[TE]	teffects psmatch	Propensity-score matching

[TE]	teffects ra	Regression adjustment
[TE]	telasso	Treatment-effects estimation using lasso
[LASSO]	xpologit	Cross-fit partialing-out lasso logistic regression
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[XT]	xtprobit	Extended random-effects probit regression
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtprobit	Random-effects and population-averaged probit models

Categorical outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.6	Ordinal outcomes
[U]	Section 27.7	Categorical outcomes
[BAYES]	Bayesian estimation	Bayesian estimation commands
[R]	clogit	Conditional (fixed-effects) logistic regression
[CM]	cmclogit	Conditional logit (McFadden's) choice model
[CM]	cmmixlogit	Mixed logit choice model
[CM]	cmmprobit	Multinomial probit choice model
[CM]	cmxtmixlogit	Panel-data mixed logit choice model
[FMM]	fmm estimation	Fitting finite mixture models
[IRT]	irt nrm	Nominal response model
[R]	mlogit	Multinomial (polytomous) logistic regression
[R]	mprobit	Multinomial probit regression
[CM]	nlogit	Nested logit regression
[R]	slogit	Stereotype logistic regression
[XT]	xtmlogit	Fixed-effects and random-effects multinomial logit models

Censored and truncated regression models

[R]	churdle	Cragg hurdle regression
[R]	cpoisson	Censored Poisson regression
[ERM]	eintreg	Extended interval regression
[R]	heckman	Heckman selection model
[R]	heckoprobit	Ordered probit model with sample selection
[R]	heckprobit	Probit model with sample selection
[R]	intreg	Interval regression
[ME]	meintreg	Multilevel mixed-effects interval regression
[ME]	mestreg	Multilevel mixed-effects parametric survival models
[ME]	metobit	Multilevel mixed-effects tobit regression
[ST]	stintcox	Cox proportional hazards model for interval-censored survival-time data
[ST]	stintreg	Parametric models for interval-censored survival-time data
[ST]	streg	Parametric survival models
[TE]	stteffects	Treatment-effects estimation for observational survival-time data
[R]	tnbreg	Truncated negative binomial regression
[R]	tobit	Tobit regression
[R]	tpoisson	Truncated Poisson regression
[R]	truncreg	Truncated regression
[XT]	xteintreg	Extended random-effects interval regression
[XT]	xtheckman	Random-effects regression with sample selection
[XT]	xtintreg	Random-effects interval-data regression models
[XT]	xtstreg	Random-effects parametric survival models
[XT]	xttobit	Random-effects tobit models

Choice models

[U]	Section 27.10	Choice models
[CM]	Intro	Introduction
[CM]	Intro 1	Interpretation of choice models
[CM]	Intro 2	Data layout
[CM]	Intro 3	Descriptive statistics
[CM]	Intro 4	Estimation commands
[CM]	Intro 5	Models for discrete choices
[CM]	Intro 6	Models for rank-ordered alternatives
[CM]	Intro 7	Models for panel data
[CM]	Intro 8	Random utility models, assumptions, and estimation
[CM]	cmchoiceset	Tabulate choice sets
[CM]	cmlogit	Conditional logit (McFadden's) choice model
[CM]	cmmixlogit	Mixed logit choice model
[CM]	cmmprobit	Multinomial probit choice model
[CM]	cmrologit	Rank-ordered logit choice model
[CM]	cmroprobit	Rank-ordered probit choice model
[CM]	cmsample	Display reasons for sample exclusion
[CM]	cmset	Declare data to be choice model data
[CM]	cmsummarize	Summarize variables by chosen alternatives
[CM]	cmtab	Tabulate chosen alternatives
[CM]	cmxtmixlogit	Panel-data mixed logit choice model
[CM]	margins	Adjusted predictions, predictive margins, and marginal effects
[CM]	nlogit	Nested logit regression

Cluster analysis

[U]	Section 27.22	Multivariate analysis
[MV]	Multivariate	Introduction to multivariate commands
[MV]	cluster	Introduction to cluster-analysis commands
[MV]	cluster dendrogram	Dendrograms for hierarchical cluster analysis
[MV]	cluster generate	Generate grouping variables from a cluster analysis
[MV]	cluster kmeans and kmedians	Kmeans and kmedians cluster analysis
[MV]	cluster linkage	Hierarchical cluster analysis
[MV]	cluster notes	Cluster analysis notes
[MV]	cluster programming subroutines	Add cluster-analysis routines
[MV]	cluster programming utilities	Cluster-analysis programming utilities
[MV]	cluster stop	Cluster-analysis stopping rules
[MV]	cluster utility	List, rename, use, and drop cluster analyses
[MV]	clustermat	Introduction to clustermat commands
[MV]	matrix dissimilarity	Compute similarity or dissimilarity measures
[MV]	measure_option	Option for similarity and dissimilarity measures

Correspondence analysis

[MV]	ca	Simple correspondence analysis
[MV]	mca	Multiple and joint correspondence analysis

Count outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.8	Count outcomes
[U]	Section 27.15.3	Discrete outcomes with panel data

[BAYES]	Bayesian estimation	Bayesian estimation commands
[R]	cpoisson	Censored Poisson regression
[LASSO]	dspoisson	Double-selection lasso Poisson regression
[TE]	eteffects	Endogenous treatment-effects estimation
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[R]	expoisson	Exact Poisson regression
[FMM]	fmm estimation	Fitting finite mixture models
[R]	heckpoisson	Poisson regression with sample selection
[ME]	menbreg	Multilevel mixed-effects negative binomial regression
[ME]	mepoisson	Multilevel mixed-effects Poisson regression
[R]	nbreg	Negative binomial regression
[R]	poisson	Poisson regression
[LASSO]	popoisson	Partialing-out lasso Poisson regression
[TE]	teffects aipw	Augmented inverse-probability weighting
[TE]	teffects ipw	Inverse-probability weighting
[TE]	teffects ipwra	Inverse-probability-weighted regression adjustment
[TE]	teffects nnmatch	Nearest-neighbor matching
[TE]	teffects psmatch	Propensity-score matching
[TE]	teffects ra	Regression adjustment
[TE]	telasso	Treatment-effects estimation using lasso
[R]	tnbreg	Truncated negative binomial regression
[R]	tpoisson	Truncated Poisson regression
[LASSO]	xpoboisson	Cross-fit partialing-out lasso Poisson regression
[XT]	xtnbreg	Fixed-effects, random-effects, & population-averaged negative binomial models
[XT]	xtpoisson	Fixed-effects, random-effects, and population-averaged Poisson models
[R]	zinb	Zero-inflated negative binomial regression
[R]	zip	Zero-inflated Poisson regression

Discriminant analysis

[MV]	candisc	Canonical linear discriminant analysis
[MV]	discrim	Discriminant analysis
[MV]	discrim estat	Postestimation tools for discrim
[MV]	discrim knn	kth-nearest-neighbor discriminant analysis
[MV]	discrim lda	Linear discriminant analysis
[MV]	discrim logistic	Logistic discriminant analysis
[MV]	discrim qda	Quadratic discriminant analysis
[MV]	scoreplot	Score and loading plots
[MV]	screeplot	Scree plot of eigenvalues

Do-it-yourself generalized method of moments

[U]	Section 27.23	Generalized method of moments (GMM)
[R]	gmm	Generalized method of moments estimation
[P]	matrix	Introduction to matrix commands

Do-it-yourself maximum likelihood estimation

[P]	matrix	Introduction to matrix commands
[R]	ml	Maximum likelihood estimation
[R]	mlexp	Maximum likelihood estimation of user-specified expressions

Dynamic stochastic general equilibrium models

[U]	Section 27.28	Dynamic stochastic general equilibrium (DSGE) models
[DSGE]	Intro	Introduction
[DSGE]	Intro 1	Introduction to DSGEs
[DSGE]	Intro 2	Learning the syntax
[DSGE]	Intro 3	Classic DSGE examples
[DSGE]	Intro 3a	New Keynesian model
[DSGE]	Intro 3b	New Classical model
[DSGE]	Intro 3c	Financial frictions model
[DSGE]	Intro 3d	Nonlinear New Keynesian model
[DSGE]	Intro 3e	Nonlinear New Classical model
[DSGE]	Intro 3f	Stochastic growth model
[DSGE]	Intro 4	Writing a DSGE in a solvable form
[DSGE]	Intro 4a	Specifying a shock on a control variable
[DSGE]	Intro 4b	Including a lag of a control variable
[DSGE]	Intro 4c	Including a lag of a state variable
[DSGE]	Intro 4d	Including an expectation dated by more than one period ahead
[DSGE]	Intro 4e	Including a second-order lag of a control
[DSGE]	Intro 4f	Including an observed exogenous variable
[DSGE]	Intro 4g	Correlated state variables
[DSGE]	Intro 5	Stability conditions
[DSGE]	Intro 6	Identification
[DSGE]	Intro 7	Convergence problems
[DSGE]	Intro 8	Wald tests vary with nonlinear transforms
[DSGE]	Intro 9	Bayesian estimation
[DSGE]	Intro 9a	Bayesian estimation of a New Keynesian model
[DSGE]	Intro 9b	Bayesian estimation of stochastic growth model
[DSGE]	dsge	Linear dynamic stochastic general equilibrium models
[DSGE]	dsge postestimation	Postestimation tools for dsge
[DSGE]	dsgenl	Nonlinear dynamic stochastic general equilibrium models
[DSGE]	dsgenl postestimation	Postestimation tools for dsgenl
[DSGE]	estat covariance	Display estimated covariances of model variables
[DSGE]	estat policy	Display policy matrix
[DSGE]	estat stable	Check stability of system
[DSGE]	estat steady	Display steady state of nonlinear DSGE model
[DSGE]	estat transition	Display state transition matrix

Endogenous covariates

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 27	Overview of Stata estimation commands
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[TE]	eteffects	Endogenous treatment-effects estimation
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	etregress	Linear regression with endogenous treatment effects
[TS]	forecast	Econometric model forecasting
[R]	gmm	Generalized method of moments estimation
[R]	ivpoisson	Poisson model with continuous endogenous covariates
[R]	ivprobit	Probit model with continuous endogenous covariates

[R]	ivregress	Single-equation instrumental-variables regression
[R]	ivtobit	Tobit model with continuous endogenous covariates
[LASSO]	poivregress	Partialing-out lasso instrumental-variables regression
[R]	reg3	Three-stage estimation for systems of simultaneous equations
[LASSO]	xpoivregress	Cross-fit partialing-out lasso instrumental-variables regression
[XT]	xtabond	Arellano–Bond linear dynamic panel-data estimation
[XT]	xtdpd	Linear dynamic panel-data estimation
[XT]	xtdpdsys	Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT]	xteintreg	Extended random-effects interval regression
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xteprobit	Extended random-effects probit regression
[XT]	xtregress	Extended random-effects linear regression
[XT]	xthtaylor	Hausman–Taylor estimator for error-components models
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models

Epidemiology and related

[R]	binreg	Generalized linear models: Extensions to the binomial family
[R]	brier	Brier score decomposition
[R]	clogit	Conditional (fixed-effects) logistic regression
[R]	dstdize	Direct and indirect standardization
[R]	Epitab	Tables for epidemiologists
[R]	exlogistic	Exact logistic regression
[R]	expoisson	Exact Poisson regression
[R]	glm	Generalized linear models
[D]	icd	Introduction to ICD commands
[D]	icd10	ICD-10 diagnosis codes
[D]	icd10cm	ICD-10-CM diagnosis codes
[D]	icd10pcs	ICD-10-PCS procedure codes
[D]	icd9	ICD-9-CM diagnosis codes
[D]	icd9p	ICD-9-CM procedure codes
[R]	kappa	Interrater agreement
[R]	logistic	Logistic regression, reporting odds ratios
[R]	nbreg	Negative binomial regression
[R]	pk	Pharmacokinetic (biopharmaceutical) data
[R]	pkcollapse	Generate pharmacokinetic measurement dataset
[R]	pkcross	Analyze crossover experiments
[R]	pkequiv	Perform bioequivalence tests
[R]	pkexamine	Calculate pharmacokinetic measures
[R]	pkshape	Reshape (pharmacokinetic) Latin-square data
[R]	pksumm	Summarize pharmacokinetic data
[R]	poisson	Poisson regression
[R]	roc	Receiver operating characteristic (ROC) analysis
[R]	roccomp	Tests of equality of ROC areas
[R]	rocfits	Parametric ROC models
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	roctab	Nonparametric ROC analysis
[R]	symmetry	Symmetry and marginal homogeneity tests
[R]	tabulate twoway	Two-way table of frequencies

Also see *Multilevel mixed-effects models*, *Survival analysis*, *Structural equation modeling*, and *Treatment effects*.

Estimation related

[R]	BIC note	Calculating and interpreting BIC
[R]	constraint	Define and list constraints
[R]	<i>eform_option</i>	Displaying exponentiated coefficients
[R]	Estimation options	Estimation options
[R]	fp	Fractional polynomial regression
[R]	Maximize	Details of iterative maximization
[R]	mfp	Multivariable fractional polynomial models
[R]	mkspline	Linear and restricted cubic spline construction
[R]	stepwise	Stepwise estimation
[R]	<i>vce_option</i>	Variance estimators
[XT]	<i>vce_options</i>	Variance estimators

Exact statistics

[U]	Section 27.8	Count outcomes
[U]	Section 27.11	Exact estimators
[R]	bitest	Binomial probability test
[R]	centile	Report centile and confidence interval
[R]	ci	Confidence intervals for means, proportions, and variances
[R]	dstsize	Direct and indirect standardization
[R]	Epitab	Tables for epidemiologists
[R]	exlogistic	Exact logistic regression
[R]	expoisson	Exact Poisson regression
[R]	ksmirnov	Kolmogorov–Smirnov equality-of-distributions test
[R]	loneway	Large one-way ANOVA, random effects, and reliability
[PSS-2]	power oneproportion	Power analysis for a one-sample proportion test
[R]	ranksum	Equality tests on unmatched data
[R]	roctab	Nonparametric ROC analysis
[R]	symmetry	Symmetry and marginal homogeneity tests
[R]	tabulate twoway	Two-way table of frequencies
[R]	tetrachoric	Tetrachoric correlations for binary variables

Extended regression models

[ERM]	ERM options	Extended regression model options
[ERM]	Intro 1	An introduction to the ERM commands
[ERM]	Intro 2	The models that ERMs fit
[ERM]	Intro 3	Endogenous covariates features
[ERM]	Intro 4	Endogenous sample-selection features
[ERM]	Intro 5	Treatment assignment features
[ERM]	Intro 6	Panel data and grouped data model features
[ERM]	Intro 7	Model interpretation
[ERM]	Intro 8	A Rosetta stone for extended regression commands
[ERM]	Intro 9	Conceptual introduction via worked example
[ERM]	eintreg	Extended interval regression
[ERM]	eintreg postestimation	Postestimation tools for eintreg and xteintreg
[ERM]	eintreg predict	predict after eintreg and xteintreg
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eoprobit postestimation	Postestimation tools for eoprobit and xteoprobit
[ERM]	eoprobit predict	predict after eoprobit and xteoprobit
[ERM]	eprobit	Extended probit regression
[ERM]	eprobit postestimation	Postestimation tools for eprobit and xteprobit

[ERM]	eprobit predict	predict after eprobit and xteprobit
[ERM]	eregress	Extended linear regression
[ERM]	eregress postestimation	Postestimation tools for eregress and xtegress
[ERM]	eregress predict	predict after eregress and xtegress
[ERM]	estat teffects	Average treatment effects for extended regression models
[ERM]	Example 1a	Linear regression with continuous endogenous covariate
[ERM]	Example 1b	Interval regression with continuous endogenous covariate
[ERM]	Example 1c	Interval regression with endogenous covariate and sample selection
[ERM]	Example 2a	Linear regression with binary endogenous covariate
[ERM]	Example 2b	Linear regression with exogenous treatment
[ERM]	Example 2c	Linear regression with endogenous treatment
[ERM]	Example 3a	Probit regression with continuous endogenous covariate
[ERM]	Example 3b	Probit regression with endogenous covariate and treatment
[ERM]	Example 4a	Probit regression with endogenous sample selection
[ERM]	Example 4b	Probit regression with endogenous treatment and sample selection
[ERM]	Example 5	Probit regression with endogenous ordinal treatment
[ERM]	Example 6a	Ordered probit regression with endogenous treatment
[ERM]	Example 6b	Ordered probit regression with endogenous treatment and sample selection
[ERM]	Example 7	Random-effects regression with continuous endogenous covariate
[ERM]	Example 8a	Random effects in one equation and endogenous covariate
[ERM]	Example 8b	Random effects, endogenous covariate, and endogenous sample selection
[ERM]	Example 9	Ordered probit regression with endogenous treatment and random effects
[ERM]	predict advanced	predict's advanced features
[ERM]	predict treatment	predict for treatment statistics
[ERM]	Triangularize	How to triangularize a system of equations
[XT]	xteintreg	Extended random-effects interval regression
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xteprobit	Extended random-effects probit regression
[XT]	xtegress	Extended random-effects linear regression

Factor analysis and principal components

[MV]	alpha	Compute interitem correlations (covariances) and Cronbach's alpha
[MV]	canon	Canonical correlations
[MV]	factor	Factor analysis
[MV]	pca	Principal component analysis
[MV]	rotate	Orthogonal and oblique rotations after factor and pca
[MV]	rotatemat	Orthogonal and oblique rotations of a Stata matrix
[MV]	scoreplot	Score and loading plots
[MV]	screeplot	Scree plot of eigenvalues
[R]	tetrachoric	Tetrachoric correlations for binary variables

Finite mixture models

[U]	Section 27.26	Finite mixture models (FMMs)
[FMM]	estat eform	Display exponentiated coefficients
[FMM]	estat lcmean	Latent class marginal means
[FMM]	estat lprob	Latent class marginal probabilities
[FMM]	Example 1a	Mixture of linear regression models
[FMM]	Example 1b	Covariates for class membership
[FMM]	Example 1c	Testing coefficients across class models
[FMM]	Example 1d	Component-specific covariates
[FMM]	Example 2	Mixture of Poisson regression models

[FMM]	Example 3	Zero-inflated models
[FMM]	Example 4	Mixture cure models for survival data
[FMM]	<code>fmm</code>	Finite mixture models using the <code>fmm</code> prefix
[FMM]	<code>fmm estimation</code>	Fitting finite mixture models
[FMM]	<code>fmm intro</code>	Introduction to finite mixture models
[FMM]	<code>fmm postestimation</code>	Postestimation tools for <code>fmm</code>
[FMM]	<code>fmm: betareg</code>	Finite mixtures of beta regression models
[FMM]	<code>fmm: cloglog</code>	Finite mixtures of complementary log–log regression models
[FMM]	<code>fmm: glm</code>	Finite mixtures of generalized linear regression models
[FMM]	<code>fmm: intreg</code>	Finite mixtures of interval regression models
[FMM]	<code>fmm: ivregress</code>	Finite mixtures of linear regression models with endogenous covariates
[FMM]	<code>fmm: logit</code>	Finite mixtures of logistic regression models
[FMM]	<code>fmm: mlogit</code>	Finite mixtures of multinomial (polytomous) logistic regression models
[FMM]	<code>fmm: nbreg</code>	Finite mixtures of negative binomial regression models
[FMM]	<code>fmm: ologit</code>	Finite mixtures of ordered logistic regression models
[FMM]	<code>fmm: oprobit</code>	Finite mixtures of ordered probit regression models
[FMM]	<code>fmm: pointmass</code>	Finite mixtures models with a density mass at a single point
[FMM]	<code>fmm: poisson</code>	Finite mixtures of Poisson regression models
[FMM]	<code>fmm: probit</code>	Finite mixtures of probit regression models
[FMM]	<code>fmm: regress</code>	Finite mixtures of linear regression models
[FMM]	<code>fmm: streg</code>	Finite mixtures of parametric survival models
[FMM]	<code>fmm: tobit</code>	Finite mixtures of tobit regression models
[FMM]	<code>fmm: tpoisson</code>	Finite mixtures of truncated Poisson regression models
[FMM]	<code>fmm: truncreg</code>	Finite mixtures of truncated linear regression models

Fractional outcomes

[BAYES]	<code>bayes: betareg</code>	Bayesian beta regression
[BAYES]	<code>bayes: fracreg</code>	Bayesian fractional response regression
[R]	<code>betareg</code>	Beta regression
[TE]	<code>eteffects</code>	Endogenous treatment-effects estimation
[FMM]	<code>fmm: betareg</code>	Finite mixtures of beta regression models
[R]	<code>fracreg</code>	Fractional response regression
[TE]	<code>teffects ipw</code>	Inverse-probability weighting
[TE]	<code>teffects nnmatch</code>	Nearest-neighbor matching
[TE]	<code>teffects psmatch</code>	Propensity-score matching

Generalized linear models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.9	Generalized linear models
[BAYES]	<code>bayes: glm</code>	Bayesian generalized linear models
[R]	<code>binreg</code>	Generalized linear models: Extensions to the binomial family
[FMM]	<code>fmm: glm</code>	Finite mixtures of generalized linear regression models
[R]	<code>fracreg</code>	Fractional response regression
[R]	<code>glm</code>	Generalized linear models
[XT]	<code>xtgee</code>	Fit population-averaged panel-data models by using GEE

Indicator and categorical variables

[U]	Section 11.4.3	Factor variables
[U]	Chapter 26	Working with categorical data and factor variables
[R]	<code>fvset</code>	Declare factor-variable settings

Item response theory

[U]	Section 27.27	Item response theory (IRT)
[IRT]	Control Panel	IRT Control Panel
[IRT]	DIF	Introduction to differential item functioning
[IRT]	diflogistic	Logistic regression DIF
[IRT]	difmh	Mantel-Haenszel DIF
[IRT]	estat greport	Report estimated group IRT parameters
[IRT]	estat report	Report estimated IRT parameters
[IRT]	irt 1pl	One-parameter logistic model
[IRT]	irt 2pl	Two-parameter logistic model
[IRT]	irt 3pl	Three-parameter logistic model
[IRT]	irt constraints	Specifying constraints
[IRT]	irt grm	Graded response model
[IRT]	irt hybrid	Hybrid IRT models
[IRT]	irt nrm	Nominal response model
[IRT]	irt pcm	Partial credit model
[IRT]	irt rsm	Rating scale model
[IRT]	irt, group()	IRT models for multiple groups
[IRT]	irtgraph icc	Item characteristic curve plot
[IRT]	irtgraph iif	Item information function plot
[IRT]	irtgraph tcc	Test characteristic curve plot
[IRT]	irtgraph tif	Test information function plot

Lasso

[U]	Section 27.29	Lasso
[LASSO]	Collinear covariates	Treatment of collinear covariates
[LASSO]	Inference examples	Examples and workflow for inference
[LASSO]	Inference requirements	Requirements for inference
[LASSO]	Lasso inference intro	Introduction to inferential lasso models
[LASSO]	Lasso intro	Introduction to lasso
[LASSO]	bicplot	Plot Bayesian information criterion function after lasso
[LASSO]	coefpath	Plot path of coefficients after lasso
[LASSO]	cvplot	Plot cross-validation function after lasso
[LASSO]	dslogit	Double-selection lasso logistic regression
[LASSO]	dspoisson	Double-selection lasso Poisson regression
[LASSO]	dsregress	Double-selection lasso linear regression
[LASSO]	elasticnet	Elastic net for prediction and model selection
[LASSO]	estimates store	Saving and restoring estimates in memory and on disk
[LASSO]	lasso	Lasso for prediction and model selection
[LASSO]	lasso examples	Examples of lasso for prediction
[LASSO]	lasso fitting	The process (in a nutshell) of fitting lasso models
[LASSO]	lasso inference postestimation	Postestimation tools for lasso inferential models
[LASSO]	lasso options	Lasso options for inferential models
[LASSO]	lasso postestimation	Postestimation tools for lasso for prediction
[LASSO]	lassocoef	Display coefficients after lasso estimation results
[LASSO]	lassogof	Goodness of fit after lasso for prediction
[LASSO]	lassoinfo	Display information about lasso estimation results
[LASSO]	lassoknots	Display knot table after lasso estimation
[LASSO]	lassoselect	Select lambda after lasso
[LASSO]	poivregress	Partialing-out lasso instrumental-variables regression
[LASSO]	pologit	Partialing-out lasso logistic regression

[LASSO]	<code>popoisson</code>	Partialing-out lasso Poisson regression
[LASSO]	<code>poregress</code>	Partialing-out lasso linear regression
[LASSO]	<code>sqrtlasso</code>	Square-root lasso for prediction and model selection
[LASSO]	<code>xpovregress</code>	Cross-fit partialing-out lasso instrumental-variables regression
[LASSO]	<code>xpologit</code>	Cross-fit partialing-out lasso logistic regression
[LASSO]	<code>xpopoisson</code>	Cross-fit partialing-out lasso Poisson regression
[LASSO]	<code>xporegress</code>	Cross-fit partialing-out lasso linear regression

Latent class models

[U]	Section 27.25	Latent class models
[SEM]	<code>estat lcmean</code>	Latent class marginal means
[SEM]	<code>estat lcpb</code>	Latent class marginal probabilities
[SEM]	Example 50g	Latent class model
[SEM]	Example 52g	Latent profile model
[SEM]	Example 53g	Finite mixture Poisson regression
[SEM]	Intro 2	Learning the language: Path diagrams and command language
[SEM]	Intro 5	Tour of models

Linear regression and related

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 27	Overview of Stata estimation commands
[R]	<code>areg</code>	Linear regression with a large dummy-variable set
[BAYES]	Bayesian estimation	Bayesian estimation commands
[R]	<code>cnsreg</code>	Constrained linear regression
[R]	<code>constraint</code>	Define and list constraints
[TE]	<code>didregress</code>	Difference-in-differences estimation
[LASSO]	<code>dsregress</code>	Double-selection lasso linear regression
[R]	<code>eivreg</code>	Errors-in-variables regression
[ERM]	<code>eregress</code>	Extended linear regression
[TE]	<code>etpoisson</code>	Poisson regression with endogenous treatment effects
[TE]	<code>etregress</code>	Linear regression with endogenous treatment effects
[FMM]	<code>fmm estimation</code>	Fitting finite mixture models
[R]	<code>fp</code>	Fractional polynomial regression
[R]	<code>frontier</code>	Stochastic frontier models
[R]	<code>glm</code>	Generalized linear models
[R]	<code>heckman</code>	Heckman selection model
[R]	<code>hetregress</code>	Heteroskedastic linear regression
[R]	<code>ivpoisson</code>	Poisson model with continuous endogenous covariates
[R]	<code>ivregress</code>	Single-equation instrumental-variables regression
[R]	<code>ivtobit</code>	Tobit model with continuous endogenous covariates
[R]	<code>lpoly</code>	Kernel-weighted local polynomial smoothing
[ME]	<code>meglm</code>	Multilevel mixed-effects generalized linear model
[META]	<code>meta mvregress</code>	Multivariate meta-regression
[META]	<code>meta regress</code>	Meta-analysis regression
[R]	<code>mfp</code>	Multivariable fractional polynomial models
[ME]	<code>mixed</code>	Multilevel mixed-effects linear regression
[MV]	<code>mvreg</code>	Multivariate regression
[R]	<code>nestreg</code>	Nested model statistics
[TS]	<code>newey</code>	Regression with Newey–West standard errors
[LASSO]	<code>poivregress</code>	Partialing-out lasso instrumental-variables regression
[LASSO]	<code>poregress</code>	Partialing-out lasso linear regression

[TS]	prais	Prais–Winsten and Cochrane–Orcutt regression
[R]	qreg	Quantile regression
[R]	reg3	Three-stage estimation for systems of simultaneous equations
[R]	regress	Linear regression
[R]	rocfits	Parametric ROC models
[R]	reg	Robust regression
[ST]	stcox	Cox proportional hazards model
[ST]	stcrreg	Competing-risks regression
[R]	stepwise	Stepwise estimation
[ST]	stintcox	Cox proportional hazards model for interval-censored survival-time data
[ST]	stintreg	Parametric models for interval-censored survival-time data
[ST]	streg	Parametric survival models
[R]	sureg	Zellner’s seemingly unrelated regression
[R]	tnbreg	Truncated negative binomial regression
[R]	vwl	Variance-weighted least squares
[LASSO]	xpoivregress	Cross-fit partialing-out lasso instrumental-variables regression
[LASSO]	xporegress	Cross-fit partialing-out lasso linear regression
[XT]	xtabond	Arellano–Bond linear dynamic panel-data estimation
[XT]	xtdidregress	Fixed-effects difference-in-differences estimation
[XT]	xtdpd	Linear dynamic panel-data estimation
[XT]	xtdpdsys	Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT]	xteregress	Extended random-effects linear regression
[XT]	xtgee	Fit population-averaged panel-data models by using GEE
[XT]	xtgls	Fit panel-data models by using GLS
[XT]	xtheckman	Random-effects regression with sample selection
[XT]	xthtaylor	Hausman–Taylor estimator for error-components models
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models
[XT]	xtpcse	Linear regression with panel-corrected standard errors
[XT]	xtre	Random-coefficients model
[XT]	xtreg	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	xtregar	Fixed- and random-effects linear models with an AR(1) disturbance
[XT]	xtstreg	Random-effects parametric survival models

Logistic and probit regression

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 27	Overview of Stata estimation commands
[R]	biprobit	Bivariate probit regression
[R]	clogit	Conditional (fixed-effects) logistic regression
[R]	cloglog	Complementary log–log regression
[CM]	cmclogit	Conditional logit (McFadden’s) choice model
[CM]	cmmixlogit	Mixed logit choice model
[CM]	cmmprobit	Multinomial probit choice model
[CM]	cmrologit	Rank-ordered logit choice model
[CM]	cmroprobit	Rank-ordered probit choice model
[CM]	cmxtmixlogit	Panel-data mixed logit choice model
[LASSO]	dslogit	Double-selection lasso logistic regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[R]	exlogistic	Exact logistic regression
[R]	heckoprobit	Ordered probit model with sample selection
[R]	heckprobit	Probit model with sample selection

[R]	hetoprobit	Heteroskedastic ordered probit regression
[R]	hetprobit	Heteroskedastic probit model
[IRT]	irt 1pl	One-parameter logistic model
[IRT]	irt 2pl	Two-parameter logistic model
[IRT]	irt 3pl	Three-parameter logistic model
[IRT]	irt grm	Graded response model
[IRT]	irt hybrid	Hybrid IRT models
[IRT]	irt nrm	Nominal response model
[IRT]	irt pcm	Partial credit model
[IRT]	irt rsm	Rating scale model
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	logistic	Logistic regression, reporting odds ratios
[R]	logit	Logistic regression, reporting coefficients
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[ME]	meprobit	Multilevel mixed-effects probit regression
[R]	mlogit	Multinomial (polytomous) logistic regression
[R]	mprobit	Multinomial probit regression
[CM]	nlogit	Nested logit regression
[R]	ologit	Ordered logistic regression
[R]	oprobit	Ordered probit regression
[LASSO]	pologit	Partialing-out lasso logistic regression
[R]	probit	Probit regression
[R]	scobit	Skewed logistic regression
[R]	slogit	Stereotype logistic regression
[LASSO]	xpologit	Cross-fit partialing-out lasso logistic regression
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xtprobit	Extended random-effects probit regression
[XT]	xtgee	Fit population-averaged panel-data models by using GEE
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtmlogit	Fixed-effects and random-effects multinomial logit models
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[XT]	xtprobit	Random-effects and population-averaged probit models
[R]	ziologit	Zero-inflated ordered logit regression
[R]	zioprobit	Zero-inflated ordered probit regression

Longitudinal data/panel data

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.15	Panel-data models
[TE]	didregress	Difference-in-differences estimation
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[ME]	mepoisson	Multilevel mixed-effects Poisson regression
[ME]	meprobit	Multilevel mixed-effects probit regression

[ME]	mixed	Multilevel mixed-effects linear regression
[XT]	quadchk	Check sensitivity of quadrature approximation
[XT]	xt	Introduction to xt commands
[XT]	xtabond	Arellano–Bond linear dynamic panel-data estimation
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[XT]	xtcointtest	Panel-data cointegration tests
[XT]	xtdata	Faster specification searches with xt data
[XT]	xtdescribe	Describe pattern of xt data
[XT]	xtdidregress	Fixed-effects difference-in-differences estimation
[XT]	xtdpd	Linear dynamic panel-data estimation
[XT]	xtdpdsys	Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT]	xteintreg	Extended random-effects interval regression
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xteprobit	Extended random-effects probit regression
[XT]	xteregress	Extended random-effects linear regression
[XT]	xtfrontier	Stochastic frontier models for panel data
[XT]	xtgee	Fit population-averaged panel-data models by using GEE
[XT]	xtgls	Fit panel-data models by using GLS
[XT]	xtheckman	Random-effects regression with sample selection
[XT]	xthtaylor	Hausman–Taylor estimator for error-components models
[XT]	xtintreg	Random-effects interval-data regression models
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models
[XT]	xtline	Panel-data line plots
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtmlogit	Fixed-effects and random-effects multinomial logit models
[XT]	xtnbreg	Fixed-effects, random-effects, & population-averaged negative binomial models
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[XT]	xtpcse	Linear regression with panel-corrected standard errors
[XT]	xtpoisson	Fixed-effects, random-effects, and population-averaged Poisson models
[XT]	xtprobit	Random-effects and population-averaged probit models
[XT]	xtre	Random-coefficients model
[XT]	xtreg	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	xtregar	Fixed- and random-effects linear models with an AR(1) disturbance
[XT]	xtset	Declare data to be panel data
[XT]	xtstreg	Random-effects parametric survival models
[XT]	xtsum	Summarize xt data
[XT]	xttab	Tabulate xt data
[XT]	xttobit	Random-effects tobit models
[XT]	xtunitroot	Panel-data unit-root tests

Meta-analysis

[U]	Section 27.18	Meta-analysis
[META]	Intro	Introduction to meta-analysis
[META]	estat bubbleplot	Bubble plots after meta regress
[META]	estat heterogeneity	Compute multivariate heterogeneity statistics
[META]	estat recovariance	Display estimated random-effects covariance matrices
[META]	estat sd	Display variance components as standard deviations and correlations
[META]	meta	Introduction to meta
[META]	meta bias	Tests for small-study effects in meta-analysis
[META]	meta data	Declare meta-analysis data

[META]	meta esize	Compute effect sizes and declare meta-analysis data
[META]	meta forestplot	Forest plots
[META]	meta funnelplot	Funnel plots
[META]	meta galbraithplot	Galbraith plots
[META]	meta labbeplot	L'Abbé plots
[META]	meta mvregress	Multivariate meta-regression
[META]	meta regress	Meta-analysis regression
[META]	meta set	Declare meta-analysis data using generic effect sizes
[META]	meta summarize	Summarize meta-analysis data
[META]	meta trimfill	Nonparametric trim-and-fill analysis of publication bias
[META]	meta update	Update, describe, and clear meta-analysis settings

Mixed models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.16	Multilevel mixed-effects models
[R]	anova	Analysis of variance and covariance
[ME]	estat df	Calculate degrees of freedom for fixed effects
[ME]	estat group	Summarize the composition of the nested groups
[ME]	estat icc	Estimate intraclass correlations
[ME]	estat recovariance	Display estimated random-effects covariance matrices
[ME]	estat sd	Display variance components as standard deviations and correlations
[ME]	estat wcorrelation	Display within-cluster correlations and standard deviations
[R]	icc	Intraclass correlation coefficients
[MV]	manova	Multivariate analysis of variance and covariance
[ME]	me	Introduction to multilevel mixed-effects models
[ME]	mecloglog	Multilevel mixed-effects complementary log-log regression
[ME]	meglm	Multilevel mixed-effects generalized linear model
[ME]	meintreg	Multilevel mixed-effects interval regression
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	menbreg	Multilevel mixed-effects negative binomial regression
[ME]	menl	Nonlinear mixed-effects regression
[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[ME]	mepoisson	Multilevel mixed-effects Poisson regression
[ME]	meprobit	Multilevel mixed-effects probit regression
[ME]	mestreg	Multilevel mixed-effects parametric survival models
[ME]	metobit	Multilevel mixed-effects tobit regression
[ME]	mixed	Multilevel mixed-effects linear regression
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[XT]	xtintreg	Random-effects interval-data regression models
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[XT]	xtprobit	Random-effects and population-averaged probit models
[XT]	xtrc	Random-coefficients model
[XT]	xtreg	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	xttobit	Random-effects tobit models

Multidimensional scaling and biplots

[MV]	biplot	Biplots
[MV]	mds	Multidimensional scaling for two-way data

[MV]	<code>mdslong</code>	Multidimensional scaling of proximity data in long format
[MV]	<code>mdsmat</code>	Multidimensional scaling of proximity data in a matrix
[MV]	<code>measure_option</code>	Option for similarity and dissimilarity measures

Multilevel mixed-effects models

[U]	Section 27.16	Multilevel mixed-effects models
[BAYES]	<code>Bayesian estimation</code>	Bayesian estimation commands
[ME]	<code>me</code>	Introduction to multilevel mixed-effects models
[ME]	<code>mecloglog</code>	Multilevel mixed-effects complementary log–log regression
[ME]	<code>meglm</code>	Multilevel mixed-effects generalized linear model
[ME]	<code>meintreg</code>	Multilevel mixed-effects interval regression
[ME]	<code>melogit</code>	Multilevel mixed-effects logistic regression
[ME]	<code>menbreg</code>	Multilevel mixed-effects negative binomial regression
[ME]	<code>menl</code>	Nonlinear mixed-effects regression
[ME]	<code>meologit</code>	Multilevel mixed-effects ordered logistic regression
[ME]	<code>meoprobit</code>	Multilevel mixed-effects ordered probit regression
[ME]	<code>mepoisson</code>	Multilevel mixed-effects Poisson regression
[ME]	<code>meprobit</code>	Multilevel mixed-effects probit regression
[ME]	<code>mestreg</code>	Multilevel mixed-effects parametric survival models
[ME]	<code>metobit</code>	Multilevel mixed-effects tobit regression
[ME]	<code>mixed</code>	Multilevel mixed-effects linear regression

Multiple imputation

[U]	Section 27.31	Multiple imputation
[MI]	<code>Intro</code>	Introduction to mi
[MI]	<code>Intro substantive</code>	Introduction to multiple-imputation analysis
[MI]	<code>Estimation</code>	Estimation commands for use with mi estimate
[MI]	<code>mi estimate</code>	Estimation using multiple imputations
[MI]	<code>mi estimate using</code>	Estimation using previously saved estimation results
[MI]	<code>mi estimate postestimation</code>	Postestimation tools for mi estimate
[MI]	<code>mi impute</code>	Impute missing values
[MI]	<code>mi impute chained</code>	Impute missing values using chained equations
[MI]	<code>mi impute intreg</code>	Impute using interval regression
[MI]	<code>mi impute logit</code>	Impute using logistic regression
[MI]	<code>mi impute mlogit</code>	Impute using multinomial logistic regression
[MI]	<code>mi impute monotone</code>	Impute missing values in monotone data
[MI]	<code>mi impute mvn</code>	Impute using multivariate normal regression
[MI]	<code>mi impute nbreg</code>	Impute using negative binomial regression
[MI]	<code>mi impute ologit</code>	Impute using ordered logistic regression
[MI]	<code>mi impute pmm</code>	Impute using predictive mean matching
[MI]	<code>mi impute poisson</code>	Impute using Poisson regression
[MI]	<code>mi impute regress</code>	Impute using linear regression
[MI]	<code>mi impute truncreg</code>	Impute using truncated regression
[MI]	<code>mi impute usermethod</code>	User-defined imputation methods
[MI]	<code>mi predict</code>	Obtain multiple-imputation predictions
[MI]	<code>mi test</code>	Test hypotheses after mi estimate

Multivariate analysis of variance and related techniques

[U]	Section 27.22	Multivariate analysis
[MV]	<code>canon</code>	Canonical correlations
[MV]	<code>hotelling</code>	Hotelling's T^2 generalized means test

[MV]	manova	Multivariate analysis of variance and covariance
[MV]	mvreg	Multivariate regression
[MV]	mvtest covariances	Multivariate tests of covariances
[MV]	mvtest means	Multivariate tests of means

Nonlinear regression

[R]	boxcox	Box–Cox regression models
[ME]	menl	Nonlinear mixed-effects regression
[R]	nl	Nonlinear least-squares estimation
[R]	nlsur	Estimation of nonlinear systems of equations

Nonparametric statistics

[R]	bitest	Binomial probability test
[R]	bootstrap	Bootstrap sampling and estimation
[R]	bsample	Sampling with replacement
[R]	bstat	Report bootstrap results
[R]	centile	Report centile and confidence interval
[R]	cusum	Cusum plots and tests for binary variables
[R]	kdensity	Univariate kernel density estimation
[R]	ksmirnov	Kolmogorov–Smirnov equality-of-distributions test
[R]	kwallis	Kruskal–Wallis equality-of-populations rank test
[R]	lowess	Lowess smoothing
[R]	lpoly	Kernel-weighted local polynomial smoothing
[R]	npregress intro	Introduction to nonparametric regression
[R]	npregress kernel	Nonparametric kernel regression
[R]	npregress series	Nonparametric series regression
[R]	nptrend	Tests for trend across ordered groups
[R]	prtest	Tests of proportions
[R]	qreg	Quantile regression
[R]	ranksum	Equality tests on unmatched data
[R]	roc	Receiver operating characteristic (ROC) analysis
[R]	roccomp	Tests of equality of ROC areas
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	rocregplot	Plot marginal and covariate-specific ROC curves after rocreg
[R]	roctab	Nonparametric ROC analysis
[R]	runtest	Test for random order
[R]	signrank	Equality tests on matched data
[R]	simulate	Monte Carlo simulations
[R]	smooth	Robust nonlinear smoother
[R]	spearman	Spearman’s and Kendall’s correlations
[R]	symmetry	Symmetry and marginal homogeneity tests
[R]	tabulate twoway	Two-way table of frequencies

Ordinal outcomes

[U]	Chapter 20	Estimation and postestimation commands
[BAYES]	Bayesian estimation	Bayesian estimation commands
[CM]	cmlogit	Rank-ordered logit choice model
[CM]	cmprobit	Rank-ordered probit choice model
[ERM]	eoprobit	Extended ordered probit regression
[FMM]	fmm estimation	Fitting finite mixture models
[R]	heckoprobit	Ordered probit model with sample selection

[R]	hetoprobit	Heteroskedastic ordered probit regression
[IRT]	irt grm	Graded response model
[IRT]	irt pcm	Partial credit model
[IRT]	irt rsm	Rating scale model
[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[R]	ologit	Ordered logistic regression
[R]	oprobit	Ordered probit regression
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[R]	ziologit	Zero-inflated ordered logit regression
[R]	zioprobit	Zero-inflated ordered probit regression

Other statistics

[MV]	alpha	Compute interitem correlations (covariances) and Cronbach's alpha
[R]	ameans	Arithmetic, geometric, and harmonic means
[R]	brier	Brier score decomposition
[R]	centile	Report centile and confidence interval
[R]	kappa	Interrater agreement
[MV]	mvtest correlations	Multivariate tests of correlations
[R]	pcorr	Partial and semipartial correlation coefficients
[D]	pctile	Create variable containing percentiles
[D]	range	Generate numerical range

Pharmacokinetic statistics

[U]	Section 27.21	Pharmacokinetic data
[R]	pk	Pharmacokinetic (biopharmaceutical) data
[R]	pkcollapse	Generate pharmacokinetic measurement dataset
[R]	pkcross	Analyze crossover experiments
[R]	pkequiv	Perform bioequivalence tests
[R]	pkexamine	Calculate pharmacokinetic measures
[R]	pkshape	Reshape (pharmacokinetic) Latin-square data
[R]	pksumm	Summarize pharmacokinetic data

Power, precision, and sample size

[U]	Section 27.32	Power, precision, and sample-size analysis
[PSS-1]	Intro	Introduction to power, precision, and sample-size analysis
[PSS-3]	Intro (ciwidth)	Introduction to precision and sample-size analysis for confidence intervals
[PSS-2]	Intro (power)	Introduction to power and sample-size analysis for hypothesis tests
[PSS-3]	ciwidth	Precision and sample-size analysis for CIs
[PSS-3]	ciwidth onemean	Precision analysis for a one-mean CI
[PSS-3]	ciwidth onevariance	Precision analysis for a one-variance CI
[PSS-3]	ciwidth pairedmeans	Precision analysis for a paired-means-difference CI
[PSS-3]	ciwidth twomeans	Precision analysis for a two-means-difference CI
[PSS-3]	ciwidth usermethod	Add your own methods to the ciwidth command
[PSS-3]	ciwidth, graph	Graph results from the ciwidth command
[PSS-3]	ciwidth, table	Produce table of results from the ciwidth command
[PSS-3]	GUI (ciwidth)	Graphical user interface for precision and sample-size analysis
[PSS-2]	GUI (power)	Graphical user interface for power and sample-size analysis
[PSS-2]	power	Power and sample-size analysis for hypothesis tests

[PSS-2]	power cmh	Power and sample size for the Cochran–Mantel–Haenszel test
[PSS-2]	power cox	Power analysis for the Cox proportional hazards model
[PSS-2]	power exponential	Power analysis for a two-sample exponential test
[PSS-2]	power logrank	Power analysis for the log-rank test
[PSS-2]	power logrank, cluster	Power analysis for the log-rank test, CRD
[PSS-2]	power mcc	Power analysis for matched case–control studies
[PSS-2]	power onecorrelation	Power analysis for a one-sample correlation test
[PSS-2]	power onemean	Power analysis for a one-sample mean test
[PSS-2]	power onemean, cluster	Power analysis for a one-sample mean test, CRD
[PSS-2]	power oneproportion	Power analysis for a one-sample proportion test
[PSS-2]	power oneproportion, cluster	Power analysis for a one-sample proportion test, CRD
[PSS-2]	power oneslope	Power analysis for a slope test in a simple linear regression
[PSS-2]	power onevariance	Power analysis for a one-sample variance test
[PSS-2]	power oneway	Power analysis for one-way analysis of variance
[PSS-2]	power pairedmeans	Power analysis for a two-sample paired-means test
[PSS-2]	power pairedproportions	Power analysis for a two-sample paired-proportions test
[PSS-2]	power pcorr	Power analysis for a partial-correlation test in a multiple linear regression
[PSS-2]	power repeated	Power analysis for repeated-measures analysis of variance
[PSS-2]	power rsquared	Power analysis for an R^2 test in a multiple linear regression
[PSS-2]	power trend	Power analysis for the Cochran–Armitage trend test
[PSS-2]	power twocorrelations	Power analysis for a two-sample correlations test
[PSS-2]	power twomeans	Power analysis for a two-sample means test
[PSS-2]	power twomeans, cluster	Power analysis for a two-sample means test, CRD
[PSS-2]	power twoproportions	Power analysis for a two-sample proportions test
[PSS-2]	power twoproportions, cluster	Power analysis for a two-sample proportions test, CRD
[PSS-2]	power twovariances	Power analysis for a two-sample variances test
[PSS-2]	power twoway	Power analysis for two-way analysis of variance
[PSS-2]	power usermethod	Add your own methods to the power command
[PSS-2]	power, graph	Graph results from the power command
[PSS-2]	power, table	Produce table of results from the power command
[PSS-4]	Unbalanced designs	Specifications for unbalanced designs

Quality control

[R]	QC	Quality control charts
[R]	cusum	Cusum plots and tests for binary variables
[R]	serrbar	Graph standard error bar chart

ROC analysis

[U]	Section 27.4.3	ROC analysis
[R]	roc	Receiver operating characteristic (ROC) analysis
[R]	roccomp	Tests of equality of ROC areas
[R]	rocfits	Parametric ROC models
[R]	rocfits postestimation	Postestimation tools for rocfits
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	rocreg postestimation	Postestimation tools for rocreg
[R]	rocregplot	Plot marginal and covariate-specific ROC curves after rocreg
[R]	roctab	Nonparametric ROC analysis

Rotation

[MV]	procrustes	Procrustes transformation
[MV]	rotate	Orthogonal and oblique rotations after factor and pca
[MV]	rotatemat	Orthogonal and oblique rotations of a Stata matrix

Sample selection models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.13	Models with endogenous sample selection
[BAYES]	Bayesian estimation	Bayesian estimation commands
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	etregress	Linear regression with endogenous treatment effects
[R]	heckman	Heckman selection model
[R]	heckoprobit	Ordered probit model with sample selection
[R]	heckpoisson	Poisson regression with sample selection
[R]	heckprobit	Probit model with sample selection
[XT]	xteintreg	Extended random-effects interval regression
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xteprobit	Extended random-effects probit regression
[XT]	xteregress	Extended random-effects linear regression
[XT]	xtheckman	Random-effects regression with sample selection

Simulation/resampling

[R]	bootstrap	Bootstrap sampling and estimation
[R]	bsample	Sampling with replacement
[R]	jackknife	Jackknife estimation
[R]	permute	Monte Carlo permutation tests
[R]	simulate	Monte Carlo simulations

Spatial autoregressive models

[U]	Section 27.19	Spatial autoregressive models
[SP]	Intro	Introduction to spatial data and SAR models
[SP]	Intro 1	A brief introduction to SAR models
[SP]	Intro 2	The W matrix
[SP]	Intro 3	Preparing data for analysis
[SP]	Intro 4	Preparing data: Data with shapefiles
[SP]	Intro 5	Preparing data: Data containing locations (no shapefiles)
[SP]	Intro 6	Preparing data: Data without shapefiles or locations
[SP]	Intro 7	Example from start to finish
[SP]	Intro 8	The Sp estimation commands
[SP]	estat moran	Moran's test of residual correlation with nearby residuals
[SP]	grmap	Graph choropleth maps
[SP]	spbalance	Make panel data strongly balanced
[SP]	spcompress	Compress Stata-format shapefile
[SP]	spdistance	Calculator for distance between places
[SP]	spgenerate	Generate variables containing spatial lags
[SP]	spivregress	Spatial autoregressive models with endogenous covariates

[SP]	<code>spmatrix</code>	Categorical guide to the <code>spmatrix</code> command
[SP]	<code>spmatrix copy</code>	Copy spatial weighting matrix stored in memory
[SP]	<code>spmatrix create</code>	Create standard weighting matrices
[SP]	<code>spmatrix drop</code>	List and delete weighting matrices stored in memory
[SP]	<code>spmatrix export</code>	Export weighting matrix to text file
[SP]	<code>spmatrix fromdata</code>	Create custom weighting matrix from data
[SP]	<code>spmatrix import</code>	Import weighting matrix from text file
[SP]	<code>spmatrix matafromsp</code>	Copy weighting matrix to Mata
[SP]	<code>spmatrix normalize</code>	Normalize weighting matrix
[SP]	<code>spmatrix note</code>	Put note on weighting matrix, or display it
[SP]	<code>spmatrix save</code>	Save spatial weighting matrix to file
[SP]	<code>spmatrix spfrommata</code>	Copy Mata matrix to Sp
[SP]	<code>spmatrix summarize</code>	Summarize weighting matrix stored in memory
[SP]	<code>spmatrix use</code>	Load spatial weighting matrix from file
[SP]	<code>spmatrix userdefined</code>	Create custom weighting matrix
[SP]	<code>spregress</code>	Spatial autoregressive models
[SP]	<code>spset</code>	Declare data to be Sp spatial data
[SP]	<code>spshape2dta</code>	Translate shapefile to Stata format
[SP]	<code>spxtregress</code>	Spatial autoregressive models for panel data

Standard postestimation tests, tables, and other analyses

[U]	Section 13.5	Accessing coefficients and standard errors
[U]	Chapter 20	Estimation and postestimation commands
[R]	<code>contrast</code>	Contrasts and linear hypothesis tests after estimation
[R]	<code>correlate</code>	Correlations of variables
[R]	<code>estat</code>	Postestimation statistics
[R]	<code>estat ic</code>	Display information criteria
[R]	<code>estat summarize</code>	Summarize estimation sample
[R]	<code>estat vce</code>	Display covariance matrix estimates
[R]	<code>estimates</code>	Save and manipulate estimation results
[R]	<code>estimates describe</code>	Describe estimation results
[R]	<code>estimates for</code>	Repeat postestimation command across models
[R]	<code>estimates notes</code>	Add notes to estimation results
[R]	<code>estimates replay</code>	Redisplay estimation results
[R]	<code>estimates save</code>	Save and use estimation results
[R]	<code>estimates selected</code>	Show selected coefficients
[R]	<code>estimates stats</code>	Model-selection statistics
[R]	<code>estimates store</code>	Store and restore estimation results
[R]	<code>estimates table</code>	Compare estimation results
[R]	<code>estimates title</code>	Set title for estimation results
[TS]	<code>forecast</code>	Econometric model forecasting
[TS]	<code>forecast adjust</code>	Adjust variables to produce alternative forecasts
[TS]	<code>forecast clear</code>	Clear current model from memory
[TS]	<code>forecast coefvector</code>	Specify an equation via a coefficient vector
[TS]	<code>forecast create</code>	Create a new forecast model
[TS]	<code>forecast describe</code>	Describe features of the forecast model
[TS]	<code>forecast drop</code>	Drop forecast variables
[TS]	<code>forecast estimates</code>	Add estimation results to a forecast model
[TS]	<code>forecast exogenous</code>	Declare exogenous variables
[TS]	<code>forecast identity</code>	Add an identity to a forecast model
[TS]	<code>forecast list</code>	List forecast commands composing current model

[TS]	forecast query	Check whether a forecast model has been started
[TS]	forecast solve	Obtain static and dynamic forecasts
[R]	hausman	Hausman specification test
[R]	lincom	Linear combinations of parameters
[R]	linktest	Specification link test for single-equation models
[R]	lrtest	Likelihood-ratio test after estimation
[R]	margins, contrast	Contrasts of margins
[R]	margins, pwcompare	Pairwise comparisons of margins
[CM]	margins	Adjusted predictions, predictive margins, and marginal effects
[R]	marginsplot	Graph results from margins (profile plots, etc.)
[R]	margins	Marginal means, predictive margins, and marginal effects
[MV]	mvtest	Multivariate tests
[R]	nlcom	Nonlinear combinations of estimators
[R]	postest	Postestimation Selector
[R]	predict	Obtain predictions, residuals, etc., after estimation
[R]	predictnl	Obtain nonlinear predictions, standard errors, etc., after estimation
[R]	pwcompare	Pairwise comparisons
[R]	suest	Seemingly unrelated estimation
[R]	test	Test linear hypotheses after estimation
[R]	testnl	Test nonlinear hypotheses after estimation

Structural equation modeling

[U]	Section 27.24	Structural equation modeling (SEM)
[SEM]	Builder	SEM Builder
[SEM]	Builder, generalized	SEM Builder for generalized models
[SEM]	Intro 1	Introduction
[SEM]	Intro 2	Learning the language: Path diagrams and command language
[SEM]	Intro 3	Learning the language: Factor-variable notation (gsem only)
[SEM]	Intro 4	Substantive concepts
[SEM]	Intro 5	Tour of models
[SEM]	Intro 6	Comparing groups
[SEM]	Intro 7	Postestimation tests and predictions
[SEM]	Intro 8	Robust and clustered standard errors
[SEM]	Intro 9	Standard errors, the full story
[SEM]	Intro 10	Fitting models with survey data
[SEM]	Intro 11	Fitting models with summary statistics data (sem only)
[SEM]	Intro 12	Convergence problems and how to solve them
[SEM]	estat eform	Display exponentiated coefficients
[SEM]	estat eqgof	Equation-level goodness-of-fit statistics
[SEM]	estat eqtest	Equation-level tests that all coefficients are zero
[SEM]	estat framework	Display estimation results in modeling framework
[SEM]	estat ggof	Group-level goodness-of-fit statistics
[SEM]	estat ginvariant	Tests for invariance of parameters across groups
[SEM]	estat gof	Goodness-of-fit statistics
[SEM]	estat lcgof	Latent class goodness-of-fit statistics
[SEM]	estat lmean	Latent class marginal means
[SEM]	estat lprob	Latent class marginal probabilities
[SEM]	estat mindices	Modification indices
[SEM]	estat residuals	Display mean and covariance residuals
[SEM]	estat scoretests	Score tests
[SEM]	estat sd	Display variance components as standard deviations and correlations

[SEM]	estat stable	Check stability of nonrecursive system
[SEM]	estat stdize	Test standardized parameters
[SEM]	estat summarize	Report summary statistics for estimation sample
[SEM]	estat teffects	Decomposition of effects into total, direct, and indirect
[SEM]	Example 1	Single-factor measurement model
[SEM]	Example 2	Creating a dataset from published covariances
[SEM]	Example 3	Two-factor measurement model
[SEM]	Example 4	Goodness-of-fit statistics
[SEM]	Example 5	Modification indices
[SEM]	Example 6	Linear regression
[SEM]	Example 7	Nonrecursive structural model
[SEM]	Example 8	Testing that coefficients are equal, and constraining them
[SEM]	Example 9	Structural model with measurement component
[SEM]	Example 10	MIMIC model
[SEM]	Example 11	estat framework
[SEM]	Example 12	Seemingly unrelated regression
[SEM]	Example 13	Equation-level Wald test
[SEM]	Example 14	Predicted values
[SEM]	Example 15	Higher-order CFA
[SEM]	Example 16	Correlation
[SEM]	Example 17	Correlated uniqueness model
[SEM]	Example 18	Latent growth model
[SEM]	Example 19	Creating multiple-group summary statistics data
[SEM]	Example 20	Two-factor measurement model by group
[SEM]	Example 21	Group-level goodness of fit
[SEM]	Example 22	Testing parameter equality across groups
[SEM]	Example 23	Specifying parameter constraints across groups
[SEM]	Example 24	Reliability
[SEM]	Example 25	Creating summary statistics data from raw data
[SEM]	Example 26	Fitting a model with data missing at random
[SEM]	Example 27g	Single-factor measurement model (generalized response)
[SEM]	Example 28g	One-parameter logistic IRT (Rasch) model
[SEM]	Example 29g	Two-parameter logistic IRT model
[SEM]	Example 30g	Two-level measurement model (multilevel, generalized response)
[SEM]	Example 31g	Two-factor measurement model (generalized response)
[SEM]	Example 32g	Full structural equation model (generalized response)
[SEM]	Example 33g	Logistic regression
[SEM]	Example 34g	Combined models (generalized responses)
[SEM]	Example 35g	Ordered probit and ordered logit
[SEM]	Example 36g	MIMIC model (generalized response)
[SEM]	Example 37g	Multinomial logistic regression
[SEM]	Example 38g	Random-intercept and random-slope models (multilevel)
[SEM]	Example 39g	Three-level model (multilevel, generalized response)
[SEM]	Example 40g	Crossed models (multilevel)
[SEM]	Example 41g	Two-level multinomial logistic regression (multilevel)
[SEM]	Example 42g	One- and two-level mediation models (multilevel)
[SEM]	Example 43g	Tobit regression
[SEM]	Example 44g	Interval regression
[SEM]	Example 45g	Heckman selection model
[SEM]	Example 46g	Endogenous treatment-effects model
[SEM]	Example 47g	Exponential survival model

[SEM]	Example 48g	Loglogistic survival model with censored and truncated data
[SEM]	Example 49g	Multiple-group Weibull survival model
[SEM]	Example 50g	Latent class model
[SEM]	Example 51g	Latent class goodness-of-fit statistics
[SEM]	Example 52g	Latent profile model
[SEM]	Example 53g	Finite mixture Poisson regression
[SEM]	Example 54g	Finite mixture Poisson regression, multiple responses
[SEM]	<code>gsem</code>	Generalized structural equation model estimation command
[SEM]	<code>gsem estimation options</code>	Options affecting estimation
[SEM]	<code>gsem family-and-link options</code>	Family-and-link options
[SEM]	<code>gsem group options</code>	Fitting models on different groups
[SEM]	<code>gsem lclass options</code>	Fitting models with latent classes
[SEM]	<code>gsem model description options</code>	Model description options
[SEM]	<code>gsem path notation extensions</code>	Command syntax for path diagrams
[SEM]	<code>gsem postestimation</code>	Postestimation tools for <code>gsem</code>
[SEM]	<code>gsem reporting options</code>	Options affecting reporting of results
[SEM]	<code>lincom</code>	Linear combinations of parameters
[SEM]	<code>lrtest</code>	Likelihood-ratio test of linear hypothesis
[SEM]	<code>Methods and formulas for gsem</code>	Methods and formulas for <code>gsem</code>
[SEM]	<code>Methods and formulas for sem</code>	Methods and formulas for <code>sem</code>
[SEM]	<code>nlcom</code>	Nonlinear combinations of parameters
[SEM]	<code>predict after gsem</code>	Generalized linear predictions, etc.
[SEM]	<code>predict after sem</code>	Factor scores, linear predictions, etc.
[SEM]	<code>sem</code>	Structural equation model estimation command
[SEM]	<code>sem and gsem option constraints()</code>	Specifying constraints
[SEM]	<code>sem and gsem option covstructure()</code>	Specifying covariance restrictions
[SEM]	<code>sem and gsem option from()</code>	Specifying starting values
[SEM]	<code>sem and gsem option reliability()</code>	Fraction of variance not due to measurement error
[SEM]	<code>sem and gsem path notation</code>	Command syntax for path diagrams
[SEM]	<code>sem and gsem syntax options</code>	Options affecting interpretation of syntax
[SEM]	<code>sem estimation options</code>	Options affecting estimation
[SEM]	<code>sem group options</code>	Fitting models on different groups
[SEM]	<code>sem model description options</code>	Model description options
[SEM]	<code>sem option method()</code>	Specifying method and calculation of VCE
[SEM]	<code>sem option noxconditional</code>	Computing means, etc., of observed exogenous variables
[SEM]	<code>sem option select()</code>	Using <code>sem</code> with summary statistics data
[SEM]	<code>sem path notation extensions</code>	Command syntax for path diagrams
[SEM]	<code>sem postestimation</code>	Postestimation tools for <code>sem</code>
[SEM]	<code>sem reporting options</code>	Options affecting reporting of results
[SEM]	<code>sem ssd options</code>	Options for use with summary statistics data
[SEM]	<code>ssd</code>	Making summary statistics data (<code>sem</code> only)
[SEM]	<code>test</code>	Wald test of linear hypotheses
[SEM]	<code>testnl</code>	Wald test of nonlinear hypotheses

Survey data

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.30	Survey data
[SVY]	Survey	Introduction to survey commands
[SVY]	<code>bootstrap_options</code>	More options for bootstrap variance estimation
[SVY]	<code>brr_options</code>	More options for BRR variance estimation
[SVY]	Calibration	Calibration for survey data

[SVY]	Direct standardization	 Direct standardization of means, proportions, and ratios
[SVY]	estat	 Postestimation statistics for survey data
[TABLES]	Example 7	 Table of regression results using survey data
[SVY]	jackknife_options	 More options for jackknife variance estimation
[SVY]	ml for svy	 Maximum pseudolikelihood estimation for survey data
[SVY]	Poststratification	 Poststratification for survey data
[P]	_robust	 Robust variance estimates
[SVY]	sdr_options	 More options for SDR variance estimation
[SVY]	Subpopulation estimation	 Subpopulation estimation for survey data
[SVY]	svy	 The survey prefix command
[SVY]	svy bootstrap	 Bootstrap for survey data
[SVY]	svy brr	 Balanced repeated replication for survey data
[SVY]	svy estimation	 Estimation commands for survey data
[SVY]	svy jackknife	 Jackknife estimation for survey data
[SVY]	svy postestimation	 Postestimation tools for svy
[SVY]	svy sdr	 Successive difference replication for survey data
[SVY]	svy: tabulate oneway	 One-way tables for survey data
[SVY]	svy: tabulate twoway	 Two-way tables for survey data
[SVY]	svydescribe	 Describe survey data
[SVY]	svymarkout	. Mark observations for exclusion on the basis of survey characteristics
[SVY]	svyset	 Declare survey design for dataset
[MI]	mi XXXset	 Declare mi data to be svy, st, ts, xt, etc.
[SVY]	Variance estimation	 Variance estimation for survey data

Survival analysis

[U]	Chapter 20	 Estimation and postestimation commands
[U]	Section 27.15.5	 Survival models with panel data
[U]	Section 27.17	 Survival analysis models
[U]	Section 27.20	 Treatment-effects models
[U]	Section 27.32	 Power, precision, and sample-size analysis
[ST]	Survival analysis	 Introduction to survival analysis
[ST]	adjustfor_option	Adjust survivor and related functions for covariates at specific values
[BAYES]	bayes: streg	 Bayesian parametric survival models
[ST]	ct	 Count-time data
[ST]	ctset	 Declare data to be count-time data
[ST]	cttost	 Convert count-time data to survival-time data
[ST]	Discrete	 Discrete-time survival analysis
[FMM]	fmm: streg	 Finite mixtures of parametric survival models
[ST]	ltable	 Life tables for survival data
[ME]	mestreg	 Multilevel mixed-effects parametric survival models
[ST]	snapspan	 Convert snapshot data to time-span data
[ST]	st	 Survival-time data
[ST]	st_is	 Survival analysis subroutines for programmers
[ST]	stbase	 Form baseline dataset
[ST]	stci	 Confidence intervals for means and percentiles of survival time
[ST]	stcox	 Cox proportional hazards model
[ST]	stcox PH-assumption tests	 Tests of proportional-hazards assumption after stcox
[ST]	stcrreg	 Competing-risks regression
[ST]	stcurve	 Plot the survivor or related function after streg, stcox, and others
[ST]	stdescribe	 Describe survival-time data
[R]	stepwise	 Stepwise estimation

[ST]	stfill	Fill in by carrying forward values of covariates
[ST]	stgen	Generate variables reflecting entire histories
[ST]	stintcox	Cox proportional hazards model for interval-censored survival-time data
[ST]	stintcox PH-assumption plots	Plots of proportional-hazards assumption after stintcox
[ST]	stintreg	Parametric models for interval-censored survival-time data
[ST]	stir	Report incidence-rate comparison
[ST]	stptime	Calculate person-time, incidence rates, and SMR
[ST]	strate	Tabulate failure rates and rate ratios
[ST]	streg	Parametric survival models
[ST]	sts	Generate, graph, list, and test the survivor and related functions
[ST]	sts generate	Create variables containing survivor and related functions
[ST]	sts graph	Graph the survivor or related function
[ST]	sts list	List the survivor or related function
[ST]	sts test	Test equality of survivor functions
[ST]	stset	Declare data to be survival-time data
[MI]	mi XXXset	Declare mi data to be svy, st, ts, xt, etc.
[ST]	stsplit	Split and join time-span records
[MI]	mi stsplit	Split and join time-span records for mi data
[ST]	stsum	Summarize survival-time data
[TE]	stteffects ipw	Survival-time inverse-probability weighting
[TE]	stteffects ipwra	Survival-time inverse-probability-weighted regression adjustment
[TE]	stteffects ra	Survival-time regression adjustment
[TE]	stteffects wra	Survival-time weighted regression adjustment
[ST]	sttocc	Convert survival-time data to case-control data
[ST]	sttoct	Convert survival-time data to count-time data
[ST]	stvary	Report variables that vary over time
[XT]	xtstreg	Random-effects parametric survival models

Also see [Power, precision, and sample size](#).

Time series, multivariate

[U]	Section 11.4.4	Time-series varlists
[U]	Section 13.10	Time-series operators
[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.14	Time-series models
[TS]	Time series	Introduction to time-series commands
[BAYES]	bayesirf graph	Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[TS]	dfactor	Dynamic-factor models
[TS]	fcast compute	Compute dynamic forecasts after var, svar, or vec
[TS]	fcast graph	Graph forecasts after fcast compute
[TS]	forecast	Econometric model forecasting
[TS]	forecast adjust	Adjust variables to produce alternative forecasts
[TS]	forecast clear	Clear current model from memory
[TS]	forecast coefvector	Specify an equation via a coefficient vector
[TS]	forecast create	Create a new forecast model
[TS]	forecast describe	Describe features of the forecast model
[TS]	forecast drop	Drop forecast variables
[TS]	forecast estimates	Add estimation results to a forecast model
[TS]	forecast exogenous	Declare exogenous variables
[TS]	forecast identity	Add an identity to a forecast model
[TS]	forecast list	List forecast commands composing current model
[TS]	forecast query	Check whether a forecast model has been started

[TS]	forecast solve	Obtain static and dynamic forecasts
[TS]	irf	Create and analyze IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf add	Add results from an IRF file to the active IRF file
[TS]	irf cgraph	Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf create	Obtain IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf ctable	Combined tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf describe	Describe an IRF file
[TS]	irf drop	Drop IRF results from the active IRF file
[TS]	irf graph	Graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf ograph	Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf rename	Rename an IRF result in an IRF file
[TS]	irf set	Set the active IRF file
[TS]	irf table	Tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	mgarch	Multivariate GARCH models
[TS]	mgarch ccc	Constant conditional correlation multivariate GARCH models
[TS]	mgarch dcc	Dynamic conditional correlation multivariate GARCH models
[TS]	mgarch dvecch	Diagonal vech multivariate GARCH models
[TS]	mgarch vcc	Varying conditional correlation multivariate GARCH models
[TS]	rolling	Rolling-window and recursive estimation
[TS]	sspace	State-space models
[TS]	tsappend	Add observations to a time-series dataset
[TS]	tsfill	Fill in gaps in time variable
[TS]	tsline	Time-series line plots
[TS]	tsreport	Report time-series aspects of a dataset or estimation sample
[TS]	tsrevar	Time-series operator programming command
[TS]	tsset	Declare data to be time-series data
[TS]	var intro	Introduction to vector autoregressive models
[TS]	var svar	Structural vector autoregressive models
[TS]	var	Vector autoregressive models
[TS]	varbasic	Fit a simple VAR and graph IRFs or FEVDs
[TS]	vargranger	Pairwise Granger causality tests after var or svar
[TS]	varlmar	LM test for residual autocorrelation after var or svar
[TS]	varnorm	Test for normally distributed disturbances after var or svar
[TS]	varsoc	Obtain lag-order selection statistics for VARs and VECMs
[TS]	varstable	Check the stability condition of VAR or SVAR estimates
[TS]	varwle	Obtain Wald lag-exclusion statistics after var or svar
[TS]	vec intro	Introduction to vector error-correction models
[TS]	vec	Vector error-correction models
[TS]	veclmar	LM test for residual autocorrelation after vec
[TS]	vecnorm	Test for normally distributed disturbances after vec
[TS]	vecrank	Estimate the cointegrating rank of a VECM
[TS]	vecstable	Check the stability condition of VECM estimates
[TS]	xcorr	Cross-correlogram for bivariate time series

Time series, univariate

[U]	Section 11.4.4	Time-series varlists
[U]	Section 13.10	Time-series operators
[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.14	Time-series models
[TS]	Time series	Introduction to time-series commands
[TS]	arch	Autoregressive conditional heteroskedasticity (ARCH) family of estimators

[TS]	arfima	Autoregressive fractionally integrated moving-average models
[TS]	arima	ARIMA, ARMAX, and other dynamic regression models
[TS]	corrgram	Tabulate and graph autocorrelations
[TS]	cumsp	Graph cumulative spectral distribution
[TS]	dfgl	DF-GLS unit-root test
[TS]	dfuller	Augmented Dickey–Fuller unit-root test
[TS]	estat acplot	Plot parametric autocorrelation and autocovariance functions
[TS]	estat aroots	Check the stability condition of ARIMA estimates
[TS]	estat sbcsum	Cumulative sum test for parameter stability
[TS]	estat sbknown	Test for a structural break with a known break date
[TS]	estat sbsingle	Test for a structural break with an unknown break date
[TS]	forecast	Econometric model forecasting
[TS]	forecast adjust	Adjust variables to produce alternative forecasts
[TS]	forecast clear	Clear current model from memory
[TS]	forecast coefvector	Specify an equation via a coefficient vector
[TS]	forecast create	Create a new forecast model
[TS]	forecast describe	Describe features of the forecast model
[TS]	forecast drop	Drop forecast variables
[TS]	forecast estimates	Add estimation results to a forecast model
[TS]	forecast exogenous	Declare exogenous variables
[TS]	forecast identity	Add an identity to a forecast model
[TS]	forecast list	List forecast commands composing current model
[TS]	forecast query	Check whether a forecast model has been started
[TS]	forecast solve	Obtain static and dynamic forecasts
[TS]	mswitch	Markov-switching regression models
[TS]	newey	Regression with Newey–West standard errors
[TS]	pergram	Periodogram
[TS]	pperron	Phillips–Perron unit-root test
[TS]	prais	Prais–Winsten and Cochrane–Orcutt regression
[TS]	psdensity	Parametric spectral density estimation after arima, arfima, and ucm
[R]	regress postestimation time series	Postestimation tools for regress with time series
[TS]	rolling	Rolling-window and recursive estimation
[TS]	sspace	State-space models
[TS]	threshold	Threshold regression
[TS]	tsappend	Add observations to a time-series dataset
[TS]	tsfill	Fill in gaps in time variable
[TS]	tsfilter	Filter a time series for cyclical components
[TS]	tsfilter bk	Baxter–King time-series filter
[TS]	tsfilter bw	Butterworth time-series filter
[TS]	tsfilter cf	Christiano–Fitzgerald time-series filter
[TS]	tsfilter hp	Hodrick–Prescott time-series filter
[TS]	tsline	Time-series line plots
[TS]	tsreport	Report time-series aspects of a dataset or estimation sample
[TS]	tsrevar	Time-series operator programming command
[TS]	tsset	Declare data to be time-series data
[TS]	tssmooth	Smooth and forecast univariate time-series data
[TS]	tssmooth dexponential	Double-exponential smoothing
[TS]	tssmooth exponential	Single-exponential smoothing
[TS]	tssmooth hwinters	Holt–Winters nonseasonal smoothing
[TS]	tssmooth ma	Moving-average filter
[TS]	tssmooth nl	Nonlinear filter

[TS]	tssmooth shwinters	Holt–Winters seasonal smoothing
[TS]	ucm	Unobserved-components model
[TS]	wntestb	Bartlett’s periodogram-based test for white noise
[TS]	wntestq	Portmanteau (Q) test for white noise
[TS]	xcorr	Cross-correlogram for bivariate time series

Transforms and normality tests

[R]	boxcox	Box–Cox regression models
[R]	fp	Fractional polynomial regression
[R]	ladder	Ladder of powers
[R]	lnskew0	Find zero-skewness log or Box–Cox transform
[R]	mfp	Multivariable fractional polynomial models
[MV]	mvtest normality	Multivariate normality tests
[R]	sktest	Skewness and kurtosis tests for normality
[R]	swilk	Shapiro–Wilk and Shapiro–Francia tests for normality

Treatment effects

[U]	Section 27.20	Treatment-effects models
[TE]	DID intro	Introduction to difference-in-differences estimation
[TE]	Treatment effects	Introduction to treatment-effects commands
[TE]	didregress	Difference-in-differences estimation
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[TE]	eteffects	Endogenous treatment-effects estimation
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	etregress	Linear regression with endogenous treatment effects
[TE]	stteffects	Treatment-effects estimation for observational survival-time data
[TE]	stteffects intro	Introduction to treatment effects for observational survival-time data
[TE]	stteffects ipw	Survival-time inverse-probability weighting
[TE]	stteffects ipwra	Survival-time inverse-probability-weighted regression adjustment
[TE]	stteffects ra	Survival-time regression adjustment
[TE]	stteffects wra	Survival-time weighted regression adjustment
[TE]	tebalance	Check balance after teffects or stteffects estimation
[TE]	tebalance box	Covariate balance box
[TE]	tebalance density	Covariate balance density
[TE]	tebalance overid	Test for covariate balance
[TE]	tebalance summarize	Covariate-balance summary statistics
[TE]	teffects	Treatment-effects estimation for observational data
[TE]	teffects aipw	Augmented inverse-probability weighting
[TE]	teffects intro	Introduction to treatment effects for observational data
[TE]	teffects intro advanced	Advanced introduction to treatment effects for observational data
[TE]	teffects ipw	Inverse-probability weighting
[TE]	teffects ipwra	Inverse-probability-weighted regression adjustment
[TE]	teffects multivalued	Multivalued treatment effects
[TE]	teffects nnmatch	Nearest-neighbor matching
[TE]	teffects psmatch	Propensity-score matching
[TE]	teffects ra	Regression adjustment
[TE]	telasso	Treatment-effects estimation using lasso
[TE]	teoverlap	Overlap plots

[XT]	xtdidregress	Fixed-effects difference-in-differences estimation
[XT]	xteintreg	Extended random-effects interval regression
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xteprobit	Extended random-effects probit regression
[XT]	xtregress	Extended random-effects linear regression

Matrix commands

Basics

[U]	Chapter 14	Matrix expressions
[P]	matlist	Display a matrix and control its format
[P]	matrix	Introduction to matrix commands
[P]	matrix define	Matrix definition, operators, and functions
[P]	matrix utility	List, rename, and drop matrices

Programming

[P]	ereturn	Post the estimation results
[P]	matrix accum	Form cross-product matrices
[P]	matrix rowjoinbyname	Join rows while matching on column names
[P]	matrix rownames	Name rows and columns
[P]	matrix score	Score data from coefficient vectors
[R]	ml	Maximum likelihood estimation
[M]	Mata Reference Manual	

Other

[P]	makecns	Constrained estimation
[P]	matrix dissimilarity	Compute similarity or dissimilarity measures
[P]	matrix eigenvalues	Eigenvalues of nonsymmetric matrices
[P]	matrix get	Access system matrices
[P]	matrix mkmat	Convert variables to matrix and vice versa
[P]	matrix svd	Singular value decomposition
[P]	matrix syeigen	Eigenvalues and eigenvectors of symmetric matrices

Mata

[D]	putmata	Put Stata variables into Mata and vice versa
[M]	Mata Reference Manual	

Programming

Basics

[U]	Chapter 18	Programming Stata
[U]	Section 18.3	Macros
[U]	Section 18.11	Ado-files
[P]	comments	Add comments to programs
[P]	fvexpand	Expand factor varlists
[P]	macro	Macro definition and manipulation
[P]	program	Define and manipulate programs
[P]	return	Return stored results

Program control

[U]	Section 18.11.1	Version
[P]	capture	Capture return code
[P]	continue	Break out of loops
[P]	error	Display generic error message and exit
[P]	foreach	Loop over items
[P]	forvalues	Loop over consecutive values
[P]	if	if programming command
[P]	version	Version control
[P]	while	Looping

Parsing and program arguments

[U]	Section 18.4	Program arguments
[P]	confirm	Argument verification
[P]	gettoken	Low-level parsing
[P]	levelsof	Distinct levels of a variable
[P]	numlist	Parse numeric lists
[P]	syntax	Parse Stata syntax
[P]	tokenize	Divide strings into tokens

Console output

[U]	Section 12.4.2	Handling Unicode strings
[P]	Dialog programming	Dialog programming
[P]	display	Display strings and values of scalar expressions
[P]	smcl	Stata Markup and Control Language
[P]	tabdisp	Display tables
[D]	unicode	Unicode utilities

Commonly used programming commands

[P]	byable	Make programs byable
[P]	#delimit	Change delimiter
[P]	exit	Exit from a program or do-file
[R]	fvrevar	Factor-variables operator programming command
[P]	mark	Mark observations for inclusion
[P]	matrix	Introduction to matrix commands
[P]	more	Pause until key is pressed
[P]	nopreserve option	nopreserve option
[P]	preserve	Preserve and restore data
[P]	quietly	Quietly and noisily perform Stata command
[P]	scalar	Scalar variables
[P]	smcl	Stata Markup and Control Language
[P]	sortpreserve	Sort within programs
[P]	timer	Time sections of code by recording and reporting time spent
[TS]	tsrevar	Time-series operator programming command

Debugging

[P]	pause	Program debugging command
[P]	timer	Time sections of code by recording and reporting time spent
[P]	trace	Debug Stata programs

Advanced programming commands

[U]	Section 12.4.2.5	Sorting strings containing Unicode characters
[RPT]	Appendix for putdocx	Appendix for putdocx entries
[RPT]	Appendix for putpdf	Appendix for putpdf entries
[P]	Automation	Automation
[P]	break	Suppress Break key
[P]	char	Characteristics
[M-2]	class	Object-oriented programming (classes)
[P]	class	Class programming
[P]	class exit	Exit class-member program and return result
[P]	classutil	Class programming utility
[M-5]	_docx*()	Generate Office Open XML (.docx) file
[RPT]	docx2pdf	Convert a Word (.docx) document to a PDF file
[RPT]	Dynamic documents intro	Introduction to dynamic documents
[RPT]	Dynamic tags	Dynamic tags for text files
[RPT]	dyndoc	Convert dynamic Markdown document to HTML or Word (.docx) document
[RPT]	dyntext	Process Stata dynamic tags in text file
[P]	estat programming	Controlling estat after community-contributed commands
[P]	_estimates	Manage estimation results
[P]	Estimation command	How to program an estimation command
[P]	file	Read and write text and binary files
[P]	findfile	Find file in path
[P]	frame post	Post results to dataset in another frame
[P]	H2O intro	Introduction to integration with H2O
[RPT]	html2docx	Convert an HTML file to a Word (.docx) document
[P]	include	Include commands from file
[P]	Java integration	Java integration for Stata
[P]	Java intro	Introduction to Java in Stata
[P]	Java plugin	Introduction to Java plugins
[P]	Java utilities	Java utilities
[P]	javacall	Call a Java plugin
[M-5]	LinearProgram()	Linear programming
[P]	macro	Macro definition and manipulation
[P]	macro lists	Manipulate lists
[RPT]	markdown	Convert Markdown document to HTML file or Word (.docx) document
[R]	ml	Maximum likelihood estimation
[M-5]	moptimize()	Model optimization
[M-5]	optimize()	Function optimization
[M-5]	Pdf*()	Create a PDF file
[P]	plugin	Load a plugin
[P]	postfile	Post results in Stata dataset
[P]	_predict	Obtain predictions, residuals, etc., after estimation programming command
[P]	program properties	Properties of user-defined programs
[RPT]	putdocx begin	Create an Office Open XML (.docx) file
[RPT]	putdocx collect	Add a table from a collection to an Office Open XML (.docx) file
[RPT]	putdocx intro	Introduction to generating Office Open XML (.docx) files
[RPT]	putdocx pagebreak	Add breaks to an Office Open XML (.docx) file
[RPT]	putdocx paragraph	Add text or images to an Office Open XML (.docx) file
[RPT]	putdocx table	Add tables to an Office Open XML (.docx) file
[RPT]	putexcel	Export results to an Excel file
[RPT]	putexcel advanced	Export results to an Excel file using advanced syntax

[D]	putmata	Put Stata variables into Mata and vice versa
[RPT]	putpdf begin	Create a PDF file
[RPT]	putpdf collect	Add a table from a collection to a PDF file
[RPT]	putpdf intro	Introduction to generating PDF files
[RPT]	putpdf pagebreak	Add breaks to a PDF file
[RPT]	putpdf paragraph	Add text or images to a PDF file
[RPT]	putpdf table	Add tables to a PDF file
[P]	PyStata intro	Introduction to using Python and Stata together
[P]	PyStata integration	Call Python from Stata
[P]	PyStata module	Python package pystata to call Stata from Python
[M-5]	Quadrature()	Numerical integration
[P]	_return	Preserve stored results
[P]	_rmcoll	Remove collinear variables
[P]	_robust	Robust variance estimates
[P]	serset	Create and manipulate sersets
[D]	snapshot	Save and restore data snapshots
[P]	unab	Unabbreviate variable list
[P]	unabcmd	Unabbreviate command name
[D]	unicode collator	Language-specific Unicode collators
[D]	unicode convertfile	Low-level file conversion between encodings
[P]	varabbrev	Control variable abbreviation
[P]	viewsource	View source code
[M-5]	xl()	Excel file I/O class

Special-interest programming commands

[R]	bstat	Report bootstrap results
[MV]	cluster programming subroutines	Add cluster-analysis routines
[MV]	cluster programming utilities	Cluster-analysis programming utilities
[R]	fvrevar	Factor-variables operator programming command
[P]	matrix dissimilarity	Compute similarity or dissimilarity measures
[MI]	mi select	Programmer's alternative to mi extract
[ST]	st_is	Survival analysis subroutines for programmers
[SVY]	svymarkout	Mark observations for exclusion on the basis of survey characteristics
[MI]	Technical	Details for programmers
[TS]	tsrevar	Time-series operator programming command

Projects

[P]	Project Manager	Organize Stata files
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File formats

[P]	File formats .dta	Description of .dta file format
[D]	unicode convertfile	Low-level file conversion between encodings
[D]	unicode translate	Translate files to Unicode

Mata

[M]	Mata Reference Manual	
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Customizable tables and collections

[TABLES]	Intro	Introduction
[TABLES]	Intro 1	How to read this manual

[TABLES]	Intro 2	.....	A tour of concepts and commands
[TABLES]	Intro 3	.....	Workflow outline
[TABLES]	Intro 4	.....	Overview of commands
[TABLES]	Intro 5	.....	Other tabulation commands
[TABLES]	Appendix	.....	Appendix
[TABLES]	collect addtags	.....	Add tags to items in a collection
[TABLES]	collect clear	.....	Clear all collections in memory
[TABLES]	collect combine	.....	Combine collections
[TABLES]	collect composite	.....	Manage composite results in a collection
[TABLES]	collect copy	.....	Copy a collection
[TABLES]	collect create	.....	Create a new collection
[TABLES]	collect dims	.....	List dimensions in a collection
[TABLES]	collect dir	.....	Display names of all collections in memory
[TABLES]	collect export	.....	Export table from a collection
[TABLES]	collect get	.....	Collect results from a Stata command
[TABLES]	collect label	.....	Manage custom labels in a collection
[TABLES]	collect layout	.....	Specify table layout for the current collection
[TABLES]	collect levelsof	.....	List levels of a dimension
[TABLES]	collect notes	.....	Add table notes in a collection
[TABLES]	collect preview	.....	Preview the table in a collection
[TABLES]	collect query	.....	Query collection style properties
[TABLES]	collect recode	.....	Recode dimension levels in a collection
[TABLES]	collect remap	.....	Remap tags in a collection
[TABLES]	collect rename	.....	Rename a collection
[TABLES]	collect save	.....	Save a collection to disk
[TABLES]	collect set	.....	Set the current (active) collection
[TABLES]	collect stars	.....	Add stars for significant results in a collection
[TABLES]	collect style _cons	.....	Collection styles for intercept position
[TABLES]	collect style autolevels	.....	Collection styles for automatic dimension levels
[TABLES]	collect style cell	.....	Collection styles for cells
[TABLES]	collect style clear	.....	Clear all collection styles
[TABLES]	collect style column	.....	Collection styles for column headers
[TABLES]	collect style header	...	Collection styles for hiding and showing header components
[TABLES]	collect style html	.....	Collection styles for HTML files
[TABLES]	collect style notes	.....	Collection styles for table notes
[TABLES]	collect style putdocx	.....	Collection styles for putdocx
[TABLES]	collect style putpdf	.....	Collection styles for putpdf
[TABLES]	collect style row	.....	Collection styles for row headers
[TABLES]	collect style save	.....	Save collection styles to disk
[TABLES]	collect style showbase	.....	Collection styles for displaying base levels
[TABLES]	collect style showempty	.....	Collection styles for displaying empty cells
[TABLES]	collect style showomit	.....	Collection styles for displaying omitted coefficients
[TABLES]	collect style table	.....	Collection styles for table headers
[TABLES]	collect style tex	.....	Collection styles for L ^A T _E X files
[TABLES]	collect style title	.....	Collection styles for table titles
[TABLES]	collect style use	.....	Use collection styles from disk
[TABLES]	collect title	.....	Add a custom table title in a collection
[TABLES]	collect use	.....	Use a collection from disk
[TABLES]	Collection principles	.....	Tags, dimensions, levels, and layout from first principles
[R]	etable	.....	Create a table of estimation results
[TABLES]	Example 1	.....	Table of means, standard deviations, and correlations

[TABLES]	Example 2	Table of medians and rank-sum test results
[TABLES]	Example 3	Table of comparative summary statistics
[TABLES]	Example 4	Table of t test results
[TABLES]	Example 5	Table of regression coefficients and confidence intervals
[TABLES]	Example 6	Table comparing regression results
[TABLES]	Example 7	Table of regression results using survey data
[TABLES]	Predefined styles	Predefined collection styles
[TABLES]	set collect_double	Storage type settings for collections
[TABLES]	set collect_label	Label settings for collections
[TABLES]	set collect_style	Style settings for collections
[TABLES]	set collect_warn	Warning settings for collections
[TABLES]	set etable_style	Default style settings for etable
[TABLES]	set table_style	Default style settings for table
[R]	table intro	Introduction to tables of frequencies, summaries, and command results
[R]	table	Table of frequencies, summaries, and command results
[R]	table hypothesis tests	Table of hypothesis tests
[R]	table multiway	Multiway tables
[R]	table oneway	One-way tabulation
[R]	table regression	Table of regression results
[R]	table summary	Table of summary statistics
[R]	table twoway	Two-way tabulation

Automated document and report creation

[U]	Chapter 21	Creating reports
[RPT]	Appendix for putdocx	Appendix for putdocx entries
[RPT]	Appendix for putpdf	Appendix for putpdf entries
[RPT]	Intro	Introduction to reporting manual
[RPT]	docx2pdf	Convert a Word (.docx) document to a PDF file
[RPT]	Dynamic documents intro	Introduction to dynamic documents
[RPT]	Dynamic tags	Dynamic tags for text files
[RPT]	dyndoc	Convert dynamic Markdown document to HTML or Word (.docx) document
[RPT]	dyntext	Process Stata dynamic tags in text file
[RPT]	html2docx	Convert an HTML file to a Word (.docx) document
[RPT]	markdown	Convert Markdown document to HTML file or Word (.docx) document
[RPT]	putdocx begin	Create an Office Open XML (.docx) file
[RPT]	putdocx collect	Add a table from a collection to an Office Open XML (.docx) file
[RPT]	putdocx intro	Introduction to generating Office Open XML (.docx) files
[RPT]	putdocx pagebreak	Add breaks to an Office Open XML (.docx) file
[RPT]	putdocx paragraph	Add text or images to an Office Open XML (.docx) file
[RPT]	putdocx table	Add tables to an Office Open XML (.docx) file
[RPT]	putexcel	Export results to an Excel file
[RPT]	putexcel advanced	Export results to an Excel file using advanced syntax
[RPT]	putpdf begin	Create a PDF file
[RPT]	putpdf collect	Add a table from a collection to a PDF file
[RPT]	putpdf intro	Introduction to generating PDF files
[RPT]	putpdf pagebreak	Add breaks to a PDF file
[RPT]	putpdf paragraph	Add text or images to a PDF file
[RPT]	putpdf table	Add tables to a PDF file
[RPT]	set docx	Format settings for blocks of text

Interface features

[GS]	Chapter 1 (GSM, GSU, GSW)	Introducing Stata—sample session
[GS]	Chapter 2 (GSM, GSU, GSW)	The Stata user interface
[GS]	Chapter 3 (GSM, GSU, GSW)	Using the Viewer
[GS]	Chapter 6 (GSM, GSU, GSW)	Using the Data Editor
[GS]	Chapter 7 (GSM, GSU, GSW)	Using the Variables Manager
[GS]	Chapter 13 (GSM, GSU, GSW)	Using the Do-file Editor—automating Stata
[GS]	Chapter 15 (GSM, GSU, GSW)	Editing graphs
[P]	Dialog programming	Dialog programming
[R]	doedit	Edit do-files and other text files
[D]	edit	Browse or edit data with Data Editor
[P]	set locale_ui	Specify a localization package for the user interface
[P]	sleep	Pause for a specified time
[P]	smcl	Stata Markup and Control Language
[D]	unicode locale	Unicode locale utilities
[D]	varmanage	Manage variable labels, formats, and other properties
[P]	viewsource	View source code
[P]	window fopen	Display open/save dialog box
[P]	window manage	Manage window characteristics
[P]	window menu	Create menus
[P]	window programming	Programming menus and windows
[P]	window push	Copy command into History window
[P]	window stopbox	Display message box

Acronym glossary

2SIV	two-step instrumental variables
2SLS	two-stage least squares
3SLS	three-stage least squares
ADF	asymptotic distribution free
AFE	attributable fraction among the exposed
AFP	attributable fraction for the population
AFT	accelerated failure time
AIC	Akaike information criterion
AIDS	almost-ideal demand system
AIPW	augmented inverse-probability weights
ANCOVA	analysis of covariance
ANOVA	analysis of variance
APE	average partial effects
API	application programming interface
AR	autoregressive
AR(1)	first-order autoregressive
ARCH	autoregressive conditional heteroskedasticity
ARFIMA	autoregressive fractionally integrated moving average
ARIMA	autoregressive integrated moving average
ARMA	autoregressive moving average
ARMAX	autoregressive moving-average exogenous
ASCII	American Standard Code for Information Interchange
ASE	asymptotic standard error
ASF	average structural function
ASL	achieved significance level
ASM	average structural mean
ASP	average structural probability
ATE	average treatment effect
ATET	average treatment effect on the treated
AUC	area under the time–concentration curve
BC	bias corrected
BCa	bias-corrected and accelerated
BCC	boundary characteristic curve
BE	between effects
BFGS	Broyden–Fletcher–Goldfarb–Shanno
BHHH	Berndt–Hall–Hall–Hausman
BIC	Bayesian information criterion
BLOB	binary large object
BLUP	best linear unbiased prediction
BRR	balanced repeated replication
CA	correspondence analysis
CCC	category characteristic curve
CCI	conservative confidence interval
CCT	controlled clinical trial
CD	coefficient of determination
CDC	Centers for Disease Control and Prevention
CDF	cumulative distribution function
CES	constant elasticity of substitution
CFA	confirmatory factor analysis
CFI	comparative fit index
CI	conditional independence
CI	confidence interval
CIF	cumulative incidence function
CMA	cumulative meta-analysis

CMI	conditional mean independence
CMLE	conditional maximum likelihood estimates
CMYK	cyan, magenta, yellow, and key
CRD	cluster randomized design
ct	count time
cusum	cumulative sum
CV	coefficient of variation
CV	cross-validation
DA	data augmentation
DDD	difference in difference in differences
DDF	denominator degrees of freedom
DDFs	multiple denominator degrees of freedom
DEFF	design effect
DEFT	design effect (standard deviation metric)
DF	dynamic factor
df / d.f.	degree(s) of freedom
d.f.	distribution function
DFAR	dynamic factors with vector autoregressive errors
DFP	Davidon–Fletcher–Powell
DIC	deviance information criterion
DID	difference in differences
DLL	dynamic-link library
DML	double machine learning
DPD	dynamic panel data
DSGE	dynamic stochastic general equilibrium
EBCDIC	extended binary coded decimal interchange code
EGARCH	exponential GARCH
EGLS	estimated generalized least squares
EIM	expected information matrix
EM	expectation maximization
EPS	Encapsulated PostScript
ERM	extended regression model
ESS	effective sample size
ESS	error sum of squares
FCS	fully conditional specification
FD	first-differenced estimator
FDA	Food and Drug Administration
FE	fixed effects
FEVD	forecast-error variance decomposition
FGLS	feasible generalized least squares
FGNLS	feasible generalized nonlinear least squares
FIML	full information maximum likelihood
FIVE estimator	full-information instrumental-variables efficient estimator
flong	full long
flongsep	full long and separate
FMI	fraction of missing information
FMM	finite mixture model
FP	fractional polynomial
FPC	finite population correction
GARCH	generalized autoregressive conditional heteroskedasticity
GEE	generalized estimating equations
GEV	generalized extreme value
GHK	Geweke–Hajivassiliou–Keane
GHQ	Gauss–Hermite quadrature
GIF	Graphics Interchange Format
GLIM	generalized linear interactive modeling
GLLAMM	generalized linear latent and mixed models

GLM	generalized linear models
GLS	generalized least squares
GMM	generalized method of moments
GPCM	generalized partial credit model
GRM	graded response model
GS2SLS	generalized spatial two-stage least squares
GSEM	generalized structural equation modeling/model
GUI	graphical user interface
HAC	heteroskedasticity- and autocorrelation-consistent
HPD	highest posterior density
HR	hazard ratio
HSB	hue, saturation, and brightness
HSL	hue, saturation, and luminance
HSV	hue, saturation, and value
HTML	hypertext markup language
IC	information criteria
ICC	item characteristic curve
ICD-9	International Classification of Diseases, Ninth Revision
ICD-10	International Classification of Diseases, Tenth Revision
ICD-10-CM	International Classification of Diseases, Tenth Revision, Clinical Modification
ICD-10-PCS	International Classification of Diseases, Tenth Revision, Procedure Coding System
ICU	International Components for Unicode
IIA	independence of irrelevant alternatives
i.i.d.	independent and identically distributed
IIF	item information function
IPW	inverse-probability weighting
IPWRA	inverse-probability-weighted regression adjustment
IQR	interquartile range
IR	incidence rate
IRF	impulse–response function
IRLS	iterated, reweighted least squares
IRR	incidence-rate ratio
IRT	item response theory
IV	instrumental variables
JAR	Java Archive file
JCA	joint correspondence analysis
JDBC	Java Database Connectivity
JPEG	Joint Photographic Experts Group
JRE	Java Runtime Environment
JVM	Java Virtual Machine
LAPACK	linear algebra package
LASSO	least absolute shrinkage and selection operator
LAV	least absolute value
LCA	latent class analysis
LDA	linear discriminant analysis
LIML	limited-information maximum likelihood
LM	Lagrange multiplier
LOO	leave one out
LOWESS	locally weighted scatterplot smoothing
LR	likelihood ratio
LSB	least-significant byte
MA	moving average
MAD	minimum absolute deviation
MANCOVA	multivariate analysis of covariance
MANOVA	multivariate analysis of variance
MAR	missing at random

MCA	multiple correspondence analysis
MCAGHQ	mode-curvature adaptive Gauss–Hermite quadrature
MCAR	missing completely at random
MCE	Monte Carlo error
MCMC	Markov chain Monte Carlo
MCSE	MCMC standard errors
MDES	minimum detectable effect size
MDS	multidimensional scaling
ME	multiple equation
MEFF	misspecification effect
MEFT	misspecification effect (standard deviation metric)
MFP	multivariable fractional polynomial
MI / mi	multiple imputation
midp	mid- p -value
MIMIC	multiple indicators and multiple causes
MINQUE	minimum norm quadratic unbiased estimation
MIVQUE	minimum variance quadratic unbiased estimation
ML	maximum likelihood
MLE	maximum likelihood estimate
MLMV	maximum likelihood with missing values
mlong	marginal long
MM	method of moments
MNAR	missing not at random
MNL	multinomial logit
MNP	multinomial probit
MPL	modified profile likelihood
MS	mean square
MSAR	Markov-switching autoregression
MSB	most-significant byte
MSDR	Markov-switching dynamic regression
MSE	mean squared error
MSL	maximum simulated likelihood
MSS	model sum of squares
MUE	median unbiased estimates
MVAGHQ	mean–variance adaptive Gauss–Hermite quadrature
MVN	multivariate normal
MVREG	multivariate regression
NARCH	nonlinear ARCH
NHANES	National Health and Nutrition Examination Survey
NLS	nonlinear least squares
NPARCH	nonlinear power ARCH
NPMLE	nonparametric maximum-likelihood estimation
NR	Newton–Raphson
NRM	nominal response model
ODBC	Open DataBase Connectivity
OIM	observed information matrix
OIRF	orthogonalized impulse–response function
OLE	Object Linking and Embedding (Microsoft product)
OLS	ordinary least squares
OPG	outer product of the gradient
OR	odds ratio
PA	population averaged
PARCH	power ARCH
PCA	principal component analysis
PCM	partial credit model
PCSE	panel-corrected standard error
PDF	Portable Document Format
p.d.f.	probability density function
PFE	prevented fraction among the exposed

PFP	prevented fraction for the population
PH	proportional hazards
pk	pharmacokinetic data
p.m.f.	probability mass function
PMM	predictive mean matching
PNG	Portable Network Graphics
POM	potential-outcome means
PPP	posterior predictive p -value
PSS	power (precision) and sample size
PSU	primary sampling unit
QDA	quadratic discriminant analysis
QML	quasimaximum likelihood
RA	regression adjustment
rc	return code
RCT	randomized controlled trial
RE	random effects
REML	restricted (or residual) maximum likelihood
RESET	regression specification-error test
RGB	red, green, and blue
RMSE	root mean squared error
RMSEA	root mean squared error of approximation
RNG	random-number generator
ROC	receiver operating characteristic
ROP	rank-ordered probit
ROT	rule of thumb
RR	relative risk
RRR	relative-risk ratio
RSM	rating scale model
RSS	residual sum of squares
RUM	random utility model
RVI	relative variance increase
SAARCH	simple asymmetric ARCH
SAR	spatial autoregressive, simultaneous autoregressive, or spatial or simultaneous autoregression, depending on context
SARAR	spatial autoregressive model with spatial autoregressive disturbances
SARIMA	seasonal ARIMA
s.d.	standard deviation
SE / s.e.	standard error
SEM	structural equation modeling/model
SF	static factor
SFAR	static factors with vector autoregressive errors
SIR	standardized incidence ratio
SJ	Stata Journal
SMCL	Stata Markup and Control Language
SMR	standardized mortality/morbidity ratio
SMSA	standard metropolitan statistical area
SOR	standardized odds ratio
SQL	Structured Query Language
SRD	standardized rate difference
SRMR	standardized root mean squared residual
SRR	standardized risk ratio
SRS	simple random sample/sampling
SRSWR	SRS with replacement
SSC	Statistical Software Components
SSCP	sum of squares and cross products
SSD	summary statistics data
SSU	secondary sampling unit
st	survival time
STB	Stata Technical Bulletin

STS	structural time series
SUR	seemingly unrelated regression
SURE	seemingly unrelated regression estimation
SUTVA	stable unit treatment value assumption
SVAR	structural vector autoregressive model
SVD	singular value decomposition
SVG	scalable vector graphics
TACC	treatment-arm continuity correction
TAR	target acceptance rate
TARCH	threshold ARCH
TCC	test characteristic curve
TDT	transmission/disequilibrium test
TIF	test information function
TIFF	tagged image file format
TLI	Tucker–Lewis index
TSS	total sum of squares
UCA	Unicode Collation Algorithm
UCM	unobserved-components model
UI	user interface
UTF-8	Universal character set + Transformation Format—8-bit
VAR	vector autoregressive model
VAR(1)	first-order vector autoregressive
VARMA	vector autoregressive moving average
VARMA(1,1)	first-order vector autoregressive moving average
VCE	variance–covariance estimate
VECM	vector error-correction model
VIF	variance inflation factor
WLC	worst linear combination
WLF	worst linear function
WLS	weighted least squares
WNLS	weighted nonlinear least squares
wrt	with respect to
XML	Extensible Markup Language
ZINB	zero-inflated negative binomial
ZIOL	zero-inflated ordered logit
ZIOP	zero-inflated ordered probit
ZIP	zero-inflated Poisson
ZTNB	zero-truncated negative binomial
ZTP	zero-truncated Poisson

Vignette index

- Aalen, O. O. (1947–), [ST] **sts**
Agnesi, M. G. (1718–1799), [R] **dydx**
Aitken, A. C. (1895–1967), [R] **reg3**
Akaike, H. (1927–2009), [R] **estat ic**
Arellano, M. (1957–), [XT] **xtabond**
- Bartlett, M. S. (1910–2002), [TS] **wntestb**
Bayarri, M. J. (1956–2014), [BAYES] **bayesstats**
ppvalues
Bayes, T. (1701(?)–1761), [BAYES] **Intro**
Berkson, J. (1899–1982), [R] **logit**
Birnbaum, A. (1923–1976), [IRT] **irt**
Blackwell, D. H. (1919–2010), [BAYES] **Intro**
Bliss, C. I. (1899–1979), [R] **probit**
Bond, S. R. (1963–), [XT] **xtabond**
Bonferroni, C. E. (1892–1960), [R] **correlate**
Box, G. E. P. (1919–2013), [TS] **arima**
Breusch, T. S. (1953–), [R] **regress postestimation**
time series
Brier, G. W. (1913–1998), [R] **brier**
- Casella, G. (1951–2012), [ME] **me**
Cauchy, A.-L. (1789–1857), [FN] **Statistical functions**
Cholesky, A.-L. (1875–1918), [M-5] **cholesky()**
Cleveland, W. S. (1943–), [R] **lowess**
Cochran, W. G. (1909–1980), [SVY] **Survey**
Cochrane, D. (1917–1983), [TS] **prais**
Cohen, J. (1923–1998), [R] **kappa**
Cornfield, J. (1912–1979), [R] **Epitab**
Cox, D. R. (1924–2022), [ST] **stcox**
Cox, G. M. (1900–1978), [R] **anova**
Cronbach, L. J. (1916–2001), [MV] **alpha**
Cunliffe, S. (1917–2012), [R] **ttest**
- David, F. N. (1909–1993), [R] **correlate**
de Finetti, B. (1906–1985), [BAYES] **Intro**
dendrogram, [MV] **cluster dendrogram**
Dickey, D. A. (1945–), [TS] **dfuller**
Dunn, O. J. (1915–2008), [R] **correlate**
Dunnett, C. W. (1921–2007), [FN] **Statistical functions**
Durbin, J. (1923–2012), [R] **regress postestimation time series**
- Efron, B. (1938–), [R] **bootstrap**
Engle, R. F. (1942–), [TS] **arch**
- Fisher, R. A. (1890–1962), [R] **anova**
Fourier, J. B. J. (1768–1830), [R] **cumul**
Fuller, W. A. (1931–), [TS] **dfuller**
- Gabriel, K. R. (1929–2003), [MV] **biplot**
Galton, F. (1822–1911), [R] **regress**
Gauss, J. C. F. (1777–1855), [R] **regress**
Gnanadesikan, R. (1932–2015), [R] **Diagnostic plots**
- Godfrey, L. G. (1946–), [R] **regress postestimation**
time series
Gompertz, B. (1779–1865), [ST] **streg**
Gosset, W. S. (1876–1937), [R] **ttest**
Gower, J. C. (1930–2019), [MV] **measure_option**
Granger, C. W. J. (1934–2009), [TS] **vargranger**
Graunt, J. (1620–1674), [ST] **ltable**
Greenwood, M. (1880–1949), [ST] **sts**
- Hadamard, J. S. (1865–1963), [FN] **Matrix functions**
Haenszel, W. M. (1910–1998), [ST] **strate**
Halley, E. (1656–1742), [ST] **ltable**
Halton, J. H. (1931–), [M-5] **halton()**
Hammersley, J. M. (1920–2004), [M-5] **halton()**
Hartley, H. O. (1912–1980), [MI] **mi impute**
Harvey, A. C. (1947–), [TS] **ucm**
Hastings, W. K. (1930–2016), [BAYES] **bayesmh**
Hausman, J. A. (1946–), [R] **hausman**
Hays, W. L. (1926–1995), [R] **esize**
Heckman, J. J. (1944–), [R] **heckman**
Henderson, C. R. (1911–1989), [ME] **mixed**
Hermite, C. (1822–1901), [M-5] **issymmetric()**
Hesse, L. O. (1811–1874), [M-5] **moptimize()**
Hessenberg, K. A. (1904–1959), [M-5] **hessenbergd()**
Hilbert, D. (1862–1943), [M-5] **Hilbert()**
Hopper, G. M. (1906–1992), [P] **trace**
Hotelling, H. (1895–1973), [MV] **hotelling**
Householder, A. S. (1904–1993), [M-5] **qrd()**
Huber, P. J. (1934–), [U] **20 Estimation and**
postestimation commands
- Jaccard, P. (1868–1944), [MV] **measure_option**
Jacobi, C. G. J. (1804–1851), [M-5] **deriv()**
Jeffreys, H. (1891–1989), [BAYES] **bayesmh**
Jenkins, G. M. (1933–1982), [TS] **arima**
Johansen, S. (1939–), [TS] **vecrank**
- Kaiser, H. F. (1927–1992), [MV] **rotate**
Kaplan, E. L. (1920–2006), [ST] **sts**
Kendall, M. G. (1907–1983), [R] **spearman**
Kerlinger, F. N. (1910–1991), [R] **esize**
King, A. A. (1815–1852), [M-2] **Intro**
Kish, L. (1910–2000), [SVY] **Survey**
Kolmogorov, A. N. (1903–1987), [R] **ksmirnov**
Kronecker, L. (1823–1891), [M-2] **op_kronecker**
Kruskal, J. B. (1928–2010), [MV] **mds**
Kruskal, W. H. (1919–2005), [R] **kwallis**
Kublanovskaya, V. N. (1920–2012), [M-5] **qrd()**
- Lane-Clayton, J. E. (1877–1967), [R] **Epitab**
Laplace, P.-S. (1749–1827), [R] **regress**
Legendre, A.-M. (1752–1833), [R] **regress**
Lexis, W. (1837–1914), [ST] **stsplit**
Linsley, E. G. (1910–2000), [MV] **cluster dendrogram**
Lord, F. M. (1912–2000), [IRT] **irt**
Lorenz, M. O. (1876–1959), [R] **Inequality**
Loutit, I. (1909–2009), [R] **QC**
Lovelace, A. (1815–1852), [M-2] **Intro**

- Mahalanobis, P. C. (1893–1972), [MV] **hotelling**
- Mann, H. B. (1905–2000), [R] **ranksum**
- Mantel, N. (1919–2002), [ST] **strate**
- Markov, A. (1856–1922), [BAYES] **Intro**
- Marquardt, D. W. (1929–1997), [M-5] **moptimize()**
- Martin, M. E. (1912–2012), [SVY] **svy: tabulate oneway**
- martingale, [ST] **stcox postestimation**
- Mayr, E. W. (1904–2005), [MV] **cluster dendrogram**
- McFadden, D. L. (1937–), [CM] **cmclogit**
- McNemar, Q. (1900–1986), [R] **Epitab**
- Meier, P. (1924–2011), [ST] **sts**
- Metropolis, N. C. (1915–1999), [BAYES] **bayesmh**
- Moore, E. H. (1862–1932), [M-5] **pinv()**
- Murill, W. A. (1867–1957), [MV] **discrim knn**
- Nelder, J. A. (1924–2010), [R] **glm**
- Nelson, W. B. (1936–), [ST] **sts**
- Newey, W. K. (1954–), [TS] **newey**
- Newton, I. (1643–1727), [M-5] **optimize()**
- Neyman, J. (1894–1981), [R] **ci**
- Nightingale, F. (1820–1910), [G-2] **graph pie**
- Norwood, J. L. (1923–2015), [R] **Intro**
- Orcutt, G. H. (1917–2006), [TS] **prais**
- Pearson, K. (1857–1936), [R] **correlate**
- Penrose, R. (1931–), [M-5] **pinv()**
- Perron, P. (1959–), [TS] **pperron**
- Phillips, P. C. B. (1948–), [TS] **pperron**
- Playfair, W. (1759–1823), [G-2] **graph pie**
- Poisson, S.-D. (1781–1840), [R] **poisson**
- Prais, S. J. (1928–2014), [TS] **prais**
- Raphson, J. (1648–1715), [M-5] **optimize()**
- Rubin, D. B. (1943–), [MI] **Intro substantive**
- Sargan, J. D. (1924–1996), [R] **ivregress postestimation**
- Scheffé, H. (1907–1977), [R] **oneway**
- Schur, I. (1875–1941), [M-5] **schurd()**
- Schwarz, G. E. (1933–2007), [R] **estat ic**
- Scott, E. L. (1917–1988), [R] **Intro**
- scree, [MV] **screepplot**
- Searle, S. R. (1928–2013), [ME] **me**
- Shapiro, S. S. (1930–2023), [R] **swilk**
- Shepard, R. N. (1929–), [MV] **mds postestimation plots**
- Shewhart, W. A. (1891–1967), [R] **QC**
- Šidák, Z. (1933–1999), [R] **correlate**
- Simpson, T. (1710–1761), [M-5] **optimize()**
- singular value decompositions, [M-5] **svd()**
- Smirnov, N. V. (1900–1966), [R] **ksmirnov**
- Sneath, P. H. A. (1923–2011), [MV] **measure_option**
- Snow, J. (1813–1858), [R] **Epitab**
- Sokal, R. R. (1926–2012), [MV] **measure_option**
- Spearman, C. E. (1863–1945), [R] **spearman**
- Theil, H. (1924–2000), [R] **reg3**
- Thiele, T. N. (1838–1910), [R] **summarize**
- Tobin, J. (1918–2002), [R] **tobit**
- Toeplitz, O. (1881–1940), [M-5] **Toeplitz()**
- Tukey, J. W. (1915–2000), [R] **jackknife**
- Usinger, R. L. (1912–1968), [MV] **cluster dendrogram**
- Vandermonde, A.-T. (1735–1796), [M-5] **Vandermonde()**
- Wald, A. (1902–1950), [TS] **varwle**
- Wallis, W. A. (1912–1998), [R] **kwallis**
- Ward, J. H., Jr. (1926–2011), [MV] **cluster linkage**
- Watson, G. S. (1921–1998), [R] **regress postestimation time series**
- Wedderburn, R. W. M. (1947–1975), [R] **glm**
- Weibull, E. H. W. (1887–1979), [ST] **streg**
- West, K. D. (1953–), [TS] **newey**
- White, H. L., Jr. (1950–2012), [U] **20 Estimation and postestimation commands**
- Whitney, D. R. (1915–2007), [R] **ranksum**
- Wilcoxon, F. (1892–1965), [R] **signrank**
- Wilk, M. B. (1922–2013), [R] **Diagnostic plots**
- Wilks, S. S. (1906–1964), [MV] **manova**
- Wilson, E. B. (1879–1964), [R] **ci**
- Winsten, C. B. (1923–2005), [TS] **prais**
- Wishart, J. (1898–1956), [FN] **Statistical functions**
- Woolf, B. (1902–1983), [R] **Epitab**
- Wright, B. D. (1926–2015), [IRT] **irt**
- Zellner, A. (1927–2010), [R] **sureg**

Author index

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z

A

- Aalen, O. O., [ST] **sterreg** postestimation, [ST] **sts**
Abadie, A., [TE] **DID** intro, [TE] **didregress**,
[TE] **teffects** intro advanced, [TE] **teffects**
multivalued, [TE] **teffects** **nnmatch**,
[TE] **teffects** **psmatch**
Abayomi, K. A., [MI] **Intro** substantive, [MI] **mi**
impute
Abe, M., [CM] **cmmixlogit**, [CM] **cmxtmixlogit**
Abraham, B., [TS] **tssmooth**, [TS] **tssmooth**
dexponential, [TS] **tssmooth** **exponential**,
[TS] **tssmooth** **hwinters**, [TS] **tssmooth**
shwinters
Abraira, V., [R] **logit** postestimation
Abrami, P. C., [META] **Intro**
Abramowitz, M., [FN] **Mathematical functions**,
[R] **contrast**, [R] **orthog**
Abramowitz, S. K., [R] **anova**, [R] **oneway**, [R] **ttest**
Abrams, K. R., [META] **Intro**, [META] **meta**
funnelplot, [META] **meta** **bias**, [META] **meta**
trimfill, [META] **meta** **mvregress**, [ST] **streg**
Abramson, M. J., [META] **meta** **data**
Abrevaya, J., [R] **boxcox** postestimation
Abrigo, M. R. M., [TS] **var**
Achana, F., [D] **icd**
Achen, C. H., [R] **scobit**
Achenback, T. M., [MV] **mvtest**
Acock, A. C., [MV] **alpha**, [R] **anova**, [R] **correlate**,
[R] **nestreg**, [R] **oneway**, [R] **prtest**,
[R] **ranksum**, [R] **ttest**, [SEM] **Intro** 4,
[SEM] **Intro** 5, [SEM] **Intro** 6, [SEM] **Intro** 11,
[SEM] **Example** 1, [SEM] **Example** 3,
[SEM] **Example** 7, [SEM] **Example** 9,
[SEM] **Example** 18, [SEM] **Example** 20
Ades, A. E., [META] **meta** **mvregress**
Adkins, L. C., [R] **heckman**, [R] **regress**, [R] **regress**
postestimation, [TS] **arch**
Afifi, A. A., [MV] **canon**, [MV] **discrim**, [MV] **factor**,
[MV] **pca**, [R] **anova**, [R] **stepwise**,
[U] 20.26 References
Agnesi, M. G., [R] **dydx**
Agresti, A., [ME] **me**, [PSS-2] **power** **oneproportion**,
[PSS-2] **power** **twoproportions**, [PSS-2] **power**
pairedproportions, [PSS-2] **power** **trend**,
[R] **ci**, [R] **Epitab**, [R] **expoisson**, [R] **nptrend**,
[R] **tabulate** **twoway**, [XT] **xtmlogit**
Aguilar, R., [META] **Intro**
Ahn, C., [PSS-2] **power** **onemean**, **cluster**,
[PSS-2] **power** **twomeans**, **cluster**,
[PSS-2] **power** **oneproportion**, **cluster**,
[PSS-2] **power** **twoproportions**, **cluster**,
[R] **prtest**, [R] **ztest**
Ahn, S. K., [TS] **vec** **intro**
Ahrens, A., [LASSO] **Lasso** **intro**
Ahrens, J. H., [FN] **Random-number functions**
Aielli, G. P., [TS] **mgarch**, [TS] **mgarch** **dcc**
Aigner, D. J., [R] **frontier**, [XT] **xtfrontier**
Aiken, L. S., [R] **pcorr**
Aisbett, C. W., [ST] **stcox**, [ST] **streg**
Aitchison, J., [BAYES] **Intro**, [R] **hetoprobbit**,
[R] **ologit**, [R] **oprobit**
Aitken, A. C., [R] **reg3**
Aitkin, M. A., [MV] **mvtest** **correlations**
Aivazian, S. A., [R] **ksmirnov**
Aizen, M. A., [META] **Intro**
Akaike, H., [MV] **factor** postestimation, [R] **BIC**
note, [R] **estat** **ic**, [R] **glm**, [SEM] **estat** **gof**,
[SEM] **estat** **lcgof**, [SEM] **Methods** and
formulas for **sem**, [ST] **streg**, [TS] **varsec**
Akhtar-Danesh, N., [MV] **factor**, [MV] **rotate**
Akman, V. E., [BAYES] **bayesmh**
Albert, A., [MI] **mi** **impute**, [MV] **discrim**,
[MV] **discrim** **logistic**
Albert, P. S., [XT] **xtgee**
Aldenderfer, M. S., [MV] **cluster**
Alder, C., [R] **mlogit**
Alderman, M. H., [PSS-2] **power** **repeated**
Aldrich, J. H., [R] **logit**, [R] **probit**
Alejo, J., [R] **QC**, [R] **sktest**, [TE] **teffects** **psmatch**,
[XT] **xtreg**, [XT] **xtreg** postestimation
Alexander, J. T., [R] **mlext**
Alf, E., Jr., [R] **rocfit**, [R] **rocreg**
Alfani, G., [R] **Inequality**, [R] **roctab**
Alfaro, R., [MI] **Intro**
Algina, J., [R] **esize**
Allredge, J. R., [R] **pk**, [R] **pkcross**
Allen, M. J., [MV] **alpha**
ALLHAT Officers and Coordinators for the ALLHAT
Collaborative Research Group, [PSS-2] **power**
repeated
Allison, M. J., [MV] **manova**
Allison, P. D., [CM] **cmrologit**, [MI] **Intro** substantive,
[MI] **mi** **impute**, [R] **hetoprobbit**, [R] **testnl**,
[ST] **Discrete**, [ST] **stcox** **PH-assumption** tests,
[XT] **xtabond**, [XT] **xtddp**, [XT] **xtddpsys**,
[XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**,
[XT] **xtpoisson**, [XT] **xtreg**
Almås, I., [R] **Inequality**
Aloisio, K. M., [MI] **mi** **estimate**, [MI] **mi** **impute**,
[XT] **xtgee**
Alonzo, T. A., [R] **rocreg**, [R] **rocreg** postestimation,
[R] **rocregplot**
Altman, D. G., [META] **Intro**, [META] **Intro**,
[META] **meta**, [META] **meta** **forestplot**,
[META] **meta** **summarize**, [META] **meta**
regress, [META] **meta** **funnelplot**, [META] **meta**
bias, [META] **meta** **trimfill**, [META] **meta**
mvregress, [META] **Glossary**, [R] **anova**, [R] **fp**,
[R] **kappa**, [R] **kwallis**, [R] **mfp**, [R] **nptrend**,
[R] **oneway**
Alvarez, J., [XT] **xtabond**

- Alvarez, R. M., [R] **hetoprobit**
- Alvarez-Pedrerol, M., [LASSO] **Lasso intro**, [LASSO] **Inference examples**, [M-5] **LinearProgram()**
- Alwin, D. F., [SEM] **Example 9**
- Ambler, G., [R] **mfp**
- Amemiya, T., [CM] **nlogit**, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eregress**, [R] **ivprobit**, [R] **tobit**, [TS] **varsoc**, [XT] **xthheckman**, [XT] **xhtaylor**, [XT] **xtivreg**
- Amisano, G., [TS] **irf create**, [TS] **var intro**, [TS] **var svar**, [TS] **vargranger**, [TS] **varwle**
- Ampe, B., [ME] **meintreg**
- An, S., [TS] **arfima**
- Anatolyev, S., [R] **ivregress**
- Anderberg, M. R., [MV] **cluster**, [MV] **measure_option**
- Andersen, A., [MI] **mi impute chained**
- Andersen, E. B., [R] **clogit**, [XT] **xtmlogit**
- Andersen, E. D., [M-5] **LinearProgram()**
- Andersen, K. D., [M-5] **LinearProgram()**
- Andersen, P. K., [R] **glm**, [ST] **stcox**, [ST] **sterreg**
- Anderson, B. D. O., [TS] **sspace**
- Anderson, E., [M-1] **LAPACK**, [M-5] **lapack()**, [MV] **clustermat**, [MV] **discrim estat**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **mvtest**, [MV] **mvtest normality**, [P] **matrix eigenvalues**
- Anderson, J. A., [MI] **mi impute**, [R] **ologit**, [R] **slogit**
- Anderson, K. M., [ST] **stintcox**, [ST] **stintreg**
- Anderson, M. L., [ST] **sterreg**
- Anderson, R. E., [CM] **Intro 6**, [CM] **cmrologit**
- Anderson, R. L., [R] **anova**
- Anderson, S., [R] **pkequiv**
- Anderson, S. J., [R] **ziologit**, [R] **ziologit postestimation**, [R] **zioprobit**
- Anderson, T. W., [MI] **Intro substantive**, [MV] **discrim**, [MV] **manova**, [MV] **pca**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [R] **ivregress postestimation**, [TS] **vec**, [TS] **vecrank**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xtivreg**
- Andersson, T. M.-L., [ST] **Survival analysis**, [ST] **stcox**
- Andresen, M. E., [TE] **Intro**
- Andréß, H.-J., [XT] **xt**
- Andrews, D. F., [D] **egen**, [MV] **discrim lda postestimation**, [MV] **discrim qda**, [MV] **discrim qda postestimation**, [MV] **manova**, [R] **rreg**, [SEM] **Example 52g**
- Andrews, D. W. K., [R] **gmm**, [R] **Inequality**, [R] **ivregress**, [TS] **estat sbingle**
- Andrews, M. J., [ME] **meglm**, [ME] **melogit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **mestreg**, [ME] **mixed**, [XT] **xtnreg**
- Andrich, D., [IRT] **irt rsm**, [SEM] **Example 28g**
- Andrieu, C., [BAYES] **Intro**, [BAYES] **bayesmh**
- Ängquist, L., [G-2] **graph combine**, [R] **bootstrap**, [R] **permute**
- Angrist, J. D., [ERM] **eintreg**, [ERM] **eprobit**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **qreg**, [R] **regress**, [TE] **DID intro**, [TE] **didregress**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**, [TE] **teffects intro advanced**, [U] **20.26 References**
- Anscombe, F. J., [R] **binreg postestimation**, [R] **glm**, [R] **glm postestimation**
- Anselin, L., [SP] **Intro**, [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
- Ansley, C. F., [TS] **arima**
- Antczak-Bouckoms, A., [META] **meta**, [META] **meta mvregress**
- Antes, G., [META] **Intro**
- Antman, E. M., [META] **Intro**, [META] **meta**, [META] **meta summarize**, [META] **meta regress**
- Anzures-Cabrera, J., [META] **meta forestplot**, [META] **meta galbraithplot**, [META] **meta labbeplot**
- Aragon, J., [ST] **stintcox**, [ST] **stintreg**
- Arbuthnott, J., [R] **signrank**
- Archer, K. J., [R] **estat gof**, [R] **logistic**, [R] **logit**, [SVY] **estat**
- Archibald, J. D., [MV] **cluster dendrogram**
- Arellano, M., [R] **areg postestimation**, [R] **gmm**, [XT] **xtabond**, [XT] **xtcloglog**, [XT] **xtdpd**, [XT] **xtdpd postestimation**, [XT] **xtdpdsys**, [XT] **xtdpdsys postestimation**, [XT] **xtivreg**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtnreg**, [XT] **xtstreg**
- Arends, L. R., [META] **meta mvregress**
- Arendt, J. N., [ERM] **eprobit**
- Arminger, G., [R] **suest**
- Armitage, P., [META] **meta esize**, [META] **meta summarize**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power cmh**, [PSS-2] **power trend**, [R] **ameans**, [R] **expoissn**, [R] **nptrend**, [R] **pkcross**, [R] **sdtest**
- Armstrong, B., [META] **meta mvregress**
- Armstrong, R. D., [R] **qreg**
- Arnold, B. C., [MI] **Intro substantive**, [MI] **mi impute chained**
- Arnold, S. F., [MV] **manova**
- Arnqvist, G., [META] **Intro**
- Aronow, W. S., [ME] **mestreg**
- Arora, S. S., [XT] **xtivreg**, [XT] **xtnreg**
- Arraiz, I., [SP] **Intro**, [SP] **spivregress**, [SP] **spregress**
- Arseven, E., [MV] **discrim lda**
- Arthur, M., [R] **symmetry**
- Asali, M., [TS] **var intro**
- Assaad, H., [ME] **menl**
- Atchadé, Y. F., [BAYES] **Intro**, [BAYES] **bayesmh**
- Atella, V., [M-5] **LinearProgram()**, [R] **frontier**, [XT] **xtfrontier**
- Aten, B., [XT] **xtunitroot**

Atkinson, A. C., [FN] **Random-number functions**,
[R] **boxcox**, [R] **nl**
Austin, P. C., [TE] **tebalance**
Azen, S. P., [R] **anova**, [U] **20.26 References**
Aznar, A., [TS] **vecrank**

B

Babiker, A. G., [PSS-2] **Intro (power)**, [PSS-2] **power cox**, [R] **Epitab**, [ST] **sts test**
Babin, B. J., [CM] **Intro 6**, [CM] **cmrologit**
Babu, A. J. G., [FN] **Random-number functions**
Badinger, H., [SP] **Intro**, [SP] **spivregress**,
[SP] **spmatrix spfrommata**, [SP] **spregress**
Badunenko, O., [M-5] **LinearProgram()**, [R] **frontier**
Baetschmann, G., [R] **ologit**, [XT] **xtologit**
Bago D'Uva, T., [FMM] **fnm intro**
Bagozzi, B. E., [R] **zioprobit**
Bai, X., [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects vra**
Bai, Z., [M-1] **LAPACK**, [M-5] **lapack()**, [P] **matrix eigenvalues**
Bailey, W. C., [META] **meta mvregress**
Baillie, R. T., [TS] **arfima**
Baker, F. B., [IRT] **irt**, [IRT] **irt nrm**
Baker, M. J., [BAYES] **Bayesian commands**
Baker, R. D., [R] **signrank**
Baker, R. J., [R] **glm**
Baker, R. M., [R] **ivregress postestimation**
Bakker, A., [R] **mean**
Balaam, L. N., [R] **pkcross**
Balakrishnan, N., [FN] **Statistical functions**
Baldus, W. P., [ST] **stcrreg**
Baldwin, S., [ME] **mixed**, [ME] **mixed postestimation**, [MV] **factor**, [MV] **factor postestimation**, [R] **anova**, [R] **contrast**, [R] **esize**, [R] **marginsplot**, [R] **pwcompare**, [SEM] **estat ginvariant**, [SEM] **estat gof**, [SEM] **sem**, [SEM] **sem postestimation**
Balestra, P., [XT] **xtivreg**
Balía, S., [FMM] **fnm intro**
Ballantyne, A., [R] **ologit**, [XT] **xtologit**
Baller, R. D., [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
Ballintijn, J. F., [M-5] **LinearProgram()**
Balov, N.,
[BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats grubin**, [BAYES] **bayes: logistic**, [BAYES] **bayes: logit**, [IRT] **irt**, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [TS] **threshold**

Baltagi, B. H., [ERM] **eregress**, [ME] **mixed**, [R] **hausman**, [SP] **Intro**, [SP] **spxtregress**, [XT] **xt**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xhtaylor**, [XT] **xhtaylor postestimation**, [XT] **xtivreg**, [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtreg**, [XT] **xtreg postestimation**, [XT] **xtregar**, [XT] **xtunitroot**
Bamber, D., [R] **rocf**, [R] **rocfit**, [R] **rocregplot**, [R] **roctab**
Bańbura, M., [BAYES] **bayes: var**
Bancroft, T. A., [R] **stepwise**
Banerjee, A., [XT] **xtunitroot**
Bang, H., [TE] **teffects intro advanced**
Barbin, É., [M-5] **cholesky()**
Barlow, R. E., [BAYES] **Intro**
Barnard, G. A., [R] **spearman**, [R] **ttest**
Barnard, J., [MI] **Intro substantive**, [MI] **mi estimate**, [MI] **mi estimate using**, [MI] **mi predict**, [MI] **mi test**
Barnett, A. G., [R] **glm**
Barnow, B. S., [TE] **etregress**
Baron, R. M., [SEM] **Example 42g**
Barrett, J. H., [PSS-2] **Intro (power)**
Barrick, M. R., [META] **Intro**
Barrison, I. G., [R] **binreg**
Barthel, F. M.-S., [PSS-2] **Intro (power)**, [PSS-2] **power cox**, [ST] **stcox PH-assumption tests**
Bartlett, J. W., [MI] **mi impute**, [MI] **mi impute chained**
Bartlett, M. S., [MV] **factor**, [MV] **factor postestimation**, [MV] **Glossary**, [R] **oneway**, [TS] **wntestb**
Barton, C. N., [PSS-2] **power repeated**
Bartus, T., [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [R] **margins**, [SEM] **Intro 5**, [SEM] **gsem**, [XT] **xthekman**
Basagaña, X., [LASSO] **Lasso intro**, [LASSO] **Inference examples**, [M-5] **LinearProgram()**
Basford, K. E., [G-2] **graph matrix**, [ME] **me**, [ME] **melogit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **mestreg**
Basilevsky, A. T., [MV] **factor**, [MV] **pca**
Basmann, R. L., [R] **ivregress**, [R] **ivregress postestimation**
Bassett, G., Jr., [M-5] **LinearProgram()**
Basu, A., [R] **betareg**, [R] **glm**, [TE] **eteffects**
Bataille, E., [IRT] **irt**
Bates, D. M., [ME] **me**, [ME] **meglm**, [ME] **menl**, [ME] **menl postestimation**, [ME] **mixed**, [ME] **mixed**, [ME] **mixed postestimation**, [ME] **Glossary**, [META] **meta mvregress**
Batistatou, E., [PSS-2] **power**
Battese, G. E., [XT] **xtfrontier**
Bauldry, S., [R] **ivregress**, [R] **ologit**, [R] **oprobit**, [SEM] **Intro 5**

- Baum, C. F., [D] **cross**, [D] **fillin**, [D] **icd**, [D] **joinby**, [D] **reshape**, [D] **separate**, [D] **stack**, [D] **xpose**, [FMM] **fmm intro**, [M-0] **Intro**, [M-1] **Intro**, [MV] **mvtest**, [MV] **mvtest normality**, [P] **Intro**, [P] **levelsof**, [R] **gmm**, [R] **heckman**, [R] **heckoprobit**, [R] **heckprobit**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **margins**, [R] **regress postestimation**, [R] **regress postestimation time series**, [R] **ssc**, [SP] **spmatrix**, [SP] **spregress**, [TS] **Time series**, [TS] **arch**, [TS] **arfima**, [TS] **arima**, [TS] **dfgls**, [TS] **dfuller**, [TS] **forecast**, [TS] **mgarch**, [TS] **mswitch**, [TS] **pperron**, [TS] **rolling**, [TS] **sspace**, [TS] **threshold**, [TS] **tsfilter**, [TS] **ucm**, [TS] **var**, [TS] **var svar**, [TS] **vargranger**, [TS] **vec**, [U] **11.7 References**, [U] **16.5 References**, [U] **18.14 References**, [U] **20.26 References**, [XT] **xtgls**, [XT] **xtreg**, [XT] **xtunitroot**
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- Bauwens, L., [TS] **mgarch**
- Baxter, M., [TS] **tsfilter**, [TS] **tsfilter bk**, [TS] **tsfilter cf**
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- Bayart, D., [R] **QC**
- Bayes, T., [BAYES] **Intro**
- Beal, S. L., [ME] **menl**
- Beale, E. M. L., [R] **stepwise**, [R] **test**
- Beall, G., [MV] **mvtest**, [MV] **mvtest covariances**
- Bean, J. A., [PSS-2] **power cmh**
- Beaton, A. E., [R] **rreg**
- Beck, N. L., [XT] **xtgls**, [XT] **xtpcse**
- Becker, B. J., [META] **Intro**, [META] **meta funnelplot**, [META] **meta mvregress**
- Becker, R. A., [G-2] **graph matrix**
- Becker, S. O., [TE] **teffects intro advanced**
- Beckett, S., [R] **regress**, [R] **runtest**, [R] **spearman**, [TS] **Time series**, [TS] **arch**, [TS] **arima**, [TS] **corrgram**, [TS] **dfuller**, [TS] **irf**, [TS] **prais**, [TS] **tssmooth**, [TS] **var intro**, [TS] **var svar**, [TS] **vec intro**, [TS] **vec**
- Beerstecher, E., [MV] **manova**
- Begg, C. B., [META] **Intro**, [META] **meta bias**, [META] **meta trimfill**, [META] **Glossary**
- Beggs, S., [CM] **Intro 6**, [CM] **cmrlogit**
- Belanger, A. J., [R] **sktest**, [R] **swilk**
- Bell, R. M., [TE] **DID intro**, [TE] **didregress**
- Bellman, R. E., [MV] **Glossary**
- Bello-Gomez, R. A., [TE] **DID intro**, [TE] **didregress**
- Bellocco, R., [R] **Epitab**, [R] **glm**, [R] **logit**, [XT] **xtgee**
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- Belotti, F., [M-5] **LinearProgram()**, [R] **churdle**, [R] **frontier**, [R] **jackknife**, [R] **tobit**, [SP] **Intro**, [XT] **xtfrontier**
- Belsley, D. A., [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [U] **18.14 References**
- Beltrami, E., [M-5] **svd()**
- Ben-Akiva, M., [CM] **cmmixlogit**, [CM] **cmxtmixlogit**
- Bendel, R. B., [R] **stepwise**
- Bender, R., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**
- Benedetti, J. K., [R] **tetrachoric**
- Beniger, J. R., [G-2] **graph bar**, [G-2] **graph pie**, [G-2] **graph twoway histogram**, [R] **cumul**
- Bennett, K. J., [R] **nbreg**, [R] **poisson**
- Benson, D., [R] **ivregress**
- Bentham, G., [ME] **menbreg**, [ME] **mepoisson**, [SEM] **Example 39g**
- Bentler, P. M., [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**, [SEM] **Intro 4**, [SEM] **Intro 7**, [SEM] **Intro 9**, [SEM] **estat eggof**, [SEM] **estat framework**, [SEM] **estat gof**, [SEM] **estat stable**, [SEM] **Example 1**, [SEM] **Example 3**, [SEM] **Methods and formulas for sem**, [SEM] **Glossary**
- Bera, A. K., [R] **QC**, [R] **sktest**, [TS] **arch**, [TS] **varnorm**, [TS] **vecnorm**, [XT] **xtreg postestimation**, [XT] **xtregar**
- Beran, J., [TS] **arfima**, [TS] **arfima postestimation**
- Beran, R. J., [R] **regress postestimation time series**
- Berger, J. O., [BAYES] **Intro**, [BAYES] **bayesstats pvalues**
- Berger, M. P. F., [PSS-2] **power onemean**, **cluster**, [PSS-2] **power twomeans**, **cluster**, [PSS-2] **power oneproportion**, **cluster**, [PSS-2] **power twoproportions**, **cluster**
- Berger, R. L., [DSGE] **Intro 8**, [PSS-2] **Intro (power)**, [R] **ci**
- Berglund, P. A., [SVY] **Survey**, [SVY] **Subpopulation estimation**
- Berk, K. N., [R] **stepwise**
- Berk, R., [LASSO] **Lasso intro**, [R] **rreg**
- Berkes, I., [TS] **mgarch**
- Berkey, C. S., [META] **Intro**, [META] **meta**, [META] **meta data**, [META] **meta esize**, [META] **meta set**, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta regress**, [META] **meta regress postestimation**, [META] **estat bubbleplot**, [META] **meta mvregress**
- Berkson, J., [R] **logit**, [R] **probit**
- Berkvens, D., [ME] **meintreg**
- Berlin, J. A., [META] **Intro**, [META] **meta esize**, [META] **meta regress**
- Berliner, L. M., [BAYES] **Intro**
- Berman, N. G., [META] **meta summarize**
- Bern, P. H., [R] **nestreg**
- Bernaards, C. A., [MV] **rotatemat**
- Bernard, R. M., [META] **Intro**
- Bernardo, J. M., [BAYES] **Intro**
- Bernasco, W., [R] **tetrachoric**

- Berndt, E. K., [M-5] **optimize()**, [R] **glm**, [TS] **arch**, [TS] **arima**
- Berndt, E. R., [R] **truncreg**
- Bernstein, I. H., [MV] **alpha**
- Berry, D. A., [BAYES] **Intro**, [BAYES] **Intro**
- Berry, G., [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power cmh**, [R] **ameans**, [R] **expoisson**, [R] **sdtest**
- Berry, K. J., [R] **ranksum**
- Bersvendsen, T., [XT] **xtunitroot**
- Bertanha, M., [R] **intreg**, [R] **tobit**
- Bertolini, G., [R] **estat gof**
- Bertrand, J., [ME] **menl**
- Bertrand, M., [TE] **DID intro**, [TE] **didregress**
- Besag, J., [BAYES] **Intro**
- Best, D. J., [FN] **Random-number functions**
- Best, N. G., [BAYES] **bayesstats ic**
- Bester, C. A., [TE] **DID intro**
- Betensky, R. A., [ST] **stintcox**
- Bewley, R., [R] **reg3**
- Beyer, W. H., [R] **QC**
- Beyersman, J., [ST] **sterreg**
- Bhargava, A., [XT] **xtregar**
- Bianchi, G., [TS] **tsfilter**, [TS] **tsfilter bw**
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- Bickeböller, H., [R] **symmetry**
- Bickel, P. J., [D] **egen**, [LASSO] **Lasso inference intro**, [LASSO] **lasso**, [R] **rreg**
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- Birnbaum, A., [BAYES] **bayesmh**, [IRT] **irt**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irtgraph iif**
- Bischof, C., [M-1] **LAPACK**, [M-5] **lapack()**, [P] **matrix eigenvalues**
- Bischof, D., [G-4] **Schemes intro**
- Bishai, D., [R] **betareg**
- Bishop, D. T., [PSS-2] **Intro (power)**
- Björkefur, K., [D] **codebook**, [D] **duplicates**, [D] **label**
- Black, F. S., [TS] **arch**
- Black, H. R., [PSS-2] **power repeated**
- Black, W. C., [CM] **Intro 6**, [CM] **cmrlogit**
- Blackburne, E. F., III, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
- Blackford, S., [M-1] **LAPACK**, [M-5] **lapack()**, [P] **matrix eigenvalues**
- Blackwell, J. L., III, [R] **areg**, [XT] **xtgls**, [XT] **xtpcse**, [XT] **xtreg**
- Blackwell, D. H., [BAYES] **Intro**
- Bland, M., [R] **ranksum**, [R] **sdtest**, [R] **signrank**, [R] **spearman**
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- Blashfield, R. K., [MV] **cluster**
- Blasius, J., [MV] **ca**, [MV] **mca**
- Blasnik, M., [D] **clonevar**, [D] **split**, [D] **statsby**
- Blenkinsop, A., [PSS-2] **Intro (power)**
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- Bliese, P. D., [R] **icc**
- Bliss, C. I., [R] **probit**
- Bloch, D. A., [R] **brier**
- Bloomfield, P., [R] **qreg**, [TS] **arfima**
- Blossfeld, H.-P., [ME] **mestreg**
- Blum, A. L., [PSS-2] **power cmh**
- Blundell, R. W., [ERM] **Intro 7**, [ERM] **eregress predict**, [ERM] **Glossary**, [R] **gmm**, [R] **ivprobit**, [R] **ivprobit postestimation**, [R] **ivtobit postestimation**, [TE] **DID intro**, [TE] **didregress**, [TE] **teffects intro advanced**, [TE] **teffects multivalued**, [XT] **xtdpd**, [XT] **xtdpdsys**
- BMDP, [R] **symmetry**
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- Bobee, B., [BAYES] **Intro**
- Bock, R. D., [IRT] **irt nrm**
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- Boeckmann, A. J., [ME] **menl**
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- Bofinger, E., [R] **qreg**
- Boggess, M. M., [ST] **sterreg**, [ST] **sterreg postestimation**
- Bohlius, J., [META] **meta data**
- Böhning, D., [FMM] **fmm intro**
- Boice, J. D., Jr., [R] **Epitab**
- Boland, P. J., [R] **ttest**
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- Bollerslev, T., [TS] **arch**, [TS] **arima**, [TS] **mgarch**, [TS] **mgarch ccc**, [TS] **mgarch dvech**
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- Bond, T. G., [IRT] **irt**, [SEM] **Example 28g**
- Bonett, D. G., [R] **ci**
- Bonferroni, C. E., [R] **correlate**
- Bonneti, M., [R] **Inequality**, [R] **roctab**
- Bontempi, M. E., [MV] **pca**
- Boore, D. M., [ME] **menl**

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[META] **meta**, [META] **meta esize**,
[META] **meta summarize**, [META] **meta
regress**, [META] **meta trimfill**
- Borg, I., [MV] **mds**, [MV] **mds postestimation**,
[MV] **mdslong**, [MV] **mdsmat**
- Borgan, Ø., [ST] **sterreg**
- Bormann, S.-K., [R] **test**
- Bornhorst, F., [XT] **xtunitroot**
- Borokhovski, E., [META] **Intro**
- Borowczyk, J., [M-5] **cholesky()**
- Börsch-Supan, A., [XT] **xmlogit**
- Bos, J. M., [R] **betareg**
- Boshuizen, H. C., [MI] **Intro substantive**, [MI] **mi
impute**, [MI] **mi impute chained**, [MI] **mi
impute monotone**
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- Boswell, T. M., [ST] **streg postestimation**
- Boswijk, H. P., [TS] **vec**
- Botezat, A., [ERM] **eoprobit**
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[R] **esize**, [R] **glm**, [R] **qreg**, [ST] **streg**,
[XT] **xtreg**
- Bound, J., [R] **ivregress postestimation**
- Bover, O., [XT] **xtdpd**, [XT] **xtdpdsys**
- Bowden, J., [META] **Intro**, [META] **meta esize**,
[META] **meta set**, [META] **meta summarize**
- Bower, H., [ST] **Survival analysis**, [ST] **stcox**,
[ST] **streg**
- Bowerman, B. L., [TS] **tssmooth**, [TS] **tssmooth
dexponential**, [TS] **tssmooth exponential**,
[TS] **tssmooth hwindows**, [TS] **tssmooth
shwindows**
- Bowker, A. H., [R] **symmetry**
- Box, G. E. P., [BAYES] **bayesstats ppvalues**,
[MV] **manova**, [MV] **mvtest covariances**,
[R] **anova**, [R] **boxcox**, [R] **lnskew0**,
[TS] **arima**, [TS] **arima**, [TS] **corrgram**,
[TS] **cumsp**, [TS] **dfuller**, [TS] **estat acplot**,
[TS] **pergram**, [TS] **pperron**, [TS] **psdensity**,
[TS] **wntestq**, [TS] **xcorr**
- Box, J. F., [R] **anova**
- Box-Steffensmeier, J. M., [ST] **stcox**, [ST] **streg**,
[TS] **Time series**, [TS] **arima**, [TS] **forecast**,
[TS] **irf**, [TS] **var**, [TS] **vec**
- Boyd, N. F., [R] **kappa**
- Boyle, J. M., [P] **matrix symeigen**
- Boyle, P., [ME] **menbreg**, [ME] **mepoisson**,
[SEM] **Example 39g**
- Bozzette, S. A., [IRT] **irt**
- Brackstone, G. J., [R] **Diagnostic plots**, [R] **swilk**
- Bradburn, M. J., [META] **meta**, [META] **meta esize**,
[META] **meta forestplot**, [META] **meta
summarize**
- Bradley, R. A., [R] **signrank**
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- Brand, J. P. L., [MI] **Intro substantive**, [MI] **mi impute
chained**
- Brännäs, K., [R] **cpoisson**
- Brannon, B. R., [ME] **me**, [ME] **meglm**,
[ME] **meologit**, [ME] **meoprobit**, [XT] **xtologit**,
[XT] **xtoprobit**
- Brant, R., [R] **ologit**
- Brave, S., [TE] **etregress**
- Bray, R. J., [MV] **clustermat**
- Bray, T. A., [FN] **Random-number functions**
- Brearley, A. L., [M-5] **LinearProgram()**
- Brehm, J., [R] **hetoprobit**
- Breitung, J., [XT] **xtcointtest**, [XT] **xtunitroot**
- Brent, R. P., [MV] **mdsmat**, [MV] **mvtest means**
- Breslow, N. E., [IRT] **difmih**, [ME] **me**,
[ME] **meglm**, [ME] **melogit**, [ME] **meoprobit**,
[ME] **mepoisson**, [ME] **mestreg**, [META] **meta
esize**, [META] **meta summarize**,
[META] **Glossary**, [PSS-2] **power mcc**,
[R] **clogit**, [R] **dstdize**, [R] **Epitab**,
[R] **symmetry**, [ST] **stcox**, [ST] **stcox PH-
assumption tests**, [ST] **sts**, [ST] **sts test**
- Breusch, T. S., [MV] **mvreg**, [R] **hetregress**,
[R] **regress postestimation**, [R] **regress
postestimation time series**, [R] **regress
postestimation time series**, [R] **suresg**,
[TS] **Glossary**, [XT] **xtreg postestimation**
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[META] **meta forestplot**, [META] **meta regress**,
[META] **meta regress postestimation**
- Brier, G. W., [R] **brier**
- Brillinger, D. R., [R] **jackknife**
- Britt, C. L., [SP] **estat moran**, [SP] **spregress**,
[SP] **spxtregress**
- Brockwell, P. J., [TS] **corrgram**, [TS] **sspace**
- Brody, H., [R] **Epitab**
- Brook, R. H., [R] **brier**
- Brooks, S. P., [BAYES] **Intro**, [BAYES] **bayesstats
grubin**, [BAYES] **bayesstats summary**
- Brophy, T. S. L., [SP] **Intro**
- Brown, B. W., [ST] **sts graph**
- Brown, C. A., [R] **symmetry**
- Brown, C. C., [R] **Epitab**
- Brown, D. R., [ME] **mixed**, [PSS-2] **power repeated**,
[R] **anova**, [R] **contrast**, [R] **loneway**,
[R] **oneway**, [R] **pwcompare**
- Brown, G. K., [TE] **etregress**, [TE] **teffects intro
advanced**
- Brown, H., [ME] **mixed**
- Brown, J. D., [MV] **manova**
- Brown, L. B., [R] **prtest**
- Brown, L. D., [LASSO] **Lasso intro**, [R] **ci**
- Brown, M. B., [R] **sdtest**, [R] **tetrachoric**
- Brown, R. L., [TS] **estat sbcusum**
- Brown, S. E., [R] **symmetry**
- Brown, T. A., [SEM] **Intro 4**
- Brown, W., [R] **icc**
- Browne, M. W., [MV] **procrustes**, [SEM] **estat gof**,
[SEM] **Methods and formulas for sem**
- Brownstone, D., [CM] **cmmlxlogit**, [CM] **cmxtmixlogit**
- Broyden, C. G., [TS] **forecast solve**

- Bru, B., [R] **poisson**
 Brückner, E., [ME] **mestreg**
 Bruno, G. S. F., [TS] **forecast**, [XT] **xtabond**,
 [XT] **xtddpd**, [XT] **xtddpsys**, [XT] **xtreg**
 Bruno, R. L., [XT] **xreg**
 Bruun, N. H., [R] **margins**, [R] **marginsplot**, [R] **table**
oneway
 Bryk, A. S., [ME] **me**, [ME] **meglm**, [ME] **mepoisson**,
 [ME] **mestreg**, [ME] **mixed**, [META] **meta**
forestplot, [META] **meta summarize**,
 [META] **meta bias**
 Brzezinski, M., [R] **swilk**
 Brzinsky-Fay, C., [G-2] **graph twoway rbar**
 Buchholz, A., [ST] **stcrreg**
 Buchner, D. M., [R] **ladder**
 Bühlmann, P., [LASSO] **Lasso intro**, [LASSO] **lasso**
 Buis, M. L., [FN] **Random-number functions**,
 [G-3] **by_option**, [P] **macro**, [R] **betareg**,
 [R] **constraint**, [R] **eform_option**, [R] **logistic**,
 [R] **logit**, [R] **margins**, [U] **11.7 References**
 Buja, A., [LASSO] **Lasso intro**, [U] **20.26 References**
 Bult, J. R., [FMM] **Example 3**
 Bunch, D. S., [CM] **cmmprobit**
 Buonaccorsi, J. P., [R] **eivreg**
 Buot, M.-L. G., [MV] **mvtest means**
 Burden, A. M., [M-5] **solvenl()**
 Burden, R. L., [M-5] **solvenl()**
 Burden Study Group, [D] **icd10**
 Burdick, E., [META] **meta**, [META] **meta data**,
 [META] **meta forestplot**, [META] **meta**
regress, [META] **meta regress postestimation**,
 [META] **meta mvregress**
 Burke, W. J., [R] **tobit**
 Burket, G. R., [IRT] **irt 3pl**
 Burkhauser, R. V., [MI] **Intro substantive**
 Burnam, M. A., [R] **lincom**, [R] **mlogit**, [R] **mprobit**,
 [R] **mprobit postestimation**, [R] **predictnl**,
 [R] **sglfit**
 Burns, A. F., [TS] **tsfilter**, [TS] **tsfilter bk**, [TS] **tsfilter**
bw, [TS] **tsfilter cf**, [TS] **tsfilter hp**, [TS] **ucm**
 Burns, J. C., [ME] **mixed**
 Burr, I. W., [R] **QC**
 Burwell, D. T., [ME] **mestreg**
 Buskens, V., [R] **tabstat**
 Busso, M., [TE] **stteffects ipwra**, [TE] **teoverlap**
 Butterworth, S., [TS] **tsfilter**, [TS] **tsfilter bw**
- C**
- Cabanillas, O. B., [XT] **xtgee**, [XT] **xreg**
 Caffo, B. S., [BAYES] **bayesstats summary**,
 [XT] **xtmlogit**
 Cai, T., [R] **rocreg**, [R] **zinb**, [R] **zioprobit**, [R] **zip**,
 [ST] **stintcox**
 Cai, T. T., [R] **ci**
 Cailliez, F., [MV] **mdsmat**
 Cain, G. G., [TE] **etregress**
 Cain, M., [PSS-2] **power usermethod**
 Caines, P. E., [TS] **sspace**
 Caliendo, M., [TE] **teffects intro advanced**
 Califf, R. M., [ST] **stcox postestimation**
 Caliński, T., [MV] **cluster**, [MV] **cluster stop**
 Calzolari, G., [TS] **threshold**
 Cameron, A. C., [CM] **Intro 8**, [CM] **cmlogit**,
 [CM] **cmmixlogit**, [CM] **cmmprobit**,
 [CM] **cmxtmixlogit**, [ERM] **Intro 9**,
 [ERM] **eintreg**, [FMM] **Example 1a**,
 [FMM] **Example 2**, [ME] **meglm**, [ME] **mixed**,
 [R] **betareg**, [R] **bootstrap**, [R] **cpoisson**,
 [R] **gmm**, [R] **heckman**, [R] **heckoprobit**,
 [R] **heckpoisson**, [R] **integ**, [R] **ivpoisson**,
 [R] **ivregress**, [R] **ivregress postestimation**,
 [R] **logit**, [R] **mprobit**, [R] **nbreg**, [R] **ologit**,
 [R] **oprobit**, [R] **poisson**, [R] **probit**, [R] **qreg**,
 [R] **regress**, [R] **regress postestimation**,
 [R] **simulate**, [R] **suresg**, [R] **tnbreg**,
 [R] **tobit**, [R] **tpoisson**, [R] **zinb**, [R] **zinb**
postestimation, [R] **zip**, [R] **zip postestimation**,
 [SEM] **Example 53g**, [SEM] **Example 54g**,
 [TE] **DID intro**, [TE] **didregress**, [TE] **etregress**,
 [TE] **stteffects intro**, [TE] **stteffects ipw**,
 [TE] **stteffects ipwra**, [TE] **stteffects**
postestimation, [TE] **stteffects ra**, [TE] **stteffects**
wra, [TE] **teffects intro advanced**, [TE] **teffects**
aipw, [TE] **teffects ra**, [TS] **forecast estimates**,
 [XT] **xt**, [XT] **xtnbreg**, [XT] **xtpoisson**
 Camilla Tulloch, J. F., [META] **meta**, [META] **meta**
mvregress
 Camilli, G., [IRT] **DIF**
 Campbell, D. T., [SEM] **Example 17**
 Campbell, M. J., [PSS-2] **Intro (power)**,
 [PSS-2] **power**, [PSS-2] **power onemean**,
cluster, [PSS-2] **power twomeans**, **cluster**,
 [PSS-2] **power oneproportion**, **cluster**,
 [PSS-2] **power twoproportions**, **cluster**,
 [PSS-2] **power cox**, [PSS-2] **power logrank**,
 [R] **ci**, [R] **kappa**, [R] **tabulate twoway**,
 [R] **ztest**
 Campolo, M. G., [TS] **threshold**
 Canavire-Bacarreza, G., [R] **gmm**
 Candel, M. J. J. M., [PSS-2] **power onemean**,
cluster, [PSS-2] **power twomeans**, **cluster**,
 [PSS-2] **power oneproportion**, **cluster**,
 [PSS-2] **power twoproportions**, **cluster**
 Candes, E., [M-5] **LinearProgram()**
 Canette, I., [D] **drawnorm**, [D] **merge**, [ME] **meglm**,
 [ME] **mixed**, [P] **foreach**, [PSS-2] **power**
logrank, **cluster**, [R] **integ**, [R] **jackknife**,
 [R] **nl**, [R] **nlstur**, [R] **oprobit**, [R] **suest**,
 [R] **test**, [R] **tobit**, [R] **truncreg**, [SEM] **gsem**
 Canner, J., [D] **icd10**, [D] **icd10cm**, [D] **icd10pcs**
 Canova, F., [DSGE] **Intro 1**, [DSGE] **Intro 5**
 Cantrell, R. A., [R] **zioprobit**
 Cappellari, L., [CM] **cmmprobit**, [D] **corr2data**,
 [D] **egen**
 Card, D., [META] **Intro**
 Cardell, S., [CM] **Intro 6**, [CM] **cmrologit**
 Cardoso de Andrade, L., [D] **codebook**, [D] **duplicates**,
 [D] **label**

- Carey, R. B., [D] **icd10**
- Caria, M. P., [XT] **xtgee**
- Carle, A. C., [ME] **mixed**
- Carlile, T., [R] **kappa**
- Carlin, B. P., [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**
- Carlin, J. B., [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayesstats summary**, [BAYES] **bayespredict**, [BAYES] **bayes: xtnbreg**, [BAYES] **Glossary**, [MI] **Intro substantive**, [MI] **Intro**, [MI] **mi estimate**, [MI] **mi impute**, [MI] **mi impute mvn**, [MI] **mi impute regress**, [R] **ameans**
- Carnes, B. A., [ST] **streg**
- Carpenter, B., [BAYES] **bayesmh**
- Carpenter, J. R., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meprobbit**, [META] **Intro**, [META] **meta summarize**, [META] **meta funnelplot**, [META] **meta bias**, [MI] **Intro substantive**, [MI] **Intro**, [MI] **mi impute**, [R] **bootstrap**, [R] **bstat**
- Carroll, D., [META] **meta**
- Carroll, J. B., [MV] **rotatemat**
- Carroll, R. J., [BAYES] **bayesmh**, [ME] **me**, [ME] **meglm**, [ME] **menl**, [ME] **mixed**, [ME] **mixed**, [R] **boxcox**, [R] **rreg**, [R] **sdtest**
- Carson, R. T., [R] **tnbreg**, [R] **tpoisson**
- Carter, R. L., [ME] **menl**
- Carter, S. L., [CM] **cmmlxlogit**, [ME] **me**, [ME] **melogit**, [ME] **meprobbit**, [ME] **mepoisson**, [ME] **mestreg**, [R] **frontier**, [R] **lrtest**, [R] **nbreg**, [ST] **stcox**, [ST] **streg**, [XT] **xt**
- Casagrande, J. T., [PSS-2] **power twoproportions**
- Casals, J., [TS] **sspace**
- Casella, G., [BAYES] **Intro**, [DSGE] **Intro 8**, [ME] **me**, [ME] **meglm**, [ME] **mixed**, [PSS-2] **Intro (power)**, [R] **ci**
- Castellani, M., [R] **betareg**
- Castellano, K. E., [R] **hetoprobit**
- Castillo, E., [MI] **Intro substantive**, [MI] **mi impute chained**
- Castro, L. M., [IRT] **irt 3pl**
- Cattaneo, M. D., [PSS-2] **power**, [R] **gmm**, [R] **npregress intro**, [R] **npregress kernel**, [R] **npregress kernel postestimation**, [R] **npregress series postestimation**, [ST] **stcox postestimation**, [TE] **DID intro**, [TE] **didregress**, [TE] **eteffects**, [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**, [TE] **tebalance**, [TE] **tebalance box**, [TE] **tebalance density**, [TE] **tebalance overid**, [TE] **tebalance summarize**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **teffects ipw**, [TE] **teffects ipwra**, [TE] **teffects multivalued**, [TE] **teffects nnmatch**, [TE] **teffects psmatch**, [TE] **teffects ra**
- Cattelan, A. M., [R] **betareg**
- Cattell, R. B., [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **procrustes**, [MV] **screplot**
- Cauchy, A.-L., [FN] **Statistical functions**
- Caudill, S. B., [R] **frontier**, [XT] **xtfrontier**
- Caulcutt, R., [R] **QC**
- Cefalu, M. S., [ST] **stcox postestimation**, [ST] **stcurve**, [ST] **sts graph**
- Center for Human Resource Research, [ERM] **Example 7**, [SEM] **Example 38g**, [SEM] **Example 46g**, [XT] **xt**
- Centers for Disease Control and Prevention, [D] **icd**, [D] **icd9**, [D] **icd10cm**
- Cerulli, G., [FMM] **fm intro**, [TE] **eteffects**, [TE] **etpoisson**, [TE] **etregress**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects ipw**
- Chabert, J.-L., [M-5] **cholesky()**
- Chadwick, J., [R] **poisson**
- Chakraborti, S., [R] **ksmirnov**
- Challet-Bouju, G., [IRT] **irt pcm**
- Chalmers, I., [META] **Intro**, [META] **Intro**
- Chalmers, T. C., [META] **Intro**, [META] **meta**, [META] **meta summarize**
- Chaloner, K., [BAYES] **Intro**
- Chamberlain, G., [R] **clogit**, [R] **gmm**, [R] **qreg**, [XT] **xtmlogit**
- Chambers, J. M., [G-2] **graph box**, [G-2] **graph matrix**, [G-3] **by_option**, [R] **Diagnostic plots**, [R] **grmeanby**, [R] **lowess**, [U] **1.4 References**
- Chang, I., [R] **prtest**
- Chang, I.-M., [R] **margins**
- Chang, Y., [TS] **sspace**
- Chang, Y.-J., [XT] **xtivreg**, [XT] **xtreg**
- Channon, C., [MV] **cluster dendrogram**
- Chao, E. C., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **mepoisson**
- Charlett, A., [R] **fp**
- Chatfield, C., [TS] **arima**, [TS] **corrgram**, [TS] **pergram**, [TS] **tssmooth**, [TS] **tssmooth dexpontential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth ma**, [TS] **tssmooth shwinters**, [TS] **Glossary**
- Chatfield, M. D., [D] **append**, [D] **merge**, [G-2] **graph twoway**, [R] **anova**, [R] **signrank**, [RPT] **putdocx intro**, [XT] **xtline**
- Chatterjee, S., [R] **poisson**, [R] **regress**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**
- Chávez Juárez, F. W., [R] **Inequality**
- Chen, D., [LASSO] **Lasso inference intro**, [LASSO] **lasso**, [LASSO] **lasso postestimation**, [LASSO] **poregress**
- Chen, H., [TS] **mswitch**
- Chen, M., [D] **drawnorm**, [META] **Intro**
- Chen, M.-H., [BAYES] **Intro**, [BAYES] **bayesstats summary**
- Chen, P., [XT] **xtunitroot**

- Chen, X., [ME] **mixed**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [R] **logistic**, [R] **logistic postestimation**, [R] **logit**, [R] **npregress intro**, [R] **npregress series**
- Chernick, M. R., [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**
- Chernozhukov, V., [BAYES] **Intro**, [LASSO] **Lasso intro**, [LASSO] **Lasso inference intro**, [LASSO] **dslogit**, [LASSO] **dspoisson**, [LASSO] **dsregress**, [LASSO] **lasso**, [LASSO] **lasso postestimation**, [LASSO] **poivregress**, [LASSO] **pologit**, [LASSO] **popoisson**, [LASSO] **poregress**, [LASSO] **sqrtlasso**, [LASSO] **xpologit**, [LASSO] **xpipoisson**, [LASSO] **xporegress**, [R] **intreg**, [R] **qreg**, [R] **tobit**, [TE] **telasso**
- Chetverikov, D., [LASSO] **Lasso intro**, [LASSO] **Lasso inference intro**, [LASSO] **lasso**, [LASSO] **poregress**, [LASSO] **xpologit**, [LASSO] **xpipoisson**, [LASSO] **xporegress**, [R] **lpoly**, [R] **npregress kernel**, [R] **npregress series**, [TE] **telasso**
- Cheung, Y. B., [ST] **stcox**
- Cheung, Y.-W., [TS] **dfgls**
- Chiang, C. L., [ST] **ltable**
- Chib, S., [BAYES] **Intro**
- Chiburis, R., [R] **heckman**, [R] **heckprobit**, [R] **heckprobit**, [R] **oprobit**
- Chinchilli, V. M., [ME] **me**, [ME] **menl**
- Choi, B. C. K., [R] **rocfitt**, [R] **rocreg postestimation**, [R] **rocregplot**, [R] **roctab**
- Choi, I., [XT] **xtunitroot**
- Choi, J., [R] **ivregress**
- Choi, M.-D., [M-5] **Hilbert()**
- Choi, S. C., [MV] **discrim knn**
- Cholesky, A.-L., [M-5] **cholesky()**
- Choodari-Oskoei, B., [PSS-2] **Intro (power)**, [R] **ssc**
- Chou, R. Y., [TS] **arch**
- Chow, G. C., [R] **contrast**, [TS] **estat sbknown**
- Chow, S.-C., [PSS-2] **Intro (power)**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power exponential**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [R] **pk**, [R] **pkcross**, [R] **pkequiv**, [R] **pkexamine**, [R] **pkshape**
- Christakis, N., [CM] **cmrologit**
- Christensen, W. F., [MV] **biplot**, [MV] **ca**, [MV] **candisc**, [MV] **canon**, [MV] **canon postestimation**, [MV] **cluster**, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim knn**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **discrim logistic**, [MV] **discrim qda**, [MV] **discrim qda postestimation**, [MV] **factor**, [MV] **manova**, [MV] **mca**, [MV] **mvtest**, [MV] **mvtest correlations**, [MV] **mvtest covariances**, [MV] **mvtest means**, [MV] **mvtest normality**, [MV] **pca**, [MV] **screepplot**
- Christiano, L. J., [TS] **irf create**, [TS] **tsfilter**, [TS] **tsfilter cf**, [TS] **var svar**
- Christodoulou, D., [G-2] **graph twoway line**, [R] **cnsgreg**, [XT] **xreg**
- Chu, C.-S. J., [XT] **xtcointtest**, [XT] **xtunitroot**
- Chu-Chun-Lin, S., [TS] **sspace**
- Chyi, H., [ERM] **eoprobit**
- Clark, V. A., [MV] **canon**, [MV] **discrim**, [MV] **factor**, [MV] **pca**, [R] **stepwise**, [ST] **ltable**
- Clarke, D., [R] **gmm**, [R] **ivregress**, [R] **test**, [TE] **didregress**
- Clarke, M., [META] **meta forestplot**
- Clarke, M. R. B., [MV] **factor**
- Clarke, R. D., [R] **poisson**
- Clarke-Pearson, D. L., [R] **roccomp**, [R] **rocreg**, [R] **roctab**
- Clarkson, D. B., [R] **tabulate twoway**
- Clarotti, C. A., [BAYES] **Intro**
- Clayton, D. G., [D] **egen**, [ME] **me**, [ME] **meglm**, [ME] **mepoisson**, [R] **Epitab**, [R] **Epitab**, [SEM] **Example 48g**, [ST] **stptime**, [ST] **strate**, [ST] **stsplit**, [ST] **sttocc**
- Cleland, J., [BAYES] **bayesmh**, [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meprobit**
- Clementi, W. A., [ME] **menl**
- Clerc-Urmès, I., [ST] **sts**
- Clerget-Darpoux, F., [R] **symmetry**
- Cleveland, W. S., [G-1] **Graph intro**, [G-2] **graph box**, [G-2] **graph dot**, [G-2] **graph matrix**, [G-2] **graph twoway lowess**, [G-3] **by_option**, [R] **Diagnostic plots**, [R] **lowess**, [R] **lpoly**, [R] **sunflower**, [U] **1.4 References**
- Cleves, M. A., [ME] **mestreg**, [MI] **mi estimate**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [R] **roccomp**, [R] **rocreg**, [R] **roctab**, [R] **symmetry**, [ST] **Survival analysis**, [ST] **stcox**, [ST] **sterreg**, [ST] **sterreg postestimation**, [ST] **stdescribe**, [ST] **streg**, [ST] **stset**, [ST] **stsplit**, [ST] **stvary**, [TE] **stteffects intro**, [XT] **xtstreg**
- Cliff, A. D., [SP] **Intro**, [SP] **spregress**
- Cliff, N., [MV] **canon postestimation**
- Clogg, C. C., [R] **suest**
- Clopper, C. J., [R] **ci**
- Cobb, G. W., [R] **anova**
- Cochran, W. G., [P] **levelsof**, [PSS-2] **power cmh**, [PSS-2] **power trend**, [R] **ameans**, [R] **anova**, [R] **correlate**, [R] **dstdize**, [R] **mean**, [R] **nptrend**, [R] **oneway**, [R] **poisson**, [R] **probit**, [R] **proportion**, [R] **ranksum**, [R] **ratio**, [R] **signrank**, [R] **total**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Subpopulation estimation**, [SVY] **svyset**, [SVY] **Variance estimation**
- Cochrane, D., [TS] **prais**
- Cococcioni, M., [R] **frontier**, [XT] **xtfrontier**
- Coelli, T. J., [R] **frontier**, [XT] **xtfrontier**
- Coffey, C., [MI] **Intro substantive**

- Cohen, J., [META] **meta esize**, [META] **Glossary**, [PSS-2] **Intro (power)**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [R] **esize**, [R] **kappa**, [R] **pcorr**
- Cohen, P., [R] **pcorr**
- Cohen, S. J., [META] **meta mvregress**
- Colditz, G. A., [META] **Intro**, [META] **meta**, [META] **meta data**, [META] **meta esize**, [META] **meta set**, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta regress**, [META] **meta regress postestimation**, [META] **estat bubbleplot**, [META] **meta mvregress**
- Coleman, J. S., [R] **poisson**
- Collett, D., [PSS-2] **power logrank**, [R] **clogit**, [R] **logistic postestimation**, [ST] **stci**, [ST] **stcox postestimation**, [ST] **stcrreg postestimation**, [ST] **streg postestimation**, [ST] **sts test**, [ST] **stsplit**
- Collins, E., [SVY] **Survey**, [SVY] **svy estimation**
- Collins, R., [META] **meta esize**, [META] **meta summarize**
- Compostella, F. A., [R] **betareg**
- Comrey, A. L., [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- Comstock, T. J., [BAYES] **bayesmh**
- Comte, F., [TS] **mgarch**
- Comulada, W. S., [MI] **mi estimate**, [SEM] **Intro 5**
- Cone-Wesson, B., [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- Conejo, N. M., [ME] **mixed**
- Conesa, D., [TS] **mswitch**
- Cong, R., [R] **tobit**
- Congdon, P. D., [BAYES] **bayesstats ppvalues**
- Conley, T. G., [TE] **DID intro**
- Connor, R. J., [PSS-2] **power pairedproportions**
- Conover, W. J., [R] **centile**, [R] **ksmirnov**, [R] **kwallis**, [R] **nptrend**, [R] **sdtest**, [R] **spearman**, [R] **tabulate twoway**
- Conroy, R. M., [R] **intreg**, [R] **ranksum**
- Consonni, D., [R] **dstdize**
- Contador, I., [R] **rocreg**, [R] **rocregplot**
- Conway, M. R., [ERM] **eprobit**, [XT] **xtlogit**, [XT] **xtlogit**, [XT] **xtoprobit**, [XT] **xtprobit**
- Cook, A., [R] **ci**
- Cook, I. T., [U] **1.4 References**
- Cook, J. A., [R] **heckman**, [R] **roc**
- Cook, N. R., [R] **rocreg**
- Cook, R. D., [P] **_predict**, [R] **boxcox**, [R] **regress postestimation**
- Cooper, H., [META] **Intro**
- Cooper, M. C., [MV] **cluster**, [MV] **cluster programming subroutines**, [MV] **cluster stop**
- Cooper, W. W., [M-5] **LinearProgram()**
- Cornelius, P. L., [ME] **mixed**
- Cornell, J. E., [META] **meta summarize**
- Cornfield, J., [R] **Epitab**
- Corral, P., [R] **logit**
- Correia, S., [XT] **xtpoisson**
- Corten, R., [MV] **mds**
- Coster, D., [R] **contrast**
- Coull, B. A., [R] **ci**
- Cousens, S. N., [TE] **teffects intro advanced**
- Coviello, V., [ST] **sterreg**, [ST] **sterreg postestimation**, [ST] **sts**
- Cowles, M. K., [BAYES] **Intro**
- Cox, C., [SEM] **Example 2**
- Cox, C. S., [SVY] **Survey**, [SVY] **svy estimation**
- Cox, D. R., [META] **meta esize**, [META] **meta summarize**, [MV] **measure_option**, [PSS-2] **power cox**, [R] **boxcox**, [R] **exlogistic**, [R] **expoisson**, [R] **lnskew0**, [ST] **ltable**, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **sterreg**, [ST] **stintcox**, [ST] **streg**, [ST] **streg postestimation**, [ST] **sts**
- Cox, G. M., [P] **levelsof**, [R] **anova**
- Cox, M. A. A., [MV] **biplot**, [MV] **ca**, [MV] **mds**, [MV] **mds postestimation**, [MV] **mdsmat**, [MV] **procrustes**, [MV] **Glossary**
- Cox, N. J., [D] **by**, [D] **clonevar**, [D] **codebook**, [D] **contract**, [D] **count**, [D] **Datetime**, [D] **describe**, [D] **destring**, [D] **ds**, [D] **duplicates**, [D] **egen**, [D] **encode**, [D] **expand**, [D] **fillin**, [D] **format**, [D] **icd**, [D] **list**, [D] **lookfor**, [D] **Missing values**, [D] **rename**, [D] **reshape**, [D] **separate**, [D] **split**, [D] **statsby**, [FN] **Intro**, [FN] **Date and time functions**, [FN] **Mathematical functions**, [FN] **Programming functions**, [FN] **String functions**, [G-1] **Graph intro**, [G-2] **graph bar**, [G-2] **graph box**, [G-2] **graph combine**, [G-2] **graph dot**, [G-2] **graph twoway**, [G-2] **graph twoway dot**, [G-2] **graph twoway function**, [G-2] **graph twoway histogram**, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lowess**, [G-2] **graph twoway lpoly**, [G-2] **graph twoway pcarrow**, [G-2] **graph twoway pcspike**, [G-2] **graph twoway rbars**, [G-2] **graph twoway scatter**, [G-3] **added_line_options**, [G-3] **added_text_options**, [G-3] **aspect_option**, [G-3] **axis_label_options**, [G-3] **axis_scale_options**, [G-3] **by_option**, [G-3] **title_options**, [G-4] **linestyle**, [MV] **mvtest**, [MV] **mvtest normality**, [P] **foreach**, [P] **forvalues**, [P] **gettoken**, [P] **levelsof**, [P] **macro**, [P] **unab**, [R] **betareg**, [R] **ci**, [R] **cumul**, [R] **Diagnostic plots**, [R] **grmeanby**, [R] **histogram**, [R] **Inequality**, [R] **kappa**, [R] **kdensity**, [R] **ladder**, [R] **lowess**, [R] **lpoly**, [R] **lv**, [R] **npregress kernel**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [R] **search**, [R] **serrbar**, [R] **sktest**, [R] **smooth**, [R] **spikeplot**, [R] **ssc**, [R] **stem**, [R] **summarize**, [R] **sunflower**, [R] **tabulate oneway**, [R] **tabulate twoway**, [TS] **tsline**, [TS] **tsset**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**, [U] **3.9 References**

Cox, N. J., *continued*

[U] 11.7 References, [U] 12.11 References,
[U] 13.13 References, [U] 17.10 References,
[U] 24.5 References, [U] 25.8 References,
[U] 26.3 References, [XT] xtdescribe

Cox, T. F., [MV] biplot, [MV] ca, [MV] mds,
[MV] mds postestimation, [MV] mdsmat,
[MV] procrustes, [MV] Glossary

Cozad, J. B., [MV] discrim lda

Cragg, J. G., [R] churdle, [R] ivregress postestimation

Craig, A. S., [D] icd10

Cramer, E. M., [MV] procrustes

Cramér, H., [R] tabulate twoway

Cramer, J. S., [R] logit

Crawford, C. B., [MV] rotate, [MV] rotatemat,
[MV] Glossary

Creel, M. D., [R] cpoisson

Cressie, N., [SP] Intro, [SP] spregress

Cribari-Neto, F., [R] betareg

Critchley, F., [MV] mdsmat

Cro, S., [MI] Intro substantive

Cronbach, L. J., [MV] alpha, [R] icc

Cronin, A., [ST] stcox

Crouchley, R., [ME] mestreg

Croux, C., [R] rreg

Crow, K., [D] import, [D] import excel, [D] jdbc,
[D] odbc, [P] Java plugin, [P] return,
[RPT] putexcel, [RPT] putexcel advanced,
[U] 13.13 References

Crowder, M. J., [BAYES] bayesmh, [ME] menl,
[ST] sterreg, [ST] streg

Crowe, P. R., [G-2] graph box

Crowley, J., [ST] stcox, [ST] sterreg, [ST] stset

Crowther, M. J., [ME] mestreg, [PSS-2] Intro (power),
[SEM] Intro 4, [SEM] gsem, [ST] Survival
analysis, [ST] stcox, [ST] streg

Cruz-Gonzalez, M., [XT] xtlogit, [XT] xtprobit

Cudeck, R., [SEM] estat gof, [SEM] Methods and
formulas for sem

Cui, J., [ST] stcox, [ST] streg, [XT] xtgee

Cullen, F. T., [META] Intro

Cumming, G., [R] esize, [R] regress postestimation

Cummings, P., [R] binreg, [R] EpiTab, [R] glm,
[R] margins, [XT] xtproisson

Cummings, T. H., [R] nbreg, [R] poisson, [R] zinb,
[R] zip

Cunliffe, S., [R] ttest

Curtis, J. T., [MV] clustermat

Curtis, P. S., [META] Intro

Curts-García, J., [R] smooth

Cushman, W. C., [PSS-2] power repeated

Cutler, J. A., [PSS-2] power repeated

Cutler, S. J., [ST] ltable

Cutuli, G., [XT] xtabond, [XT] xtdpd, [XT] xtdpdsys,
[XT] xtprobit

Cuzick, J., [R] kappa, [R] nptrend

Czekanowski, J., [MV] measure_option

Czyzyk, J., [M-5] LinearProgram()

D

D'Agostino, R. B., [MV] mvtest normality, [R] sktest,
[R] swilk, [ST] stintcox, [ST] stintreg

D'Agostino, R. B., Jr., [R] sktest, [R] swilk

D'Haultfœuille, X., [R] heckman, [R] ivregress,
[XT] xtmlogit

Dagne, G. A., [R] zioprobit

Daidone, S., [M-5] LinearProgram(), [R] frontier,
[XT] xtfreier

Dale, D., [R] zioprobit

Dalhuisen, J. M., [META] Intro

Dallakyan, A., [LASSO] Lasso intro

Danahy, D. T., [ME] mestreg

Daniel, C., [R] Diagnostic plots, [R] oneway

Daniel, R. M., [MI] Intro substantive, [MI] mi impute,
[MI] mi impute chained, [MI] mi impute
monotone, [TE] teffects intro advanced

Daniels, B., [D] codebook, [D] duplicates, [D] label

Daniels, L., [U] 11.7 References, [U] 12.11 References,
[U] 20.26 References

Daniels, R. C., [SP] Intro

Danuso, F., [R] nl

Dardanoni, V., [MI] Intro substantive

Darmofal, D., [SP] Intro, [SP] spregress

Das, S., [XT] xtunitroot

DasGupta, A., [R] ci

Daubechies, I., [LASSO] lasso

Dave, C., [DSGE] Intro 1, [DSGE] Intro 3d,
[DSGE] Intro 5

Davey, C., [PSS-2] power

Davey, P. G., [D] icd10

Davey Smith, G., [META] Intro, [META] meta bias,
[META] Glossary

David, F. N., [R] correlate

David, H. A., [D] egen, [R] spearman, [R] summarize

David, J. S., [TS] arima

Davidian, M., [ME] me, [ME] menl

Davidon, W. C., [M-5] optimize()

Davidson, J., [TS] mswitch postestimation

Davidson, R., [DSGE] Glossary, [R] boxcox,
[R] cnsreg, [R] gmm, [R] intreg, [R] ivregress,
[R] ivregress postestimation, [R] mlogit, [R] nl,
[R] nlsur, [R] reg3, [R] regress, [R] regress
postestimation time series, [R] truncreg,
[TS] arch, [TS] arima, [TS] prais, [TS] sspace,
[TS] varlmar, [TS] Glossary, [XT] xtglsl,
[XT] xtpecse

Davies, R. B., [TS] estat sbingle

Davis, B. R., [PSS-2] power repeated

Davis, G., [TS] arima

Davis, P. J., [M-5] Quadrature()

Davis, R. A., [TS] corrgram, [TS] sspace

Davison, A. C., [R] bootstrap

Dawson, R. J. M., [BAYES] bayespredict

Day, N. E., [PSS-2] power mcc, [R] clogit, [R] dstdize,
[R] EpiTab, [R] symmetry

Day, W. H. E., [MV] cluster

- de Ayala, R. J., [IRT] **irt**, [IRT] **irt nrm**, [IRT] **irt pcm**, [IRT] **irt hybrid**
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- de Boor, C., [R] **npregress intro**, [R] **npregress series**
- de Finetti, B., [BAYES] **Intro**
- de Groot, H. L. F., [META] **Intro**
- De Hoyos, R. E., [XT] **xtreg**
- de Jong, J. J., [M-5] **LinearProgram()**
- De Jong, P., [TS] **dfactor**, [TS] **sspace**, [TS] **sspace postestimation**, [TS] **ucm**
- De Keyser, P., [ME] **melogit postestimation**
- de Kraker, M. E. A., [D] **icd10**
- de Leeuw, J., [MV] **ca postestimation**
- De Luca, G., [ERM] **eoprobit**, [MI] **Intro substantive**, [R] **biprobbit**, [R] **heckoprobbit**, [R] **heckprobit**, [R] **oprobit**, [R] **probit**
- De Stavola, B. L., [TE] **teffects intro advanced**
- De Vos, I., [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
- De Vroey, C., [ME] **melogit postestimation**
- de Wolf, I., [CM] **cmrologit**
- Deady, S., [R] **betareg**
- Dean, N., [R] **proportion**
- Deane, G., [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
- Dearden, L., [TE] **teffects intro advanced**, [TE] **teffects multivalued**
- Deaton, A. S., [R] **nlstur**, [U] **20.26 References**
- Deb, P., [FMM] **fmm intro**, [FMM] **Example 2**, [FMM] **Example 3**, [R] **churdle**, [R] **ivregress**, [R] **nbreg**, [R] **poisson**, [R] **qreg**, [R] **regress**, [R] **tobit**, [SEM] **Example 53g**, [SEM] **Example 54g**, [TE] **teffects intro advanced**
- Debarsy, N., [R] **lpolys**, [R] **npregress kernel**
- Debreu, G., [M-5] **LinearProgram()**
- Deeks, J. J., [META] **Intro**, [META] **Intro**, [META] **meta**, [META] **meta esize**, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta regress**, [META] **meta funnelplot**, [META] **meta bias**, [META] **meta trimfill**, [META] **meta mvregress**, [META] **Glossary**
- Defrise, M., [LASSO] **lasso**
- DeGroot, M. H., [BAYES] **Intro**, [TS] **arima**
- Dehon, C., [R] **correlate**, [R] **rreg**
- Deistler, M., [TS] **sspace**
- DeJong, D. N., [DSGE] **Intro 1**, [DSGE] **Intro 3d**, [DSGE] **Intro 5**
- del Barrio Castro, T., [TS] **dfgls**, [TS] **dfuller**
- del Rio, A., [TS] **tsfilter hp**
- DeLong, D. M., [R] **roccomp**, [R] **rocreg**, [R] **roctab**
- DeLong, E. R., [R] **roccomp**, [R] **rocreg**, [R] **roctab**
- DeMaris, A., [R] **hetregress**, [R] **regress postestimation**
- Demidenko, E., [ME] **me**, [ME] **menl**
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- Demmel, J., [M-1] **LAPACK**, [M-5] **lapack()**, [P] **matrix eigenvalues**
- Demnati, A., [SVY] **Direct standardization**, [SVY] **Poststratification**, [SVY] **Variance estimation**
- Dempster, A. P., [ME] **me**, [ME] **mixed**, [MI] **Intro substantive**, [MI] **mi impute mvn**
- Denis, D., [G-2] **graph twoway scatter**
- DerSimonian, R., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **Glossary**
- DeSarbo, W. S., [FMM] **fmm intro**, [FMM] **Example 3**
- Desbordes, R., [R] **ivregress**
- Desmarais, B. A., [R] **zinb**, [R] **zip**
- Desu, M. M., [PSS-2] **power exponential**
- Detsky, A. S., [META] **meta labbeplot**
- Deutekom, M., [META] **meta mvregress**
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- Devroye, L., [FN] **Random-number functions**
- Dewey, M. E., [R] **correlate**
- Dey, D. D., [BAYES] **Intro**
- Dey, D. K., [BAYES] **Intro**
- Dezeure, R., [LASSO] **Lasso intro**
- Dhaene, G., [XT] **xt**
- Di Iorio, F., [FMM] **fmm intro**
- Di Pino, A., [TS] **threshold**
- Dias, M. C., [TE] **DID intro**, [TE] **didregress**
- Díaz, J. D., [TE] **teffects nnmatch**, [TE] **teffects psmatch**
- Dice, L. R., [MV] **measure_option**
- Dickens, R., [TS] **prais**
- Dickersin, K., [META] **Intro**
- Dickey, D. A., [TS] **dfgls**, [TS] **dfuller**, [TS] **pperron**, [TS] **Glossary**, [XT] **xtcointtest**
- Dickman, P. W., [ST] **sts**
- Dickson, E. R., [ST] **sterreg**
- Dicle, M. F., [D] **import**, [TS] **arch**, [TS] **arima**, [TS] **tsline**
- Didelez, V., [R] **ivregress**
- Diebold, F. X., [TS] **arch**
- Dieppe, A., [BAYES] **bayes: var**
- Dieter, U., [FN] **Random-number functions**
- Dietz, E., [FMM] **fmm intro**
- Dietz, T., [D] **describe**, [R] **anova**, [R] **test**
- Digby, P. G. N., [R] **tetrachoric**
- Diggle, P. J., [BAYES] **bayesmh**, [ME] **me**, [ME] **meglm**, [ME] **mixed**, [TS] **arima**, [TS] **wntestq**
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- Ding, Z., [TS] **arch**
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- Dippel, C., [R] **ivregress**
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- Ditzen, J., [XT] **xtcointtest**, [XT] **xtunitroot**
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- Doan, T., [BAYES] **bayes: var**
- Dobbin, K., [PSS-2] **power**
- Dobson, A. J., [R] **glm**
- Dodd, L. E., [R] **rocreg**
- Dohoo, I., [ME] **meintreg**, [R] **Epitab**, [R] **regress**
- Doll, R., [R] **Epitab**, [R] **poisson**
- Donald, S. G., [R] **ivregress postestimation**, [TE] **DID intro**, [TE] **didregress**, [XT] **xtdidregress**
- Donath, S., [R] **tabstat**, [R] **tabulate oneway**, [R] **tabulate twoway**
- de Doncker-Kapenga, E., [M-5] **Quadrature()**
- Dongarra, J. J., [M-1] **LAPACK**, [M-5] **lapack()**, [P] **matrix eigenvalues**, [P] **matrix symeigen**
- Donn, S. M., [ME] **menl**
- Donner, A., [R] **loneway**
- Donoho, D. L., [R] **lpoly**
- Doornik, J. A., [MV] **mvtest**, [MV] **mvtest normality**, [TS] **arfima**, [TS] **vec**
- Doran, J. E., [MV] **cluster dendrogram**
- Dore, C. J., [R] **fp**
- Dorfman, D. D., [R] **rocfit**, [R] **rocreg**
- Dorfman, S. F., [META] **meta mvregress**
- Doris, A., [R] **gmm**, [R] **Inequality**
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- Downward, P., [R] **zioprobit**
- Draper, N., [ME] **me**, [ME] **menl**, [R] **eivreg**, [R] **oneway**, [R] **stepwise**
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- Drukker, D. M., [CM] **cmmixlogit**, [CM] **cmmprobit**, [CM] **cmxtmixlogit**, [D] **import fred**, [ERM] **eregress**, [LASSO] **Lasso intro**, [LASSO] **Lasso inference intro**, [LASSO] **lasso**, [ME] **me**, [ME] **melogit**, [ME] **meoprobit**, [ME] **meopoisson**, [ME] **mestreg**, [P] **Estimation command**, [P] **forvalues**, [P] **Java plugin**, [P] **plugin**, [P] **postfile**, [R] **boxcox**, [R] **frontier**, [R] **gmm**, [R] **logit**, [R] **lrtest**, [R] **margins**, [R] **mlexp**, [R] **nbreg**, [R] **npregress kernel**, [R] **oprobit**, [R] **predictnl**, [R] **qreg**, [R] **set rngstream**, [R] **tobit**, [SEM] **Example 46g**, [SP] **Intro**, [SP] **estat moran**, [SP] **spivregress**, [SP] **spivregress postestimation**, [SP] **spregress**, [SP] **spregress postestimation**, [ST] **stcox**
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[ST] **streg**, [TE] **eteffects**, [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **teffects ipw**, [TE] **teffects multivalued**, [TE] **teffects nmatch**, [TE] **teffects ra**, [TS] **sspace**, [TS] **vec**, [U] **18.14 References**, [XT] **xt**, [XT] **xtregar**
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- Dubes, R. C., [MV] **cluster**
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- Dumyati, G., [D] **icd10**
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- Duncan, O. D., [SEM] **Example 7**
- Dunlop, D. D., [PSS-2] **power onemean**, [PSS-2] **power onemean, cluster**, [R] **ztest**
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- Dunnett, C. W., [FN] **Statistical functions**, [R] **mprobit**, [R] **pwcompare**
- Dunnington, G. W., [R] **regress**
- Dunsmore, I. R., [BAYES] **Intro**
- Dunson, D. B., [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayesstats summary**, [BAYES] **bayespredict**, [BAYES] **bayes: xtmbreg**, [BAYES] **Glossary**, [MI] **Intro substantive**, [MI] **mi impute mvn**, [MI] **mi impute regress**
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- Duren, P., [R] **regress**
- Durlauf, S. N., [TS] **vec intro**, [TS] **vec**, [TS] **vecrank**
- Duval, R. D., [R] **bootstrap**, [R] **jackknife**, [R] **rocreg**, [R] **rocregplot**

Duval, S., [META] **Intro**, [META] **Intro**,
[META] **meta**, [META] **meta funnelplot**,
[META] **meta bias**, [META] **meta trimfill**
Dwyer, J. H., [XT] **xtreg**

E

Earnest, A., [PSS-2] **power**, [R] **ci**, [R] **ttest**,
[ST] **stcox**, [XT] **xtgee**
Eaves, R. C., [SEM] **Example 2**
Eberhardt, M., [XT] **xtre**
Eberly, L. E., [BAYES] **Intro**
Ecob, R., [MI] **mi estimate**
Eddings, W. D., [MI] **mi impute**
Edelsbrunner, H., [MV] **cluster**
Ederer, F., [ST] **ltable**
Edgington, E. S., [R] **runtest**
Edwards, A. L., [R] **anova**
Edwards, A. W. F., [R] **tetrachoric**
Edwards, B. C., [G-1] **Graph Editor**, [R] **logit**,
[R] **regress**, [R] **summarize**
Edwards, J. H., [R] **tetrachoric**
Efron, B., [R] **bootstrap**, [R] **qreg**
Efroymson, M. A., [R] **stepwise**
Egger, M., [META] **Intro**, [META] **meta**,
[META] **meta funnelplot**, [META] **meta bias**,
[META] **Glossary**
Egger, P. H., [SP] **Intro**, [SP] **spivregress**,
[SP] **spmatrix** **spfrommata**, [SP] **spregress**
Eichenbaum, M., [TS] **irf create**, [TS] **var svar**
Eigenbrode, S., [ERM] **eregress**
Eisenhart, C., [R] **correlate**, [R] **runtest**
Elashoff, J. D., [ME] **mixed**
Elbakidze, L., [ERM] **eregress**
Elghafghuf, A., [ME] **meintreg**
Ellenberg, S. S., [BAYES] **bayesmh**
Elliott, G. R., [TS] **dfgls**, [TS] **Glossary**
Ellis, C. D., [R] **poisson**
Ellis, P. D., [R] **esize**, [R] **regress postestimation**
Ellis, S. H., [META] **Intro**, [META] **meta forestplot**
Elston, D. A., [ME] **mixed**
Eltinge, J. L., [R] **test**, [SVY] **Survey**, [SVY] **estat**,
[SVY] **svy postestimation**, [SVY] **svydescribe**,
[SVY] **Variance estimation**
Embretson, S. E., [IRT] **irt**, [SEM] **Example 28g**,
[SEM] **Example 29g**
Emerson, J. D., [META] **meta summarize**, [R] **lv**,
[R] **stem**
Emsley, R., [TE] **teffects intro**, [TE] **teffects**
multivalued
Enas, G. G., [MV] **discrim knn**
Ender, P. B., [MV] **canon**, [R] **marginsplot**
Enders, W., [TS] **arch**, [TS] **arima**, [TS] **arima**
postestimation, [TS] **corrgram**, [TS] **estat**
sbcusum
Engel, A., [R] **boxcox**, [R] **etable**, [R] **marginsplot**,
[R] **table oneway**, [R] **table twoway**,
[R] **table multiway**, [R] **table summary**,
[R] **table hypothesis tests**, [R] **table**
regression, [RPT] **putdocx collect**,
[RPT] **putdocx table**, [RPT] **putpdf**
collect, [RPT] **putpdf table**, [SVY] **Survey**,
[SVY] **estat**, [SVY] **Subpopulation estimation**,
[SVY] **svy**, [SVY] **svy brr**, [SVY] **svy**
estimation, [SVY] **svy jackknife**, [SVY] **svy**
postestimation, [SVY] **svy: tabulate**
oneway, [SVY] **svy: tabulate twoway**,
[SVY] **svydescribe**, [TABLES] **collect addtags**,
[TABLES] **collect composite**, [TABLES] **collect**
label, [TABLES] **collect notes**, [TABLES] **collect**
recode, [TABLES] **collect remap**,
[TABLES] **collect title**, [TABLES] **collect use**,
[TABLES] **collect layout**, [TABLES] **collect**
style column, [TABLES] **collect style _cons**,
[TABLES] **collect style notes**, [TABLES] **collect**
style row, [TABLES] **collect style showbase**,
[TABLES] **collect style showempty**,
[TABLES] **collect style table**, [TABLES] **collect**
style title, [TABLES] **collect style use**,
[TABLES] **Example 1**, [TABLES] **Example 2**,
[TABLES] **Example 3**, [TABLES] **Example 4**,
[TABLES] **Example 5**, [TABLES] **Example 6**,
[TABLES] **Example 7**
Engel, C., [R] **churdle**, [TS] **mswitch**
Engle, R. F., [R] **regress postestimation time**
series, [TS] **arch**, [TS] **arima**, [TS] **dfactor**,
[TS] **mgarch**, [TS] **mgarch dcc**, [TS] **mgarch**
dvec, [TS] **mgarch vec**, [TS] **vec intro**,
[TS] **vec**, [TS] **vecrank**, [XT] **xtcointtest**
Erdeich, L. S., [R] **roccomp**, [R] **rocfits**, [R] **roctab**
Erhardt, P., [R] **qreg**
Erickson, T., [R] **eivreg**, [R] **gmm**
Escanciano, J. C., [TS] **wntestq**
Escobar, L. A., [PSS-3] **Intro** (**ciwidth**),
[PSS-3] **ciwidth onemean**
Eubank, R. L., [R] **lpoly**, [R] **npregress intro**,
[R] **npregress kernel**, [R] **npregress series**
Evans, C. L., [TS] **irf create**, [TS] **var svar**
Evans, J. M., [TS] **estat sbcusum**
Evans, M. A., [R] **pk**, [R] **pkcross**
Everaert, G., [XT] **xtabond**, [XT] **xtddp**,
[XT] **xtddpsys**
Everitt, B. S., [MV] **cluster**, [MV] **cluster**
dendrogram, [MV] **cluster stop**, [MV] **discrim**,
[MV] **discrim qda postestimation**, [MV] **mca**,
[R] **glm**, [U] **1.4 References**
Everson, H. T., [IRT] **DIF**
Ewens, W. J., [R] **symmetry**
Ezekiel, M., [R] **regress postestimation diagnostic**
plots
Ezzati-Rice, T. M., [MI] **Intro substantive**, [MI] **Intro**
substantive

F

- Facchin, C., [R] **betareg**
- Fagerland, M. W., [R] **Epitab**, [R] **estat gof**,
[R] **mlogit postestimation**, [R] **ologit**, [R] **ologit postestimation**
- Fai, A. H.-T., [ME] **mixed**
- Fair, R. C., [TS] **forecast solve**
- Faires, D. J., [M-5] **solvenl()**
- Falcaro, M., [MV] **cluster dendrogram**, [R] **margins**
- Fan, J., [R] **lpoly**, [R] **npregress intro**, [R] **npregress kernel**
- Fan, X., [META] **Intro**
- Fan, Y.-A., [R] **tabulate twoway**
- Fang, K.-T., [CM] **cmmprobit**
- Farbmacher, H., [R] **churdle**, [R] **cpoisson**,
[R] **tpoisson**
- Färe, R., [M-5] **LinearProgram()**
- Farrell, M. H., [TE] **telasso**
- Farrell, M. J., [M-5] **LinearProgram()**
- Farrington, C. P., [ST] **stintcox postestimation**,
[ST] **stintreg postestimation**
- Fay, R. E., [SVY] **Survey**, [SVY] **svy sdr**,
[SVY] **Variance estimation**
- Fé, E., [R] **frontier**, [XT] **xtfrontier**
- Feinleib, M., [XT] **xtreg**
- Feiveson, A. H., [PSS-2] **Intro (power)**, [R] **nlcom**,
[R] **ranksum**
- Feldman, J. J., [SVY] **Survey**, [SVY] **svy estimation**
- Feldt, L. S., [PSS-2] **power repeated**, [R] **anova**
- Feller, W., [TS] **wntestb**
- Fellingham, G. W., [ME] **mixed**
- Feng, S., [MI] **Intro substantive**
- Ferguson, E., [META] **meta summarize**
- Ferguson, G. A., [MV] **rotate**, [MV] **rotatemat**,
[MV] **Glossary**
- Fernández, P., [ME] **mixed**
- Fernandez-Cornejo, J., [ERM] **eintreg**
- Fernandez-Felix, B. M., [R] **logistic**, [R] **logit**
- Fernández-Val, I., [R] **intreg**, [R] **qreg**, [R] **tobit**,
[XT] **xtlogit**, [XT] **xtprobit**
- Fernández-Villaverde, J., [DSGE] **Intro 1**,
[DSGE] **dsgenl**
- Ferrara, A., [R] **ivregress**
- Ferrari, S. L. P., [R] **betareg**
- Ferri, H. A., [R] **kappa**
- Festinger, L., [R] **ranksum**
- Fibrinogen Studies Collaboration, [ST] **stcox postestimation**
- Fidell, L. S., [MV] **discrim**, [MV] **discrim lda**
- Fiedler, J., [P] **PyStata integration**
- Field, A., [MI] **mi estimate**, [MI] **mi impute**,
[XT] **xtgee**
- Field, C. A., [R] **bootstrap**
- Fielding, K., [PSS-2] **power**
- Fieller, E. C., [R] **pkequiv**
- Fienberg, S. E., [BAYES] **Intro**, [R] **kwallis**,
[R] **tabulate twoway**
- Filon, L. N. G., [R] **correlate**
- Filoso, V., [R] **regress**
- Finazzi, S., [R] **estat gof**
- Finch, S., [R] **esize**
- Findley, D. F., [R] **estat ic**
- Findley, T. W., [R] **ladder**
- Fine, J. P., [ST] **stcrreg**
- Fineberg, H. V., [META] **meta**, [META] **meta data**,
[META] **meta forestplot**, [META] **meta regress**,
[META] **meta regress postestimation**
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- Finney, D. J., [IRT] **irt 3pl**, [R] **probit**, [R] **tabulate twoway**
- Fiocco, M., [ST] **stcrreg**, [ST] **stcrreg postestimation**
- Fiore, M. C., [META] **meta mvregress**
- Fiorentini, G., [TS] **mgarch**
- Fiorio, C. V., [R] **kdensity**
- Fischer, G. H., [IRT] **irt**, [SEM] **Example 28g**
- Fiser, D. H., [R] **estat gof**
- Fiset, M., [META] **Intro**
- Fishell, E., [R] **kappa**
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[META] **meta summarize**
- Fisher, L. D., [MV] **factor**, [MV] **pca**, [PSS-2] **power twomeans**, [PSS-2] **power oneway**,
[PSS-2] **power twoway**, [R] **anova**, [R] **dstdize**,
[R] **oneway**
- Fisher, M. R., [XT] **xtcloglog**, [XT] **xtgee**,
[XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtologit**,
[XT] **xtprobit**, [XT] **xtprobit**, [XT] **xttobit**
- Fisher, N. I., [R] **regress postestimation time series**
- Fisher, R. A., [MV] **clustermat**, [MV] **discrim**,
[MV] **discrim estat**, [MV] **discrim lda**,
[MV] **Glossary**, [P] **levelsof**, [PSS-2] **power twoproportions**, [PSS-2] **power onecorrelation**,
[PSS-2] **power twocorrelations**, [R] **anova**,
[R] **anova**, [R] **esize**, [R] **ranksum**,
[R] **signrank**, [R] **tabulate twoway**, [ST] **streg**
- Fiske, D. W., [SEM] **Example 17**
- Fitzgerald, T. J., [TS] **tsfilter**, [TS] **tsfilter cf**
- Fitzmaurice, G. M., [ME] **me**, [ME] **menl**, [ME] **mixed**
- Fix, E., [MV] **discrim knn**
- Flaen, A., [D] **merge**
- Flannery, B. P., [FN] **Statistical functions**, [G-2] **graph twoway contour**, [M-5] **solvenl()**, [P] **matrix symeigen**, [R] **dydx**
- Flay, B. R., [ME] **me**, [ME] **meglm**, [ME] **meologit**,
[ME] **meoprobit**, [XT] **xtologit**, [XT] **xtprobit**
- Flegal, J. M., [BAYES] **bayesstats summary**
- Fleiss, J. L., [META] **Intro**, [META] **meta esize**,
[PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [R] **dstdize**, [R] **Epitab**, [R] **icc**,
[R] **kappa**
- Fleming, T. R., [ST] **stcox**, [ST] **sts test**
- Fletcher, K., [R] **rocreg**, [R] **rocreg postestimation**,
[R] **rocregplot**
- Fletcher, R., [M-5] **optimize()**
- Flood, S., [R] **mlexp**

Florax, R. J. G. M., [META] **Intro**
 Flynn, Z. L., [R] **gmm**
 Folsom, R. C., [R] **rocreg**, [R] **rocreg postestimation**,
 [R] **rocregplot**
 Fontenay, S., [D] **import**
 Ford, C. E., [PSS-2] **power repeated**
 Ford, J. M., [R] **frontier**, [XT] **xtfrontier**
 Fornis, J., [LASSO] **Lasso intro**, [LASSO] **Inference examples**, [M-5] **LinearProgram()**
 Forsythe, A. B., [R] **sdtest**
 Forthofer, R. N., [R] **dstdize**
 Fosheim, G. E., [D] **icd10**
 Foster, A., [R] **regress**
 Fouladi, R. T., [R] **esize**
 Foulkes, M. A., [PSS-2] **power cox**, [PSS-2] **power exponential**
 Fourier, J. B. J., [R] **cumul**
 Fox, C. M., [IRT] **irt**, [SEM] **Example 28g**
 Fox, J., [R] **kdensity**, [R] **lv**
 Fox, W. C., [R] **lroc**
 Francia, R. S., [R] **swilk**
 Francis, C., [PSS-2] **power repeated**
 Frank, M. W., [XT] **xtabond**, [XT] **xtdpd**,
 [XT] **xtdpdsys**
 Frankel, M. R., [P] **_robust**, [SVY] **Variance estimation**, [U] **20.26 References**
 Franklin, C. H., [D] **cross**
 Franzese, R. J., Jr., [XT] **xtpcse**
 Franzini, L., [XT] **xregar**
 Fraser, M. W., [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**, [TE] **tebalance**
 Freedman, L. S., [PSS-2] **Intro (power)**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 Freeman, D. H., Jr., [SVY] **svy: tabulate twoway**
 Freeman, E. H., [SEM] **estat stable**
 Freeman, J. L., [R] **Epitab**, [SVY] **svy: tabulate twoway**
 Freeman, J. R., [TS] **Time series**, [TS] **arma**,
 [TS] **forecast**, [TS] **irf**, [TS] **var**, [TS] **vec**
 Frees, E. W., [XT] **xt**
 Freese, J., [CM] **Intro 6**, [CM] **cmprobit**, [R] **clogit**,
 [R] **cloglog**, [R] **contrast**, [R] **hetoprobit**,
 [R] **logistic**, [R] **logit**, [R] **mlogit**, [R] **mprobit**,
 [R] **nbreg**, [R] **ologit**, [R] **oprobit**, [R] **poisson**,
 [R] **probit**, [R] **tnbreg**, [R] **tpoisson**, [R] **zinb**,
 [R] **zioprobit**, [R] **zip**
 Fridkin, S. K., [D] **icd10**
 Friedman, J. H., [LASSO] **lasso**, [LASSO] **lassoknots**,
 [LASSO] **sqrtlasso**, [M-5] **LinearProgram()**,
 [MV] **discrim knn**
 Friedman, M., [TS] **arma**
 Friendly, M., [G-2] **graph twoway scatter**
 Frölich, M., [R] **qreg**, [TE] **teffects multivalued**
 Frome, E. L., [R] **qreg**
 Frost, C., [PSS-2] **Intro (power)**

Frühwirth-Schnatter, S., [FMM] **fmm intro**,
 [TS] **mswitch**
 Frydenberg, M., [D] **icd**, [PSS-2] **power twomeans**,
 [PSS-3] **ciwidth twomeans**, [R] **dstdize**,
 [R] **roccomp**, [R] **roctab**, [TABLES] **Intro 3**
 Fu, V. K., [R] **ologit**
 Fu, W. J., [LASSO] **lasso**
 Fuller, W. A., [MV] **factor**, [P] **_robust**, [R] **eivreg**,
 [R] **regress**, [R] **spearman**, [SVY] **svy: tabulate twoway**, [SVY] **Variance estimation**, [TS] **dfigls**,
 [TS] **dfuller**, [TS] **pperron**, [TS] **psdensity**,
 [TS] **tsfilter**, [TS] **tsfilter bk**, [TS] **ucm**,
 [TS] **Glossary**, [U] **20.26 References**,
 [XT] **xtcointtest**
 Fullerton, A. S., [R] **ologit**, [R] **oprobit**
 Funkhouser, H. G., [G-2] **graph pie**
 Furberg, C. D., [PSS-2] **power repeated**
 Furr, D. C., [BAYES] **bayesmh**
 Futuyma, D. J., [MV] **measure_option**
 Fyler, D. C., [R] **Epitab**
 Fyles, A., [ST] **sterreg**, [ST] **sterreg postestimation**

G

Gabriel, K. R., [MV] **biplot**
 Gail, M. H., [P] **_robust**, [PSS-2] **power exponential**,
 [R] **rocreg**, [R] **rocreg postestimation**,
 [ST] **sterreg**, [ST] **strate**, [U] **20.26 References**
 Galanti, M. R., [XT] **xtgee**
 Galati, J. C., [MI] **Intro substantive**, [MI] **Intro**,
 [MI] **mi estimate**
 Galbraith, R. F., [META] **meta**, [META] **meta galbraithplot**
 Galecki, A. T., [ME] **estat wcorrelation**, [ME] **mixed**
 Gali, J., [TS] **estat sbingle**
 Galiani, S., [TE] **teffects intro**, [TE] **teffects intro advanced**
 Gall, J.-R. L., [R] **estat gof**, [R] **logistic**
 Gallacher, D., [D] **icd**
 Gallant, A. R., [R] **ivregress**, [R] **nl**
 Gallis, J. A., [PSS-2] **power onemean**, **cluster**,
 [PSS-2] **power twomeans**, **cluster**,
 [PSS-2] **power oneproportion**, **cluster**,
 [PSS-2] **power twoproportions**, **cluster**,
 [PSS-2] **power logrank**, **cluster**, [R] **permute**,
 [XT] **xtgee**
 Gallup, J. L., [D] **egen**, [M-5] **_docx*()**, [R] **estimates table**, [R] **regress postestimation diagnostic plots**, [RPT] **putexcel**, [RPT] **putexcel advanced**,
 [TABLES] **Intro**, [XT] **xtline**
 Galton, F., [R] **correlate**, [R] **cumul**, [R] **regress**,
 [R] **summarize**
 Galvao, A. F., [R] **QC**, [R] **sktest**, [TE] **teffects psmatch**, [XT] **xreg**, [XT] **xreg postestimation**
 Gamerman, D., [BAYES] **Intro**
 Gan, F. F., [R] **Diagnostic plots**
 Gander, W., [M-5] **Quadrature()**

- Gange, S. J., [XT] **xtcloglog**, [XT] **xtgee**,
[XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtlogit**,
[XT] **xtoprobit**, [XT] **xtprobit**, [XT] **xttobit**
- Ganguly, I., [R] **zioprobit**
- Gani, J., [TS] **wntestb**
- Gao, F., [ST] **stintcox**
- Gao, M., [R] **npregress series**, [TS] **arima**
- Garbow, B. S., [P] **matrix symeigen**
- García, B., [R] **churdle**
- García, R., [TS] **mswitch**
- García-Esquinas, E., [R] **logistic**, [R] **logit**
- García-Esteban, R., [LASSO] **Lasso intro**,
[LASSO] **Inference examples**,
[M-5] **LinearProgram()**
- Gardiner, J. S., [TS] **tssmooth**, [TS] **tssmooth
dexponential**, [TS] **tssmooth exponential**,
[TS] **tssmooth hwiners**, [TS] **tssmooth
shwiners**
- Gardner, E. S., Jr., [TS] **tssmooth dexponential**,
[TS] **tssmooth hwiners**
- Garnett, W. R., [BAYES] **bayesmh**
- Garrett, J. M., [ST] **stcox PH-assumption tests**
- Garsd, A., [R] **exlogistic**
- Gart, J. J., [META] **meta esize**, [R] **Epitab**
- Gasparini, A., [META] **meta mvregress**
- Gasser, T., [R] **lpoly**
- Gastwirth, J. L., [R] **sdtest**
- Gates, R., [CM] **cmmixlogit**, [CM] **cmmprobit**,
[CM] **cmxtmixlogit**
- Gauss, J. C. F., [R] **regress**
- Gautschi, W., [M-5] **Quadrature()**
- Gauvreau, K., [R] **dstdize**, [R] **logistic**, [ST] **ltable**,
[ST] **sts**
- Gavaghan, D., [META] **Intro**, [META] **meta**,
[META] **meta funnelplot**, [META] **meta bias**
- Gavin, M. D., [ME] **me**, [ME] **meglm**, [ME] **meologit**,
[ME] **meoprobit**, [XT] **xtologit**, [XT] **xtoprobit**
- Gay, D. M., [M-5] **LinearProgram()**
- Gehan, E. A., [ST] **sts test**
- Geisser, S., [PSS-2] **power repeated**, [R] **anova**
- Gel, Y. R., [R] **sdtest**
- Gelade, W., [R] **summarize**
- Gelbach, J. B., [R] **ivprobit**, [R] **ivtobit**, [TE] **DID
intro**, [TE] **didregress**
- Gelfand, A. E., [BAYES] **Intro**, [BAYES] **bayesmh**,
[MI] **mi impute chained**
- Gelman, A., [BAYES] **Intro**,
[BAYES] **bayesmh**, [BAYES] **bayesstats grubin**,
[BAYES] **bayesstats ic**, [BAYES] **bayesstats
ppvalues**, [BAYES] **bayesstats
summary**, [BAYES] **bayespredict**,
[BAYES] **bayes: xtnbreg**, [BAYES] **Glossary**,
[ME] **me**, [MI] **Intro substantive**, [MI] **mi
impute**, [MI] **mi impute mvn**, [MI] **mi impute
regress**
- Gelman, R., [R] **margins**
- Geman, D., [BAYES] **Intro**, [MI] **mi impute chained**
- Geman, S., [BAYES] **Intro**, [MI] **mi impute chained**
- Genadek, K., [R] **mlexp**
- Gendreau, P., [META] **Intro**
- Genest, C., [R] **Diagnostic plots**, [R] **swilk**
- Gentle, J. E., [FN] **Random-number functions**,
[R] **anova**, [R] **nl**
- Genton, M. G., [R] **sktest**
- Genz, A., [CM] **cmmprobit**
- George, S. L., [PSS-2] **power exponential**
- Gerkins, V. R., [R] **symmetry**
- Gerow, K. G., [SVY] **Survey**
- Gershman, K., [D] **icd10**
- Gertler, M., [TS] **estat sbssingle**
- Geskus, R. B., [ST] **sterreg**, [ST] **sterreg
postestimation**
- Geweke, J., [BAYES] **Intro**, [BAYES] **bayesmh**,
[CM] **cmmprobit**, [TS] **dfactor**
- Geyer, C. J., [BAYES] **bayesmh**
- Ghosh, S. K., [BAYES] **Intro**
- Giannini, C., [TS] **irf create**, [TS] **var intro**, [TS] **var
svar**, [TS] **vargranger**, [TS] **varwle**
- Giannone, D., [BAYES] **bayes: var**
- Gibaldi, M., [ME] **menl**
- Gibbons, J. D., [R] **ksmirnov**, [R] **spearman**
- Gibbons, R. D., [ME] **me**, [ME] **meglm**
- Gibson, P., [META] **meta data**
- Gichangi, A., [ST] **sterreg**
- Giesbrecht, F. G., [ME] **mixed**
- Giesen, D., [R] **tetrachoric**
- Gifi, A., [MV] **mds**
- Gigliarano, C., [R] **Inequality**, [R] **roctab**
- Gijbels, I., [R] **lpoly**, [R] **npregress intro**,
[R] **npregress kernel**
- Gilbert, G. K., [MV] **measure_option**
- Giles, D. E. A., [TS] **prais**
- Gilks, W. R., [BAYES] **Intro**, [BAYES] **bayesmh**
- Gill, R. D., [ST] **sterreg**
- Gillham, N. W., [R] **regress**
- Gillispie, C. C., [R] **regress**
- Gillman, M. S., [RPT] **dyndoc**, [RPT] **dyntext**
- Giltinan, D. M., [ME] **me**, [ME] **menl**
- Gini, C., [SP] **estat moran**, [SP] **spregress**,
[SP] **spxtregress**
- Gini, R., [R] **Epitab**, [R] **vwls**
- Ginther, O. J., [ME] **menl**, [ME] **mixed**
- Giordani, P., [BAYES] **Intro**, [BAYES] **bayesmh**
- Girshick, M. A., [MV] **pca**
- Givens, G. H., [META] **Intro**
- Glas, A. S., [META] **meta mvregress**
- Glass, G. V., [META] **Intro**, [META] **meta esize**,
[META] **Glossary**, [R] **esize**
- Glass, R. I., [R] **Epitab**
- Gleason, J. R., [FN] **Random-number functions**,
[R] **loneway**, [R] **summarize**
- Gleason, L. R., [ME] **me**, [ME] **meglm**, [ME] **meologit**,
[ME] **meoprobit**, [XT] **xtologit**, [XT] **xtoprobit**
- Gleick, J., [M-5] **optimize()**
- Gleser, G., [MV] **alpha**
- Gleser, L. J., [META] **meta mvregress**

- Glidden, D. V., [R] **logistic**, [ST] **stcox**, [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**, [TE] **teffects intro advanced**
- Gloeckler, L. A., [ST] **Discrete**
- Glosten, L. R., [TS] **arch**
- Glowacz, K. M., [ME] **me**, [ME] **meglm**, [ME] **meologit**, [ME] **meoprobit**, [XT] **xtologit**, [XT] **xtoprobit**
- Gnanadesikan, R., [MV] **manova**, [R] **cumul**, [R] **Diagnostic plots**
- Godambe, V. P., [SVY] **Variance estimation**
- Godfrey, L. G., [R] **regress postestimation time series**
- Godsill, S. J., [BAYES] **Intro**
- Goeden, G. B., [R] **kdensity**
- Goerg, S. J., [R] **ksmirnov**
- Goethals, K., [ME] **meintreg**
- Goggin, C., [META] **Intro**
- Golbe, D. L., [D] **label language**, [D] **merge**, [U] **23.1 References**
- Goldberger, A. S., [R] **intreg**, [R] **tobit**, [TE] **etregress**
- Goldblatt, A., [R] **Epitab**
- Golden, C. D., [SVY] **Survey**, [SVY] **svy estimation**
- Goldfarb, D., [M-5] **optimize()**
- Goldfeld, S. M., [TS] **mswitch**
- Goldman, N., [ME] **me**
- Goldstein, H., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **mepoisson**, [ME] **meprobit**, [ME] **mestreg**, [ME] **mixed**
- Goldstein, M. G., [META] **meta mvregress**
- Goldstein, R., [D] **ds**, [R] **brier**, [R] **Inequality**, [R] **nl**, [R] **regress postestimation**, [XT] **xreg**
- Golsch, K., [ME] **mestreg**, [XT] **xt**
- Golub, G. H., [M-5] **svd()**, [R] **orthog**, [R] **tetrachoric**, [TS] **arfima**, [TS] **arfima postestimation**
- Gómez de la Cámara, A., [R] **rocreg**, [R] **rocregplot**
- Gómez, V., [TS] **tsfilter**, [TS] **tsfilter hp**
- Gompertz, B., [ST] **streg**
- Gondzio, J., [M-5] **LinearProgram()**
- Gönen, M., [ST] **stcox postestimation**
- Gonnet, P., [M-5] **Quadrature()**
- Gonzalez, J. F., Jr., [SVY] **estat**, [SVY] **Subpopulation estimation**, [SVY] **svy bootstrap**, [SVY] **svy estimation**
- Gonzalo, J., [TS] **threshold**, [TS] **vec intro**, [TS] **vecrank**
- Good, P. I., [G-1] **Graph intro**, [R] **permute**, [R] **symmetry**, [R] **tabulate twoway**
- Goodall, C., [R] **lowess**, [R] **rreg**
- Goodman, L. A., [R] **tabulate twoway**, [SEM] **estat lcgof**, [SEM] **Example 50g**, [SEM] **Example 51g**, [SEM] **Methods and formulas for gsem**
- Goodman, M. S., [R] **anova**
- Goodman, S. N., [META] **meta summarize**
- Gooley, T. A., [ST] **stcrreg**
- Gopal, K., [FN] **Random-number functions**
- Gopinath, D., [CM] **cmmixlogit**, [CM] **cmxtmixlogit**
- Gordon, A. D., [MV] **biplot**, [MV] **cluster**, [MV] **cluster dendrogram**, [MV] **cluster stop**, [MV] **measure_option**
- Gordon, D. J., [PSS-2] **power repeated**
- Gordon, M. G., [R] **binreg**
- Gordon, N. J., [BAYES] **Intro**
- Gorga, M. P., [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- Gorman, J. W., [R] **stepwise**
- Gorst-Rasmussen, A., [MV] **pca**
- Gorsuch, R. L., [MV] **factor**, [MV] **rotate**, [MV] **rotatemat**
- Gosset [Student, pseud.], W. S., [R] **ttest**
- Gosset, W. S., [R] **ttest**
- Gotway, C. A., [SP] **Intro**, [SP] **spregress**
- Gould, W. W., [D] **assert**, [D] **datasignature**, [D] **Datetime values from other software**, [D] **destring**, [D] **drawnorm**, [D] **ds**, [D] **format**, [D] **merge**, [D] **putmata**, [D] **sample**, [ERM] **Intro 1**, [ERM] **Intro 9**, [FN] **Random-number functions**, [M-0] **Intro**, [M-1] **Intro**, [M-1] **How**, [M-1] **Interactive**, [M-2] **class**, [M-2] **exp**, [M-2] **goto**, [M-2] **pointers**, [M-2] **struct**, [M-2] **Subscripts**, [M-2] **Syntax**, [M-4] **IO**, [M-4] **Stata**, [M-5] **deriv()**, [M-5] **eigensystem()**, [M-5] **geigensystem()**, [M-5] **inbase()**, [M-5] **moptimize()**, [M-5] **runiform()**, [M-5] **st_addvar()**, [M-5] **st_global()**, [M-5] **st_local()**, [M-5] **st_view()**, [ME] **mestreg**, [MI] **mi estimate**, [P] **Intro**, [P] **_datasignature**, [P] **matrix**, [P] **matrix eigenvalues**, [P] **matrix mkmat**, [P] **_robust**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [R] **bsample**, [R] **dydx**, [R] **frontier**, [R] **gmm**, [R] **logistic**, [R] **margins**, [R] **Maximize**, [R] **ml**, [R] **poisson**, [R] **qreg**, [R] **regress**, [R] **rreg**, [R] **sktest**, [R] **smooth**, [R] **swilk**, [SP] **spmatrix spfrommata**, [ST] **Survival analysis**, [ST] **stcox**, [ST] **stcrreg**, [ST] **sterreg postestimation**, [ST] **stdescribe**, [ST] **streg**, [ST] **stset**, [ST] **stsplit**, [ST] **stvary**, [SVY] **Survey**, [SVY] **ml for svy**, [TE] **stteffects intro**, [U] **1.4 References**, [U] **13.13 References**, [U] **18.14 References**, [U] **23.1 References**, [U] **27.34 Reference**, [XT] **xtfrontier**, [XT] **xtstreg**
- Gourieroux, C. S., [R] **hausman**, [R] **suest**, [R] **test**, [TS] **arima**, [TS] **mgarch ccc**, [TS] **mgarch dcc**, [TS] **mgarch vcc**
- Gower, J. C., [MV] **biplot**, [MV] **ca**, [MV] **mca**, [MV] **measure_option**, [MV] **procrustes**
- Gracik, L., [R] **betareg**
- Graham, J. W., [MI] **Intro substantive**, [MI] **Intro substantive**, [MI] **mi impute**
- Grambsch, P. M., [ME] **mestreg**, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stcrreg**

- Granger, C. W. J., [TS] **arch**, [TS] **arfima**,
[TS] **vargranger**, [TS] **vec intro**, [TS] **vec**,
[TS] **vecrank**, [XT] **xtointtest**
- Grant, R. L., [BAYES] **bayesmh**
- Grasela, T. H., Jr., [ME] **menl**
- Grasman, R. P. P. P., [TS] **mswitch**
- Graubard, B. I., [ME] **mixed**, [PSS-2] **power trend**,
[R] **margins**, [R] **ml**, [R] **test**, [SVY] **Survey**,
[SVY] **Direct standardization**, [SVY] **estat**,
[SVY] **svy**, [SVY] **svy estimation**, [SVY] **svy**
postestimation, [SVY] **svy: tabulate twoway**,
[SVY] **Variance estimation**
- Graunt, J., [ST] **ltable**
- Gray, L. A., [FMM] **fmm: betareg**, [R] **betareg**,
[R] **churdle**, [R] **fracreg**, [R] **truncreg**
- Gray, R. J., [ST] **sterreg**
- Graybill, F. A., [PSS-2] **power onecorrelation**,
[PSS-2] **power twocorrelations**, [R] **centile**
- Grayling, M. J., [FN] **Random-number functions**,
[PSS-2] **power repeated**, [PSS-2] **power**
oneslope
- Grazzi, M., [R] **frontier**, [XT] **xtfrontier**
- Green, B. F., [MV] **discrim lda**, [MV] **procrustes**
- Green, D. M., [R] **lroc**
- Green, P. E., [MV] **cluster**
- Green, P. J., [BAYES] **Intro**
- Green, S., [META] **Intro**
- Greenacre, M. J., [MV] **ca**, [MV] **mca**, [MV] **mca**
postestimation, [SEM] **Example 35g**,
[SEM] **Example 36g**
- Greenbaum, A., [M-1] **LAPACK**, [M-5] **lapack()**,
[P] **matrix eigenvalues**
- Greenberg, E., [BAYES] **Intro**
- Greene, W. H., [CM] **cmclogit**, [CM] **cmmprobit**,
[CM] **nlogit**, [P] **matrix accum**, [R] **biprobit**,
[R] **clogit**, [R] **cnsreg**, [R] **frontier**, [R] **gmm**,
[R] **heckman**, [R] **heckpoisson**, [R] **hetprobit**,
[R] **hetregress**, [R] **ivregress**, [R] **lrtest**,
[R] **margins**, [R] **mlexp**, [R] **mlogit**, [R] **nlshr**,
[R] **pcorr**, [R] **reg3**, [R] **sureg**, [R] **testnl**,
[R] **truncreg**, [R] **zioprobit**, [TE] **etregress**,
[TS] **arima**, [TS] **corrgram**, [TS] **var**, [XT] **xt**,
[XT] **xtgls**, [XT] **xhtaylor postestimation**,
[XT] **xtpcse**, [XT] **xtrc**
- Greenfield, S., [MV] **alpha**, [MV] **factor**, [MV] **factor**
postestimation, [R] **lincom**, [R] **mlogit**,
[R] **mprobit**, [R] **mprobit postestimation**,
[R] **predictnl**, [R] **slogit**, [SEM] **Example 37g**
- Greenhouse, J. B., [META] **Intro**, [R] **Epitab**
- Greenhouse, S. W., [PSS-2] **power repeated**,
[R] **anova**, [R] **Epitab**
- Greenland, S., [BAYES] **Intro**, [IRT] **difmh**,
[META] **Intro**, [META] **meta summarize**,
[META] **meta regress**, [META] **meta trimfill**,
[META] **Glossary**, [R] **ci**, [R] **Epitab**,
[R] **mkspline**, [R] **ologit**, [R] **poisson**
- Greenwood, M., [ST] **ltable**, [ST] **sts**
- Greenwood, P., [MI] **Intro substantive**
- Gregoire, A., [R] **kappa**
- Gregory, A. W., [DSGE] **Intro 8**
- Gregory, C. A., [ERM] **eoprobit**
- Greil, R., [META] **meta data**
- Grieve, R., [R] **bootstrap**, [R] **bstat**
- Griffin, S., [R] **ztest**
- Griffith, J. L., [R] **brier**
- Griffith, R., [R] **gmm**
- Griffiths, W. E., [R] **cnsreg**, [R] **estat ic**,
[R] **hetregress**, [R] **ivregress**, [R] **ivregress**
postestimation, [R] **logit**, [R] **probit**,
[R] **regress**, [R] **regress postestimation**, [R] **test**,
[TS] **arch**, [TS] **prais**, [XT] **xtgls**, [XT] **xtpcse**,
[XT] **xtrc**, [XT] **xtrg**
- Griliches, Z., [ME] **me**, [R] **hetoprobit**, [XT] **xtgls**,
[XT] **xtnbreg**, [XT] **xtpcse**, [XT] **xtpoisson**,
[XT] **xtrc**
- Grilli, L., [XT] **xtmlogit**
- Grimes, J. M., [ST] **stintreg**
- Grimm, R. H., [PSS-2] **power repeated**
- Grimmett, G., [M-5] **halton()**
- Grissetti, R., [R] **betareg**
- Grissom, R. J., [R] **esize**, [R] **regress postestimation**
- Gritz, E. R., [META] **meta mvregress**
- Grizzle, J. E., [R] **vwls**
- Groenen, P. J. F., [MV] **mds**, [MV] **mds**
postestimation, [MV] **mdslong**, [MV] **mdsmat**
- Grogger, J. T., [R] **tnbreg**, [R] **tpoisson**
- Gronau, R., [R] **heckman**, [SEM] **Example 45g**
- Groothuis-Oudshoorn, C. G. M., [MI] **Intro**
substantive, [MI] **mi impute chained**
- Gropper, D. M., [R] **frontier**, [XT] **xtfrontier**
- Gross, A. J., [ST] **ltable**
- Grosskopf, R. F. S., [M-5] **LinearProgram()**
- Grotti, R., [XT] **xtabond**, [XT] **xtddp**, [XT] **xtddpsys**,
[XT] **xtprobit**
- Grundmann, H., [D] **icd10**
- Grunfeld, Y., [XT] **xtgls**, [XT] **xtpcse**, [XT] **xtrc**
- Grzebyk, M., [ST] **sts**
- Gu, A., [P] **_robust**
- Guallar, E., [META] **meta summarize**
- Guan, W., [R] **bootstrap**
- Guenther, W. C., [PSS-2] **power onecorrelation**
- Guerrey, A.-M., [G-2] **graph twoway histogram**
- Guidolin, M., [TS] **mswitch**
- Guilkey, D. K., [XT] **xtprobit**
- Guillemot, M., [M-5] **cholesky()**
- Guimarães, P., [XT] **xtnbreg**, [XT] **xtpoisson**
- Guinea-Martin, D., [R] **Inequality**
- Guo, S., [TE] **stteffects intro**, [TE] **stteffects**
ipw, [TE] **stteffects ipwra**, [TE] **stteffects**
postestimation, [TE] **stteffects ra**, [TE] **stteffects**
wra, [TE] **tebalance**
- Gurevitch, J., [META] **Intro**
- Gurmu, S., [R] **cpoisson**, [R] **zioprobit**
- Gutiérrez, I., [TE] **teffects nnmatch**, [TE] **teffects**
psmatch

Gutierrez, R. G., [CM] **cmmlxlogit**, [ME] **me**,
[ME] **melogit**, [ME] **meoprobit**,
[ME] **mepoisson**, [ME] **mestreg**, [R] **frontier**,
[R] **lpolym**, [R] **lrtest**, [R] **nbreg**, [R] **nregress**
kernel, [ST] **stcox**, [ST] **streg**, [ST] **streg**
postestimation, [XT] **xt**
Gutiérrez-Vargas, A. A., [CM] **Intro 6**

H

Haaland, J.-A., [G-1] **Graph intro**
Haan, P., [CM] **cmmprobit**, [R] **mlogit**, [R] **mprobit**
Haario, H., [BAYES] **Intro**, [BAYES] **bayesmh**
Haas, K., [M-5] **moptimize()**
Haas, R. W., [FN] **Random-number functions**
Hackell, J., [R] **prtest**
Hadamard, J. S., [FN] **Matrix functions**
Hadi, A. S., [R] **poisson**, [R] **regress**, [R] **regress**
postestimation, [R] **regress postestimation**
diagnostic plots
Hadorn, D. C., [R] **brier**
Hadri, K., [XT] **xtunitroot**
Haenszel, W., [IRT] **difmh**, [META] **Intro**,
[META] **meta summarize**, [META] **Glossary**,
[PSS-2] **power cmh**, [R] **Epitab**, [ST] **strate**,
[ST] **sts test**
Hafner, K. B., [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**
onemean, [PSS-3] **ciwidth twomeans**,
[PSS-3] **ciwidth onevariance**
Haghighi, E. F., [RPT] **markdown**, [U] **3.9 References**,
[U] **18.14 References**
Hahn, G. J., [M-5] **moptimize()**, [PSS-3] **Intro**
(ciwidth), [PSS-3] **ciwidth onemean**
Hahn, J., [R] **ivregress postestimation**
Hair, J. F., Jr., [CM] **Intro 6**, [CM] **cmrologit**
Hajian-Tilaki, K. O., [R] **rocreg**
Hajivassiliou, V. A., [CM] **cmmprobit**
Halbmeier, C., [ME] **mixed**
Hald, A., [R] **qreg**, [R] **regress**, [R] **signrank**,
[R] **summarize**
Haldane, J. B. S., [R] **Epitab**, [R] **ranksum**
Hall, A. D., [R] **frontier**
Hall, A. R., [R] **gmm**, [R] **gmm postestimation**,
[R] **ivpoisson**, [R] **ivpoisson postestimation**,
[R] **ivregress**, [R] **ivregress postestimation**,
[XT] **xtcointtest**
Hall, B. H., [M-5] **optimize()**, [ME] **me**, [R] **glm**,
[TS] **arch**, [TS] **arma**, [XT] **xtnbreg**,
[XT] **xtpoisson**
Hall, N. S., [R] **anova**
Hall, P., [R] **bootstrap**, [R] **qreg**, [R] **regress**
postestimation time series
Hall, R. E., [M-5] **optimize()**, [R] **glm**, [TS] **arch**,
[TS] **arma**
Hall, W. J., [MV] **biplot**, [R] **roccomp**, [R] **rocfit**,
[R] **roctab**
Haller, A. O., [SEM] **Example 7**
Halley, E., [ST] **ltable**
Hallock, K., [M-5] **LinearProgram()**, [R] **qreg**

Halpin, B., [MI] **mi impute**
Halton, J. H., [M-5] **halton()**
Halvorsen, K. T., [R] **tabulate twoway**
Hamaker, E. L., [TS] **mswitch**
Hamann, U., [MV] **measure_option**
Hambleton, R. K., [IRT] **irt**, [SEM] **Example 28g**,
[SEM] **Example 29g**
Hamel, J.-F., [IRT] **irt pcm**
Hamer, R. M., [MV] **mds**, [MV] **mdslong**,
[MV] **mdsmat**
Hamerle, A., [R] **clogit**
Hamilton, J. D., [BAYES] **bayesvarstable**, [P] **matrix**
eigenvalues, [R] **gmm**, [TS] **Time series**,
[TS] **arch**, [TS] **arma**, [TS] **arma**,
[TS] **corrgram**, [TS] **dfuller**, [TS] **estat**
aroots, [TS] **fcast compute**, [TS] **forecast**
solve, [TS] **irf**, [TS] **irf create**, [TS] **mswitch**,
[TS] **mswitch postestimation**, [TS] **pergram**,
[TS] **pperron**, [TS] **psdensity**, [TS] **sspace**,
[TS] **sspace postestimation**, [TS] **tsfilter**,
[TS] **ucm**, [TS] **var intro**, [TS] **var**, [TS] **var**
svar, [TS] **vargranger**, [TS] **varnorm**,
[TS] **varsoc**, [TS] **varstable**, [TS] **varwle**,
[TS] **vec intro**, [TS] **vec**, [TS] **vecnorm**,
[TS] **vecrank**, [TS] **vecstable**, [TS] **xcorr**,
[TS] **Glossary**
Hamilton, L. C., [G-1] **Graph intro**, [MV] **factor**,
[MV] **screplot**, [R] **ladder**, [R] **lv**, [R] **regress**,
[R] **regress postestimation**, [R] **regress**
postestimation diagnostic plots, [R] **rreg**,
[R] **ttest**
Hammarling, S., [M-1] **LAPACK**, [M-5] **lapack()**,
[P] **matrix eigenvalues**
Hammersley, J. M., [M-5] **halton()**
Hampel, F. R., [D] **egen**, [R] **rreg**,
[U] **20.26 References**
Han, S., [R] **intreg**, [R] **qreg**, [R] **tobit**
Hand, D. J., [BAYES] **bayesmh**, [ME] **menl**,
[MV] **biplot**, [MV] **ca**, [MV] **discrim**, [MV] **mca**
Handscorn, D. C., [M-5] **halton()**
Hanji, M. B., [META] **Intro**
Hankey, B., [ST] **strate**
Hanley, J. A., [R] **roccomp**, [R] **rocfit**, [R] **rocreg**,
[R] **rocreg postestimation**, [R] **rocregplot**,
[R] **roctab**
Hannachi, A., [MV] **pca**
Hannan, E. J., [TS] **sspace**
Hansen, B. E., [R] **nregress intro**, [R] **nregress**
kernel, [R] **nregress series**, [TS] **estat sbssingle**,
[TS] **threshold**
Hansen, C. B., [LASSO] **Lasso intro**, [LASSO] **Lasso**
inference intro, [LASSO] **dsregress**,
[LASSO] **lasso**, [LASSO] **lasso postestimation**,
[LASSO] **poivregress**, [LASSO] **poregress**,
[LASSO] **xpologit**, [LASSO] **xpipoisson**,
[LASSO] **xporegress**, [TE] **DID intro**,
[TE] **telasso**
Hansen, H., [MV] **mvtest**, [MV] **mvtest normality**

- Hansen, L. P., [R] **gmm**, [R] **ivregress**, [R] **ivregress postestimation**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
- Hansen, M. R., [R] **log**
- Hansen, W. B., [ME] **me**, [ME] **meglm**, [ME] **meologit**, [ME] **meoprobit**, [XT] **xtologit**, [XT] **xtoprobit**
- Hao, L., [R] **qreg**
- Harabasz, J., [MV] **cluster**, [MV] **cluster stop**
- Haramoto, H., [FN] **Random-number functions**, [R] **set rngstream**
- Haran, M., [BAYES] **bayesstats summary**
- Harbord, R. M., [ME] **melogit**, [ME] **meoprobit**, [META] **Intro**, [META] **meta**, [META] **meta forestplot**, [META] **meta regress**, [META] **meta funnelplot**, [META] **meta bias**, [META] **meta mvregress**, [R] **roccomp**, [R] **roctab**
- Harden, J. J., [R] **zinb**, [R] **zip**
- Hardin, J. W., [G-1] **Graph intro**, [ME] **meglm postestimation**, [R] **estat ic**, [R] **glm**, [R] **glm postestimation**, [R] **lroc**, [R] **nbreg**, [R] **poisson**, [R] **ranksum**, [R] **signrank**, [R] **tnbreg**, [R] **tpoisson**, [R] **zinb**, [R] **zip**, [XT] **xtgee**, [XT] **xtpoisson**
- Hardouin, J.-B., [IRT] **irt**, [IRT] **irt pcm**
- Hardy, R. J., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **meta regress**
- Harel, O., [MI] **mi estimate**
- Hargreaves, J., [PSS-2] **power**
- Haritou, A., [R] **suest**
- Harkness, J., [R] **ivprobit**, [R] **ivtobit**
- Harley, J. B., [PSS-2] **power cox**
- Harman, H. H., [MV] **factor**, [MV] **factor postestimation**, [MV] **rotate**, [MV] **rotatemat**
- Harrell, F. E., Jr., [R] **mkspline**, [R] **ologit**, [ST] **stcox postestimation**
- Harring, J. R., [ME] **menl**
- Harrington, D. P., [ST] **stcox**, [ST] **sts test**
- Harris, E. K., [MV] **discrim**, [MV] **discrim logistic**
- Harris, J. E., [META] **meta regress**
- Harris, M. N., [R] **zioprobit**
- Harris, R. D. F., [XT] **xtunitroot**
- Harris, R. J., [META] **Intro**, [META] **meta**, [META] **meta forestplot**, [META] **meta bias**, [MV] **canon postestimation**
- Harris, R. L., [R] **QC**
- Harris, S. C., [ME] **menl**
- Harris, T., [R] **nbreg**, [R] **poisson**, [R] **qreg**, [R] **ranksum**, [R] **signrank**, [R] **zinb**
- Harrison, D. A., [D] **list**, [G-2] **graph twoway histogram**, [PSS-2] **Intro (power)**, [R] **histogram**, [R] **tabulate oneway**, [R] **tabulate twoway**
- Harrison, J., [BAYES] **Intro**
- Harrison, J. A., [R] **dstdize**
- Harrison, J. M., [ST] **stcrreg**
- Harrison, L. H., [D] **icd10**
- Hart, P. E., [MV] **cluster**, [MV] **cluster stop**
- Harter, J. K., [META] **Intro**
- Hartigan, J. A., [G-2] **graph matrix**, [MV] **cluster dendrogram**
- Hartley, H. O., [MI] **Intro substantive**, [MI] **mi impute**
- Hartmann, D. P., [R] **icc**
- Hartung, J., [META] **Intro**, [META] **meta summarize**, [META] **meta regress**, [META] **meta bias**, [META] **meta mvregress**
- Hartzel, J., [XT] **xtmlogit**
- Harvey, A. C., [R] **hetoprobit**, [R] **hetprobit**, [R] **hetregress**, [TS] **arch**, [TS] **arima**, [TS] **prais**, [TS] **psdensity**, [TS] **sspace**, [TS] **sspace postestimation**, [TS] **tsfilter**, [TS] **tsfilter hp**, [TS] **tssmooth hwinters**, [TS] **ucm**, [TS] **var svar**
- Harville, D. A., [ME] **meglm**, [ME] **mixed**
- Hasebe, T., [TE] **etpoisson**
- Hassell, J. F., [ST] **sts**
- Hassink, W. H. J., [MV] **cluster**
- Hassler, U., [TS] **irf create**
- Hastie, T. J., [LASSO] **Lasso intro**, [LASSO] **elasticnet**, [LASSO] **lasso**, [LASSO] **lassogof**, [LASSO] **lassoknots**, [LASSO] **lasso options**, [LASSO] **sqrlasso**, [M-5] **LinearProgram()**, [MV] **discrim knn**, [R] **grmeanby**, [R] **slogit**
- Hastings, W. K., [BAYES] **Intro**, [BAYES] **bayesmh**
- Hastorf, A. H., [R] **Epitab**
- Hauck, W. W., [R] **pkequiv**, [XT] **xtcloglog**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtoprobit**
- Haughton, J. H., [R] **Inequality**
- Hauser, M. A., [TS] **arfima**
- Hausman, J. A., [CM] **Intro 6**, [CM] **cmrlogit**, [CM] **nlogit**, [M-5] **optimize()**, [ME] **me**, [R] **glm**, [R] **hausman**, [R] **ivregress postestimation**, [R] **suest**, [SEM] **estat residuals**, [SEM] **Methods and formulas for sem**, [TS] **arch**, [TS] **arima**, [XT] **xhtaylor**, [XT] **xtnbreg**, [XT] **xtpoisson**, [XT] **xtrg postestimation**
- Havnes, T., [R] **Inequality**
- Hawkins, C. M., [PSS-2] **power repeated**
- Hawkins, D. F., [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
- Hay, D. C., [META] **Intro**
- Hayashi, F., [R] **gmm**, [R] **ivpoisson**, [R] **ivregress**, [R] **ivregress postestimation**
- Hayes, R. J., [PSS-2] **power**, [R] **permute**, [R] **prtest**
- Hayes, T. L., [META] **Intro**
- Hays, R. D., [IRT] **irt**, [R] **lincom**, [R] **mlogit**, [R] **mprobit**, [R] **mprobit postestimation**, [R] **predictnl**, [R] **slogit**
- Hays, W. L., [R] **esize**
- Hayter, A. J., [ERM] **eprobit**, [M-5] **mvnrmal()**
- Haywood, P., [META] **meta data**
- He, X., [ST] **stcox PH-assumption tests**
- Heafner, T., [META] **meta forestplot**

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- Jann, B., [G-2] **graph twoway**, [G-2] **graph twoway bar**, [G-2] **palette**, [G-2] **set scheme**, [G-3] **addplot_option**, [G-4] **colorstyle**, [G-4] **Schemes intro**, [P] **mark**, [R] **estimates store**, [R] **Inequality**, [R] **ksmirnov**, [R] **marginsplot**, [R] **rreg**, [R] **Stored results**, [R] **tabulate twoway**, [RPT] **dyndoc**, [RPT] **dyntext**, [RPT] **markdown**, [RPT] **putdocx intro**, [RPT] **putpdf begin**, [SVY] **sy: tabulate twoway**, [TABLES] **Intro**, [TE] **tebalance**
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- Jonckheere, A. R., [R] **nptrend**
- Jones, A. M., [FMM] **fmm intro**, [R] **heckman**, [R] **logit**, [R] **probit**
- Jones, B. D., [TS] **mswitch**
- Jones, B. S., [ST] **stcox**, [ST] **streg**
- Jones, B. T., [ST] **stcox postestimation**
- Jones, D. R., [META] **Intro**, [META] **meta funnelplot**, [META] **meta bias**, [META] **meta trimfill**
- Jones, G. L., [BAYES] **Intro**, [BAYES] **bayesstats summary**
- Jones, M. C., [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**
- Jones, M. H., [META] **Intro**
- Jones, P. S., [M-5] **Vandermonde()**
- Jonkman, J. N., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **meta regress**, [META] **meta bias**
- Jordan, C., [M-5] **svd()**
- Jordan, S., [TS] **vec**, [TS] **vecrank**
- Jöreskog, K. G., [MV] **factor postestimation**, [SEM] **estat residuals**
- Jorgensen, M., [FMM] **fmm intro**
- Jorgensen, R. A., [ST] **stcrreg**
- Jorner, U., [G-1] **Graph intro**
- Joshiyura, K., [META] **meta**, [META] **meta mvregress**

Joyce, T., [MV] **cluster dendrogram**
 Joyeux, R., [TS] **arfima**
 Joyner, W. B., [ME] **menl**
 Judge, G. G., [R] **estat ic**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **logit**, [R] **probit**, [R] **regress postestimation**, [R] **test**, [TS] **arch**, [TS] **prais**, [XT] **xtgls**, [XT] **xtpcse**, [XT] **xtrc**, [XT] **xtrcg**
 Judkins, D. R., [SVY] **svy brr**, [SVY] **svyset**, [SVY] **Variance estimation**
 Judson, R. A., [TS] **forecast**
 Julious, S. A., [PSS-2] **Intro (power)**
 Jung, B. C., [ME] **mixed**
 Juul, S., [D] **icd**, [PSS-2] **power twomeans**, [PSS-3] **ciwidth twomeans**, [R] **dstdize**, [R] **roccomp**, [R] **roctab**, [TABLES] **Intro 3**

K

Kachitvichyanukul, V., [FN] **Random-number functions**
 Kackar, R. N., [ME] **mixed**
 Kadane, J. B., [BAYES] **Intro**, [ME] **me**
 Kadiyala, K. R., [BAYES] **bayes: var**
 Kagalwala, A., [TS] **dfgls**, [TS] **dfuller**, [TS] **pperron**
 Kaganove, J. J., [M-5] **Quadrature()**
 Kahaner, D. K., [M-5] **Quadrature()**
 Kahn, H. A., [R] **dstdize**, [R] **Epitab**, [ST] **ltable**, [ST] **stcox**
 Kaiser, H. F., [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
 Kaiser, J., [R] **ksmirnov**, [R] **permute**, [R] **signrank**
 Kalaian, H., [META] **Intro**, [META] **meta mvregress**
 Kalbfleisch, J. D., [ST] **ltable**, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stintcox PH-assumption plots**, [ST] **stintreg**, [ST] **streg**, [ST] **sts**, [ST] **sts test**, [ST] **stset**, [TE] **stteffects intro**, [TE] **stteffects ra**, [XT] **xtcloglog**, [XT] **xtlogit**, [XT] **xtlogit**, [XT] **xtoprobit**, [XT] **xtprobit**
 Kalman, R. E., [TS] **arima**
 Kalmijn, M., [R] **tetrachoric**
 Kalof, L., [D] **describe**, [R] **anova**, [R] **test**
 Kamphuis, J. H., [TS] **mswitch**
 Kang, J. D. Y., [TE] **teffects intro advanced**
 Kantor, D., [D] **cf**, [FN] **Programming functions**
 Kao, C., [XT] **xtcointest**
 Kaplan, D. M., [R] **ivregress**, [R] **ksmirnov**, [R] **qreg**, [R] **test**
 Kaplan, E. L., [ST] **stcrreg**, [ST] **stcrreg postestimation**, [ST] **sts**
 Kapoor, M., [SP] **Intro 8**, [SP] **spxtregress**
 Karakaplan, M. U., [M-5] **LinearProgram()**, [R] **frontier**, [XT] **xtfrontier**
 Karavias, Y., [XT] **xtunitroot**
 Karim, M. R., [ME] **meglm**
 Karlin, S., [TS] **mswitch**
 Karlsson, M. O., [ME] **menl**
 Karlsson, S., [BAYES] **bayes: var**, [BAYES] **bayescast compute**
 Karrison, T. G., [ST] **sts test**
 Karymshakov, K., [ERM] **eprobit**
 Kaspereit, T., [TE] **DID intro**
 Kass, R. E., [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesstats ic**
 Kasza, J., [R] **logistic postestimation**
 Kato, K., [LASSO] **poregress**
 Katti, S. K., [R] **ranksum**, [R] **signrank**
 Katz, J. N., [XT] **xtgls**, [XT] **xtpcse**
 Kaufman, J., [D] **ds**
 Kaufman, L., [MV] **cluster**, [MV] **clustermat**, [MV] **matrix dissimilarity**, [MV] **measure_option**, [P] **matrix dissimilarity**
 Kaufman, R. L., [U] **20.26 References**
 Keane, M. P., [CM] **cmprobit**, [XT] **xtddpd**, [XT] **xtddpsys**
 Keeler, E. B., [R] **brier**
 Keiding, N., [ST] **stcrreg**, [ST] **stsplit**
 Kelejian, H. H., [SP] **Intro**, [SP] **Intro 8**, [SP] **estat moran**, [SP] **spivregress**, [SP] **spivregress postestimation**, [SP] **spregress**, [SP] **spregress postestimation**, [SP] **spxtregress**
 Kelley, K., [R] **esize**, [R] **regress postestimation**
 Kelley, M. E., [R] **ziologit**, [R] **ziologit postestimation**, [R] **zioprobit**
 Kelly, S., [IRT] **irt**
 Kemp, A. W., [FN] **Random-number functions**, [R] **nbreg**, [R] **poisson**
 Kemp, C. D., [FN] **Random-number functions**
 Kempthorne, P. J., [R] **regress postestimation**
 Kendall, D. G., [MV] **mds**
 Kendall, M. G., [MV] **measure_option**, [R] **centile**, [R] **spearman**, [R] **tabulate twoway**
 Kennedy, W. J., Jr., [P] **_robust**, [R] **anova**, [R] **nl**, [R] **regress**, [R] **stepwise**, [SVY] **svy: tabulate twoway**
 Kenny, D. A., [SEM] **Intro 4**, [SEM] **Example 42g**
 Kent, J. T., [MI] **mi impute mvn**, [MV] **discrim**, [MV] **discrim lda**, [MV] **factor**, [MV] **manova**, [MV] **matrix dissimilarity**, [MV] **mds**, [MV] **mds postestimation**, [MV] **mdslong**, [MV] **mdsmat**, [MV] **mvtest**, [MV] **mvtest means**, [MV] **mvtest normality**, [MV] **pca**, [MV] **procrustes**, [P] **matrix dissimilarity**, [P] **_robust**, [U] **20.26 References**
 Kenward, M. G., [ME] **mixed**, [ME] **Glossary**, [MI] **Intro substantive**, [MI] **mi impute**, [XT] **xreg**
 Kerlinger, F. N., [R] **esize**, [R] **regress postestimation**
 Keselman, H. J., [R] **esize**
 Keshk, O. M. G., [ERM] **eregress**
 Kettenring, J. R., [R] **Diagnostic plots**
 Keynes, J. M., [R] **ameans**
 Khan, M. R., [R] **Epitab**
 Khan, S., [R] **hetprobit**
 Khandker, S. R., [R] **Inequality**
 Khanti-Akom, S., [XT] **xthtaylor**
 Khare, M., [MI] **Intro substantive**, [MI] **Intro substantive**

- Khuri, A. I., [ME] **mixed**
- Kicinski, M., [META] **Intro**
- Kiernan, M., [R] **kappa**
- Kieser, M., [PSS-2] **Intro (power)**
- Kilian, L., [TS] **forecast solve**
- Kim, C.-J., [TS] **mswitch**, [TS] **mswitch postestimation**
- Kim, D., [R] **lpoly**, [R] **npregress kernel**, [R] **npregress series**
- Kim, H.-J., [TS] **estat sbsingle**
- Kim, I.-M., [TS] **vec intro**, [TS] **vec**, [TS] **vecrank**
- Kim, J. J., [R] **esize**, [R] **regress postestimation**
- Kim, J. O., [MV] **factor**
- Kim, S., [BAYES] **Intro**, [TS] **threshold**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdpsys**
- Kim, S.-H., [IRT] **irt**, [IRT] **irt nrm**
- Kim, W., [R] **gmm**, [R] **Inequality**
- Kim, Y., [TS] **threshold**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdpsys**
- Kimber, A. C., [ST] **streg**
- Kimbrough, J. W., [MV] **discrim knn**
- Kinderman, A. J., [FN] **Random-number functions**
- King, A. A., [M-2] **Intro**
- King, J., [IRT] **irt**
- King, M., [R] **mlexp**
- King, M. L., [TS] **prais**
- King, R. G., [DSGE] **Intro 3b**, [DSGE] **Intro 3e**, [DSGE] **Intro 3f**, [TS] **tsfilter**, [TS] **tsfilter bk**, [TS] **tsfilter cf**, [TS] **tsfilter hp**, [TS] **vecrank**
- Kinmonth, A. L., [R] **ztest**
- Kirk, R. E., [R] **esize**, [R] **regress postestimation**
- Kirkwood, B. R., [R] **dstdize**, [R] **summarize**
- Kish, L., [P] **_robust**, [R] **loneway**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Variance estimation**, [U] **20.26 References**
- Kitagawa, G., [R] **BIC note**
- Kiviet, J. F., [XT] **xtabond**
- Klar, J., [R] **estat gof**
- Klecka, W. R., [MV] **discrim**, [MV] **discrim lda**
- Kleiber, C., [R] **Inequality**
- Klein, D., [D] **label**, [R] **kappa**
- Klein, J. P., [PSS-2] **power cox**, [ST] **stci**, [ST] **stcox**, [ST] **stcox postestimation**, [ST] **stcrreg**, [ST] **streg**, [ST] **sts**, [ST] **sts graph**, [ST] **sts test**
- Klein, L. R., [R] **reg3**, [R] **reg3 postestimation**, [R] **regress postestimation time series**, [TS] **forecast**, [TS] **forecast adjust**, [TS] **forecast describe**, [TS] **forecast estimates**, [TS] **forecast list**, [TS] **forecast solve**
- Klein, M., [R] **binreg**, [R] **logistic**
- Klein, P., [DSGE] **Intro 3f**, [DSGE] **Intro 5**, [DSGE] **dsge**, [DSGE] **estat stable**
- Kleinbaum, D. G., [R] **binreg**, [R] **Epitab**, [R] **logistic**
- Kleiner, B., [G-2] **graph box**, [G-2] **graph matrix**, [G-3] **by_option**, [R] **Diagnostic plots**, [R] **lowess**, [U] **1.4 References**
- Kleinman, K. P., [MI] **Intro substantive**
- Klema, V. C., [P] **matrix symegen**
- Klevens, R. M., [D] **icd10**
- Kline, R. B., [META] **meta esize**, [R] **esize**, [R] **regress postestimation**, [SEM] **Intro 4**, [SEM] **Example 3**, [SEM] **Example 4**, [SEM] **Example 5**
- Kluve, J., [META] **Intro**
- Kmenta, J., [R] **eivreg**, [R] **ivregress**, [TS] **arch**, [TS] **prais**, [TS] **rolling**, [XT] **xtpcse**
- Knapp, G., [META] **Intro**, [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **meta summarize**, [META] **meta regress**, [META] **meta bias**, [META] **meta mvregress**
- Knechel, W. R., [META] **Intro**
- Knook, D. L., [MI] **Intro substantive**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute monotone**
- Knox Lovell, C. A., [M-5] **LinearProgram()**
- Knuth, D. E., [FN] **Random-number functions**
- Koch, B., [TE] **telasso**
- Koch, G. G., [R] **anova**, [R] **kappa**, [R] **vwls**, [SVY] **svy: tabulate twoway**
- Koebel, C. T., [R] **zioprobit**
- Koehler, A. B., [TS] **tssmooth**, [TS] **tssmooth dexponential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**
- Koehler, K. J., [R] **Diagnostic plots**
- Koenker, R., [M-5] **LinearProgram()**, [R] **qreg**, [R] **regress postestimation**
- Kohberger, R., [R] **prtest**
- Kohler, U., [D] **egen**, [D] **input**, [G-2] **graph twoway rbar**, [MV] **biplot**, [R] **estat classification**, [R] **kdensity**, [R] **regress**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**
- Kohn, R. J., [BAYES] **Intro**, [BAYES] **bayesmh**, [TS] **arima**
- Kokoszka, P., [TS] **irf create**
- Kolenikov, S., [MV] **factor**, [SVY] **svy bootstrap**, [SVY] **Variance estimation**
- Kolesár, M., [TE] **DID intro**, [TE] **didregress**
- Kolev, G. I., [P] **scalar**, [U] **11.7 References**
- Kolmogorov, A. N., [R] **ksmirnov**
- Kondratek, B., [IRT] **irt**
- Konstantopoulos, S., [META] **meta regress**
- Kontopantelis, E., [META] **Intro**, [META] **meta**, [META] **meta summarize**
- Koop, G., [BAYES] **bayesstats ppvalues**
- Koopman, S. J., [R] **regress postestimation time series**, [TS] **ucm**
- Koopmans, T. C., [M-5] **LinearProgram()**, [R] **ivregress**
- Koplenig, A., [FN] **String functions**
- Korin, B. P., [MV] **mvtest**

Korn, E. L., [ME] **mixed**, [PSS-2] **power trend**, [R] **margins**, [R] **ml**, [R] **test**, [SVY] **Survey**, [SVY] **Direct standardization**, [SVY] **estat**, [SVY] **svy**, [SVY] **svy estimation**, [SVY] **svy postestimation**, [SVY] **svy: tabulate twoway**, [SVY] **Variance estimation**

Kottke, T. E., [META] **meta mvregress**

Kotz, S., [CM] **nlogit**, [FN] **Statistical functions**, [R] **Inequality**, [R] **ksmirnov**, [R] **nbreg**, [R] **poisson**, [U] **1.4 References**

Kowalski, A., [R] **intreg**, [R] **qreg**, [R] **tobit**

Kozbur, D., [LASSO] **Lasso intro**

Krakauer, H., [ST] **ltable**

Krakovsky, M., [META] **Intro**

Krall, J. M., [PSS-2] **power cox**

Kramer, C. Y., [MV] **mvtest**, [MV] **mvtest means**, [R] **pwcompare**

Krämer, W., [TS] **estat sbcusum**

Krauss, N., [SVY] **estat**, [SVY] **Subpopulation estimation**, [SVY] **svy bootstrap**, [SVY] **svy estimation**

Kreidberg, M. B., [R] **Epitab**

Kreuter, F., [R] **estat classification**, [R] **kdensity**, [R] **regress**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [SVY] **Survey**

Kreutzmann, A., [ME] **mixed**

Kripfganz, S., [R] **ivregress**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**

Krishnaiah, P. R., [MV] **mvtest**

Krishnamoorthy, K., [MV] **mvtest**, [MV] **mvtest means**, [PSS-2] **power oneproportion**

Kroeber, A. L., [MV] **measure_option**

Krolzig, H.-M., [TS] **mswitch**

Kronecker, L., [M-2] **op_kronecker**

Kroner, K. F., [TS] **arch**

Krull, J. L., [SEM] **Example 42g**

Krus, D. J., [MV] **canon postestimation**

Krushelnysky, B., [R] **Inequality**

Kruskal, J. B., [MV] **mds**, [MV] **mds postestimation**, [MV] **mdslong**, [MV] **mdsmat**, [MV] **Glossary**

Kruskal, W. H., [R] **kwallis**, [R] **ranksum**, [R] **spearman**, [R] **tabulate twoway**

Kshirsagar, A. M., [MV] **discrim lda**, [MV] **pca**

Kublanovskaya, V. N., [M-5] **qrd()**

Kuehl, R. O., [BAYES] **Bayesian commands**, [ME] **me**, [R] **icc**, [R] **oneway**

Kuersteiner, G. M., [SP] **spxtregress**

Kugler, K. C., [FMM] **Example 3**

Kuh, E., [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [U] **18.14 References**

Kulczyński, S., [MV] **measure_option**

Kumar, G., [R] **prtest**

Kumbhakar, S. C., [R] **frontier**, [R] **frontier postestimation**, [XT] **xtfrontier**

Kung, D. S., [R] **qreg**

Künsch, H. R., [U] **20.26 References**

Kunz, C. U., [PSS-2] **Intro (power)**

Kupelnick, B., [META] **Intro**, [META] **meta**, [META] **meta summarize**

Kupper, L. L., [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth onevariance**, [R] **Epitab**

Kuriki, S., [ERM] **eprobit**, [M-5] **mvnormal()**

Kurth, K. H., [META] **meta mvregress**

Kuss, O., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**

Kutner, M. H., [PSS-2] **power oneway**, [R] **pkcross**, [R] **pkequiv**, [R] **pkshape**, [R] **regress**, [R] **regress postestimation**

Kwiatkowski, D., [XT] **xtunitroot**

Kyriazidou, E., [XT] **xheckman**

L

L'Abbé, K. A., [META] **meta labbepplot**

L'Ecuyer, P., [FN] **Random-number functions**, [R] **set rngstream**

Lachenbruch, P. A., [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim lda**, [R] **Diagnostic plots**

Lachin, J. M., [PSS-2] **Intro (power)**, [PSS-2] **power**, [PSS-2] **power pairedproportions**, [PSS-2] **power onecorrelation**, [PSS-2] **power cmh**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**

Lacy, M. G., [R] **ologit**, [R] **oprobit**, [R] **permute**

Laevens, H., [ME] **meintreg**

Lafontaine, F., [R] **boxcox**

Lagakos, S. W., [ST] **stintreg**, [ST] **stintreg postestimation**

Lahiri, K., [R] **tobit**, [XT] **xtgls**

Lai, K. S., [TS] **dfgls**

Lai, S., [R] **xlogistic**

Laird, N. M., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **mestreg**, [ME] **mixed**, [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **Glossary**, [MI] **Intro substantive**, [MI] **mi impute mvn**, [R] **expoisson**

Lakatos, E., [PSS-2] **power exponential**, [PSS-2] **power logrank**

Lal, R., [FN] **Random-number functions**

Lalanee, C., [R] **anova**, [R] **logistic**

Lambert, D., [R] **ziologit**, [R] **zioprobit**, [R] **zip**

Lambert, P. C., [FMM] **Example 4**, [META] **meta data**, [META] **meta esize**, [META] **meta mvregress**, [PSS-2] **Intro (power)**, [R] **poisson**, [ST] **Survival analysis**, [ST] **stcox**, [ST] **stcrreg**, [ST] **stptime**, [ST] **streg**

LaMotte, L. R., [ME] **me**, [ME] **meglm**, [ME] **mixed**

Lan, K. K. G., [PSS-2] **power exponential**, [PSS-2] **power logrank**

Lancaster, T., [XT] **xtmlogit**

Lance, G. N., [MV] **cluster**

Landau, S., [MV] **cluster**, [MV] **cluster stop**

Landesman Ramey, S., [PSS-2] **power repeated**

- Landis, J. R., [R] **kappa**
- Lando, H. A., [META] **meta mvregress**
- Lane, M. A., [SVY] **Survey**, [SVY] **svy estimation**
- Lane, P. W., [R] **margins**, [TE] **teffects intro advanced**
- Lane-Claypon, J. E., [R] **Epitab**
- Lang, K., [TE] **DID intro**, [TE] **didregress**, [XT] **xtdidregress**
- Langan, D., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**
- Lange, K., [R] **qreg**
- Lange, S. M., [ST] **sterreg**
- Langford, I. H., [ME] **menbreg**, [ME] **mepoisson**, [SEM] **Example 39g**
- Langholz, B., [ST] **sttoce**
- Lanza, S. T., [FMM] **Example 3**
- Laplace, P.-S., [R] **regress**
- LaRosa, J., [PSS-2] **power repeated**
- Larrimore, J., [MI] **Intro substantive**
- Larsen, W. A., [R] **regress postestimation diagnostic plots**
- Lash, T. L., [R] **ci**, [R] **Epitab**, [R] **poisson**
- Latouche, A., [ST] **sterreg**
- Lau, J., [META] **Intro**, [META] **meta**, [META] **meta summarize**, [META] **meta funnelplot**, [META] **meta bias**
- Laub, P. J., [XT] **xtdpd**
- Laurent, S., [TS] **mgarch**
- Lauritsen, J. M., [D] **labelbook**
- Lauritzen, S. L., [R] **summarize**
- LaVange, L. M., [PSS-2] **power repeated**
- Lavori, P. W., [PSS-2] **power cox**
- Lawless, J. F., [PSS-2] **Intro (power)**, [ST] **ltable**
- Lawley, D. N., [MV] **canon**, [MV] **factor**, [MV] **factor postestimation**, [MV] **manova**, [MV] **mvtest**, [MV] **mvtest correlations**, [MV] **pca**
- Lawlor, D. A., [ME] **mixed**
- Layard, R., [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xtivreg**
- Lazar, N. A., [U] **20.26 References**
- Le, C. T., [PSS-2] **power logrank**, **cluster**
- LeBuhn, G., [META] **Intro**
- Lechner, M., [TE] **DID intro**, [TE] **didregress**
- Ledermann, W., [M-5] **schurd()**
- Ledolter, J., [TS] **tssmooth**, [TS] **tssmooth dexpontential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**
- Lee, A. J., [META] **meta regress**, [META] **meta mvregress**
- Lee, C. H., [MV] **cluster**
- Lee, E. S., [R] **dstdize**
- Lee, E. T., [R] **roccomp**, [R] **rocfits**, [R] **roctab**, [ST] **streg**
- Lee, H. B., [R] **esize**, [R] **regress postestimation**
- Lee, J. C., [MV] **mvtest**
- Lee, J. D., [LASSO] **Lasso intro**
- Lee, J.-S., [R] **heckman**
- Lee, J. W., [ME] **me**
- Lee, K. J., [MI] **Intro substantive**, [MI] **mi impute**
- Lee, K. L., [ST] **stcox postestimation**
- Lee, L.-F., [ERM] **eintreg**, [ERM] **eooprobit**, [ERM] **eprobit**, [ERM] **eregress**, [SP] **Intro**, [SP] **spregress**, [SP] **spxtregress**, [XT] **xthheckman**, [XT] **xtreg**
- Lee, P., [ST] **streg**
- Lee, S., [D] **drawnorm**, [FN] **Random-number functions**
- Lee, T.-C., [R] **estat ic**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **logit**, [R] **probit**, [R] **regress postestimation**, [R] **test**, [TS] **arch**, [TS] **prais**, [XT] **xtgls**, [XT] **xtpcse**, [XT] **xtrc**, [XT] **xtreg**
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- Lee, Y. J., [R] **eivreg**
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- Leese, M., [MV] **cluster**, [MV] **cluster stop**
- Legendre, A.-M., [R] **regress**
- Legrand, R., [BAYES] **bayes: var**
- Lehmann, E. L., [R] **oneway**
- Lei-Gomez, Q., [TE] **teffects intro advanced**
- Leisenring, W., [ST] **sterreg**
- Lemeshow, S. A., [PSS-2] **power mcc**, [PSS-2] **power cox**, [R] **clogit**, [R] **clogit postestimation**, [R] **estat classification**, [R] **estat gof**, [R] **glm**, [R] **lincom**, [R] **logistic**, [R] **logistic postestimation**, [R] **logit**, [R] **logit postestimation**, [R] **lroc**, [R] **lrtest**, [R] **lsens**, [R] **mlogit**, [R] **predictnl**, [R] **stepwise**, [RPT] **dyndoc**, [RPT] **putdocx intro**, [RPT] **set docx**, [SEM] **Example 33g**, [SEM] **Example 34g**, [ST] **stcox**, [ST] **streg**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Poststratification**, [XT] **xtgee**
- Lenth, R. V., [PSS-2] **Intro (power)**
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- Leonard, M., [XT] **xtgee**
- Lepkowski, J. M., [MI] **Intro substantive**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute logit**, [MI] **mi impute mlogit**, [MI] **mi impute monotone**, [MI] **mi impute ologit**, [MI] **mi impute poisson**, [MI] **mi impute truncreg**
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- LeSage, G., [ST] **sterreg**
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- Levendis, J. D., [D] **import**, [TS] **arch**, [TS] **arima**, [TS] **tsline**
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- Levinsohn, J. A., [R] **frontier**
- Levy, D. E., [R] **sunflower**
- Levy, M., [MI] **Intro substantive**, [MI] **mi impute**
- Levy, P. S., [SVY] **Survey**, [SVY] **Poststratification**
- Lewbel, A., [R] **ivregress**
- Lewis, D., [MI] **mi estimate**
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- Lewis, I. G., [R] **binreg**
- Lewis, J., [META] **meta esize**, [META] **meta summarize**
- Lewis, J. A., [META] **Intro**, [META] **meta forestplot**
- Lewis, J. D., [R] **fp**
- Lewis, S., [META] **meta forestplot**
- Lewis, S. M., [BAYES] **Intro**, [BAYES] **bayesstats ic**
- Lexis, W. H., [ST] **stsplit**
- Leyland, A. H., [ME] **mepoisson**, [ME] **mestreg**
- Li, C., [MI] **Intro substantive**, [SEM] **Intro 4**
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- Li, G., [R] **rreg**
- Li, J., [R] **npregress series**, [ST] **stintcox**, [ST] **stintreg**, [TS] **arima**, [XT] **xtdpd**
- Li, K.-H., [MI] **Intro substantive**, [MI] **mi estimate**, [MI] **mi impute mvn**, [MI] **mi test**
- Li, L., [R] **frontier**, [XT] **xtfrontier**
- Li, N., [MI] **Intro substantive**
- Li, Q., [R] **npregress intro**, [R] **npregress kernel**, [R] **npregress series**, [XT] **xtivreg**, [XT] **xtrreg postestimation**, [XT] **xtrregar**
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- Liao, Z., [LASSO] **lasso**, [R] **npregress series**, [TS] **arima**
- Libois, F., [R] **fp**, [XT] **xtrreg**
- Lichman, M., [BAYES] **bayesmh**
- Lieberman, O., [TS] **mgarch**
- Ligges, U., [BAYES] **bayesmh**
- Light, R. J., [META] **Intro**, [META] **meta**, [META] **meta funnelplot**
- Likert, R. A., [MV] **alpha**
- Lilien, D. M., [TS] **arch**
- Lilienfeld, D. E., [R] **Epitab**
- Lim, G. C., [R] **cnsreg**, [R] **hetregress**, [R] **regress**, [R] **regress postestimation**, [TS] **arch**
- Lima, M., [MV] **cluster dendrogram**
- Lin, C.-F., [XT] **xtcointtest**, [XT] **xtunitroot**
- Lin, D. Y., [P] **_robust**, [ST] **stcox**, [ST] **stcrreg**, [ST] **stintcox**, [SVY] **svy estimation**, [TE] **stteffects ipwra**, [U] **20.26 References**
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- Lindelow, M., [SVY] **svy estimation**, [SVY] **svyset**
- Linden, A., [META] **Intro**, [R] **Epitab**, [TE] **teffects intro**, [TS] **estat sbknown**, [TS] **mswitch**, [TS] **threshold**
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- Lindley, D. V., [R] **ci**
- Lindor, K. D., [ST] **sterreg**
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- Lindsey, C., [D] **drawnorm**, [R] **boxcox**, [R] **gmm**, [R] **gmm postestimation**, [R] **lowess**, [R] **margins**, [R] **marginsplot**, [R] **mlexp**, [R] **nestreg**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [R] **stepwise**, [SEM] **gsem**
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- Liu, Q., [ME] **me**
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- Lockwood, J. R., [R] **areg**, [R] **eivreg**, [XT] **xtreg**
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- Loftsgaarden, D. O., [MV] **discrim knn**
- Lokhnygina, Y., [PSS-2] **Intro (power)**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power exponential**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**
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- López-de-Ullibarri, I., [R] **kdensity**
- López-Feldman, A., [R] **Inequality**
- López-López, J. A., [META] **Intro**, [META] **meta summarize**, [META] **meta regress**
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- Louis, T. A., [BAYES] **Intro**, [R] **tabulate twoway**
- Loutit, I., [R] **QC**
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- Lovelace, L., [M-2] **Intro**
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- Lovie, A. D., [R] **spearman**
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- Lu, H.-M., [TS] **mswitch**
- Lu, J. Y., [TS] **prais**
- Lu, L., [ERM] **eregress**
- Lu, X., [R] **npregress kernel**
- Lucas, H. L., [R] **pkcross**
- Luce, R. D., [CM] **cmrologit**
- Luchman, J. N., [R] **stepwise**
- Luckman, B., [MV] **screepplot**
- Ludden, T. M., [ME] **menl**
- Ludwig, J., [ST] **sterreg**
- Luedicke, J., [CM] **cmmprobit**, [R] **gmm**
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- Lunn, M., [ST] **sterreg**
- Lunt, M., [R] **slogit**, [TE] **teffects multivalued**
- Luque-Fernandez, M. A., [R] **roc**
- Lurie, M. B., [MV] **manova**
- Lustig, I. J., [M-5] **LinearProgram()**
- Lütkepohl, H., [BAYES] **bayes: var**, [BAYES] **bayesvarstable**, [M-5] **Dmatrix()**, [M-5] **Kmatrix()**, [M-5] **Lmatrix()**, [R] **estat ic**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **logit**, [R] **probit**, [R] **regress postestimation**, [R] **test**, [TS] **Time series**, [TS] **arch**, [TS] **dfactor**, [TS] **fcst compute**, [TS] **irf**, [TS] **irf create**, [TS] **mgarch dveh**, [TS] **prais**, [TS] **sspace**, [TS] **sspace postestimation**, [TS] **var intro**, [TS] **var**, [TS] **var svar**, [TS] **varbasic**, [TS] **vargranger**, [TS] **varnorm**, [TS] **varsoc**, [TS] **varstable**, [TS] **varwle**, [TS] **vec intro**, [TS] **vecnorm**, [TS] **vecrank**, [TS] **vecstable**, [XT] **xtgls**, [XT] **xtpcse**, [XT] **xtreg**, [XT] **xtreg**
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M

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- Ma, S., [FMM] **Example 4**
- Ma, X., [R] **npregress intro**
- Maas, B., [BAYES] **bayesm**
- Macaskill, P., [META] **Intro**, [META] **meta regress**, [META] **meta funnelplot**, [META] **meta bias**
- MacDonald, K., [G-4] **Schemes intro**, [R] **margins**, [R] **marginsplot**, [R] **npregress kernel postestimation**, [SEM] **estat ginvariant**, [SEM] **sem**
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- Mack, T. M., [R] **symmetry**

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- MacKinnon, J. G., [DSGE] **Glossary**, [P] **└robust**, [R] **bootstrap**, [R] **boxcox**, [R] **cnsreg**, [R] **gmm**, [R] **intreg**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **mlogit**, [R] **nl**, [R] **nlstur**, [R] **reg3**, [R] **regress**, [R] **regress postestimation time series**, [R] **truncreg**, [TE] **DID intro**, [TE] **didregress**, [TS] **arch**, [TS] **arima**, [TS] **dfuller**, [TS] **pperron**, [TS] **prais**, [TS] **sspace**, [TS] **varlmar**, [TS] **Glossary**, [U] **20.26 References**, [XT] **xtgls**, [XT] **xtpcse**
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- Madansky, A., [R] **runtest**
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- Magazzini, L., [TS] **threshold**, [XT] **xtnet**
- Magnus, J. R., [TS] **var svar**
- Magnusson, L. M., [R] **gmm**, [R] **ivprobit**, [R] **ivregress**, [R] **ivtobit**
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- Mairesse, J., [ERM] **eintreg**
- Maitra, C., [ERM] **eregress**
- Makles, A., [MV] **cluster kmeans and kmedians**
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- Malitz, F., [IRT] **irt**
- Mallick, B. K., [BAYES] **Intro**
- Mallows, C. L., [R] **regress postestimation diagnostic plots**
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- Mammi, I., [MV] **pca**
- Manca, A., [R] **betareg**
- Manchul, L., [ST] **stcrreg**, [ST] **stcrreg postestimation**
- Mandel, J., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **meta regress**
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- Mansuy, R., [ST] **stcox postestimation**
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- Mantel, N., [IRT] **difmh**, [META] **Intro**, [META] **meta esize**, [META] **meta summarize**, [META] **Glossary**, [PSS-2] **power cmh**, [R] **Epitab**, [R] **stepwise**, [ST] **strate**, [ST] **sts test**
- Mao, L., [ST] **stintcox**
- Mao, S., [ERM] **eoprobit**
- Maravall, A., [TS] **tsfilter hp**
- Marcellino, M., [XT] **xtunitroot**
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- Maris, G., [IRT] **irt 3pl**
- Mark, D. B., [ST] **stcox postestimation**
- Markel, H., [R] **Epitab**
- Markov, A., [BAYES] **Intro**
- Markowski, C. A., [R] **sdtest**
- Markowski, E. P., [R] **sdtest**
- Marks, H. M., [ST] **sts**
- Marquardt, D. W., [M-5] **moptimize()**, [M-5] **optimize()**
- Marr, J. W., [SEM] **Example 48g**, [ST] **stsplit**
- Marsaglia, G., [FN] **Random-number functions**
- Marschak, J., [R] **ivregress**
- Marsh, H. W., [SEM] **Example 19**
- Marsh, J., [PSS-2] **Intro (power)**
- Marsten, R. E., [M-5] **LinearProgram()**
- Martin, M. E., [SVY] **svy: tabulate oneway**
- Martin, W., [R] **Epitab**, [R] **regress**

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- Mascher, K., [R] **rocreg**, [R] **rocreg** postestimation, [R] **rocregplot**
- Massey, F. J., Jr., [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [R] **ttest**, [R] **ztest**
- Massey, J. T., [R] **boxcox**, [R] **etable**, [R] **marginsplot**, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **table summary**, [R] **table hypothesis tests**, [R] **table regression**, [RPT] **putdocx collect**, [RPT] **putdocx table**, [RPT] **putpdf collect**, [RPT] **putpdf table**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Subpopulation estimation**, [SVY] **svy**, [SVY] **svy brr**, [SVY] **svy estimation**, [SVY] **svy jackknife**, [SVY] **svy postestimation**, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**, [SVY] **svydescribe**, [TABLES] **collect addtags**, [TABLES] **collect composite**, [TABLES] **collect label**, [TABLES] **collect notes**, [TABLES] **collect recode**, [TABLES] **collect remap**, [TABLES] **collect title**, [TABLES] **collect use**, [TABLES] **collect layout**, [TABLES] **collect style column**, [TABLES] **collect style _cons**, [TABLES] **collect style notes**, [TABLES] **collect style row**, [TABLES] **collect style showbase**, [TABLES] **collect style showempty**, [TABLES] **collect style table**, [TABLES] **collect style title**, [TABLES] **collect style use**, [TABLES] **Example 1**, [TABLES] **Example 2**, [TABLES] **Example 3**, [TABLES] **Example 4**, [TABLES] **Example 5**, [TABLES] **Example 6**, [TABLES] **Example 7**
- Masten, M. A., [R] **ivregress**
- Master, I. M., [R] **exlogistic**
- Masters, G. N., [IRT] **irt pcm**
- Mastrucci, M. T., [R] **exlogistic**
- Masyn, K. E., [SEM] **Example 52g**, [SEM] **Methods and formulas for gsem**
- Mathew, T., [ME] **mixed**
- Mathews, P., [PSS-2] **power twovariances**
- Mathur, C., [FMM] **Example 3**
- Matsumoto, M., [FN] **Random-number functions**, [R] **set rng**, [R] **set rngstream**, [R] **set seed**
- Matta, B., [R] **gmm**, [R] **ivregress**
- Matthews, J. N. S., [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power cmh**, [R] **ameans**, [R] **expoisson**, [R] **sdtest**
- Mátyás, L., [R] **gmm**
- Maurel, A., [R] **heckman**, [R] **ivregress**
- Maurer, K., [R] **boxcox**, [R] **etable**, [R] **marginsplot**, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **table summary**, [R] **table hypothesis tests**, [R] **table regression**, [RPT] **putdocx collect**, [RPT] **putdocx table**, [RPT] **putpdf collect**, [RPT] **putpdf table**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Subpopulation estimation**, [SVY] **svy**, [SVY] **svy brr**, [SVY] **svy estimation**, [SVY] **svy jackknife**, [SVY] **svy postestimation**, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**, [SVY] **svydescribe**, [TABLES] **collect addtags**, [TABLES] **collect composite**, [TABLES] **collect label**, [TABLES] **collect notes**, [TABLES] **collect recode**, [TABLES] **collect remap**, [TABLES] **collect title**, [TABLES] **collect use**, [TABLES] **collect layout**, [TABLES] **collect style column**, [TABLES] **collect style _cons**, [TABLES] **collect style notes**, [TABLES] **collect style row**, [TABLES] **collect style showbase**, [TABLES] **collect style showempty**, [TABLES] **collect style table**, [TABLES] **collect style title**, [TABLES] **collect style use**, [TABLES] **Example 1**, [TABLES] **Example 2**, [TABLES] **Example 3**, [TABLES] **Example 4**, [TABLES] **Example 5**, [TABLES] **Example 6**, [TABLES] **Example 7**
- Maxand, S., [XT] **xtcointtest**, [XT] **xtgls**
- Maxwell, A. E., [MV] **factor**, [MV] **factor postestimation**, [R] **symmetry**
- May, S., [MV] **canon**, [MV] **discrim**, [MV] **factor**, [MV] **pca**, [PSS-2] **power cox**, [R] **stepwise**, [ST] **stcox**, [ST] **streg**
- Mayer, A., [R] **ologit**, [R] **oprobit**
- Mayer, K. U., [ME] **mestreg**
- Mayr, E., [MV] **cluster dendrogram**
- Mazliak, L., [ST] **stcox postestimation**
- Mazrekaj, D., [D] **joinby**, [D] **merge**
- Mazumdar, M., [META] **Intro**, [META] **meta bias**, [META] **Glossary**
- Mazya, V. G., [FN] **Matrix functions**
- McAleer, M., [TS] **mgarch**, [U] **20.26 References**
- McBride, J. B., [ME] **mixed**
- McCabe, S. E., [SVY] **estat**
- McCaffrey, D. F., [R] **areg**, [R] **eivreg**, [TE] **DID intro**, [TE] **didregress**, [XT] **xtreg**
- McCallum, A. H., [R] **intreg**, [R] **tobit**
- McCarthy, P. J., [SVY] **Survey**, [SVY] **svy bootstrap**, [SVY] **svy brr**, [SVY] **Variance estimation**
- McCathie, A., [MV] **pca**, [R] **rreg**
- McCleary, S. J., [R] **regress postestimation diagnostic plots**
- McClish, D. K., [R] **rocreg**
- McCrary, J., [TE] **stteffects ipwra**, [TE] **teoverlap**

- McCullagh, P., [CM] **cmrlogit**, [LASSO] **lassogof**, [ME] **meglm postestimation**, [R] **binreg**, [R] **binreg postestimation**, [R] **glm**, [R] **glm postestimation**, [R] **hetoprobit**, [R] **ologit**, [XT] **vce_options**, [XT] **xtgee**, [XT] **xtpoisson**
- McCulloch, C. E., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **mestreg**, [ME] **mixed**, [R] **logistic**, [ST] **stcox**, [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**, [TE] **teffects intro advanced**
- McCullough, B. D., [TS] **corrgram**
- McDonald, A., [ME] **menbreg**, [ME] **mepoisson**, [SEM] **Example 39g**
- McDonald, J. A., [R] **sunflower**
- McDonald, J. F., [R] **tobit**, [R] **tobit postestimation**
- McDonald, R. P., [IRT] **irt**
- McDougal, L. K., [D] **icd10**
- McDowell, A., [R] **boxcox**, [R] **etable**, [R] **marginsplot**, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **table summary**, [R] **table hypothesis tests**, [R] **table regression**, [RPT] **putdocx collect**, [RPT] **putdocx table**, [RPT] **putpdf collect**, [RPT] **putpdf table**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Subpopulation estimation**, [SVY] **svy**, [SVY] **svy brr**, [SVY] **svy estimation**, [SVY] **svy jackknife**, [SVY] **svy postestimation**, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**, [SVY] **svydescribe**, [TABLES] **collect addtags**, [TABLES] **collect composite**, [TABLES] **collect label**, [TABLES] **collect notes**, [TABLES] **collect recode**, [TABLES] **collect remap**, [TABLES] **collect title**, [TABLES] **collect use**, [TABLES] **collect layout**, [TABLES] **collect style column**, [TABLES] **collect style _cons**, [TABLES] **collect style notes**, [TABLES] **collect style row**, [TABLES] **collect style showbase**, [TABLES] **collect style showempty**, [TABLES] **collect style table**, [TABLES] **collect style title**, [TABLES] **collect style use**, [TABLES] **Example 1**, [TABLES] **Example 2**, [TABLES] **Example 3**, [TABLES] **Example 4**, [TABLES] **Example 5**, [TABLES] **Example 6**, [TABLES] **Example 7**
- McDowell, A. W., [R] **sureg**, [TS] **arima**
- McFadden, D. L., [CM] **Intro 5**, [CM] **Intro 8**, [CM] **cmclogit**, [CM] **cmmixlogit**, [CM] **cmmprobit**, [CM] **cmxtmixlogit**, [CM] **nlogit**, [R] **clogit**, [R] **hausman**, [R] **Maximize**, [R] **suest**, [TE] **etregress**, [TE] **stteffects ipwra**, [TE] **teffects aipw**
- McGilchrist, C. A., [ST] **stcox**, [ST] **streg**
- McGill, R., [R] **sunflower**
- McGinnis, R. E., [R] **symmetry**
- McGraw, K. O., [R] **icc**
- McKelvey, R. D., [R] **ologit**
- McKenney, A., [M-1] **LAPACK**, [M-5] **lapack()**, [P] **matrix eigenvalues**
- McLachlan, G. J., [FMM] **fm intro**, [FMM] **Example 1a**, [ME] **me**, [ME] **melogit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **mestreg**, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim knn**, [MV] **discrim lda**
- McLain, A. C., [R] **nbreg**, [R] **poisson**
- McLeod, A. I., [TS] **arima**, [TS] **ucm**
- McMahan, C. S., [ST] **stintcox**
- McNeil, B. J., [R] **roccomp**, [R] **rocfit**, [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**, [R] **roctab**
- McNeil, D., [R] **poisson**, [ST] **sterreg**
- McNemar, Q., [PSS-2] **power pairedproportions**, [R] **Epitab**
- McPherson, K., [META] **meta esize**, [META] **meta summarize**
- McQuay, H. J., [META] **meta**
- Mead, R., [M-5] **optimize()**
- Mealli, F., [MI] **Intro substantive**
- Mecklenburg, R., [META] **meta mvregress**
- Meeker, W. Q., [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**
- Meekes, J., [MV] **cluster**
- Meeusen, W., [R] **frontier**, [XT] **xtfrontier**
- Mehmetoglu, M., [MV] **manova**, [R] **anova**, [R] **logistic**, [R] **regress**, [R] **test**, [R] **ttest**
- Mehrotra, S., [M-5] **LinearProgram()**
- Mehta, C. R., [R] **exlogistic**, [R] **exlogistic postestimation**, [R] **expoission**, [R] **tabulate twoway**
- Mehta, P. D., [SEM] **Example 30g**
- Meibohm, A. R., [META] **meta summarize**
- Meier, P., [ST] **sterreg**, [ST] **sterreg postestimation**, [ST] **sts**
- Meijering, E., [D] **ipolate**
- Meinert, C. L., [META] **Intro**
- Meiselman, D., [TS] **arima**
- Melly, B., [R] **qreg**, [TE] **teffects multivalued**
- Mendenhall, W., III, [SVY] **Survey**
- Meng, X.-L., [BAYES] **Intro**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayespredict**, [MI] **Intro substantive**, [MI] **mi estimate**, [MI] **mi impute**, [MI] **mi test**
- Mensing, R. W., [R] **anova postestimation**
- Mentré, F., [ME] **menl**
- Mergoupis, T., [TE] **etregress**, [TE] **teffects intro advanced**
- Merryman, S., [XT] **xtunitroot**
- Mesbah, M., [R] **anova**, [R] **logistic**
- Messner, S. F., [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
- Mészáros, C., [M-5] **LinearProgram()**
- Metropolis, N., [BAYES] **Intro**, [BAYES] **bayesmh**
- Metz, C. E., [R] **iroc**
- Metzger, S. K., [ST] **stcox postestimation**
- Meulders, M., [CM] **Intro 6**, [MI] **Intro substantive**, [MI] **mi impute**
- Meyer, B. D., [ST] **Discrete**

- Miao, W., [R] **sdtest**
- Micali, N., [MI] **mi estimate**, [MI] **mi impute**, [XT] **xtgee**
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- Michel-Pajus, A., [M-5] **cholesky()**
- Michels, K. M., [ME] **mixed**, [PSS-2] **power repeated**, [R] **anova**, [R] **contrast**, [R] **loneway**, [R] **oneway**, [R] **pwcompare**
- Michener, C. D., [MV] **measure_option**
- Michler, J. D., [XT] **xtgee**, [XT] **xtreg**
- Michuda, A., [XT] **xtgee**, [XT] **xtreg**
- Mickey, M. R., [MV] **discrim estat**
- Midthune, D., [SVY] **estat**, [SVY] **svy estimation**
- Mielke, P. W., Jr., [R] **brier**, [R] **ranksum**
- Miettinen, O. S., [R] **Epitab**
- Mihaly, K., [R] **areg**, [XT] **xtreg**
- Milan, L., [MV] **ca**, [MV] **factor**, [MV] **mca**, [MV] **pca**
- Miller, A. B., [R] **kappa**
- Miller, D. J., [PSS-2] **Intro (power)**, [R] **esize**
- Miller, D. L., [TE] **DID intro**, [TE] **didregress**
- Miller, H. W., [SVY] **Survey**, [SVY] **svy estimation**
- Miller, J. I., [TS] **sspace**
- Miller, R. G., [SEM] **Example 52g**
- Miller, R. G., Jr., [FN] **Statistical functions**, [R] **ci**, [R] **Diagnostic plots**, [R] **oneway**, [R] **pwcompare**
- Milliff, R. F., [BAYES] **Intro**
- Milligan, G. W., [MV] **cluster**, [MV] **cluster programming subroutines**, [MV] **cluster stop**
- Milliken, G. A., [ME] **me**, [MV] **manova**, [R] **anova**, [R] **contrast**, [R] **margins**, [R] **pwcompare**
- Milosevic, M., [ST] **sterreg**, [ST] **sterreg postestimation**
- Min, C.-K., [BAYES] **Intro**
- Minder, C., [META] **Intro**, [META] **meta bias**, [META] **Glossary**
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- Miranda, A., [R] **gllamm**, [R] **heckprobit**, [R] **heckprobit**, [R] **ivprobit**, [R] **ivtobit**, [R] **logistic**, [R] **logit**, [R] **nbreg**, [R] **ologit**, [R] **oprobit**, [R] **poisson**, [R] **probit**
- Mitchell, C., [R] **exlogistic**
- Mitchell, M. N., [D] **Data management**, [D] **by**, [D] **egen**, [D] **import excel**, [D] **reshape**, [G-1] **Graph intro**, [ME] **mixed postestimation**, [R] **anova**, [R] **anova postestimation**, [R] **contrast**, [R] **logistic**, [R] **logistic postestimation**, [R] **logit**, [R] **margins**, [R] **marginsplot**, [R] **pwcompare**, [R] **regress**, [U] **11.7 References**, [U] **12.11 References**, [U] **13.13 References**, [U] **20.26 References**, [U] **23.1 References**
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- Mitra, G., [M-5] **LinearProgram()**
- Miura, H., [U] **14.11 Reference**
- Miwa, T., [ERM] **eprobit**, [M-5] **mvnormal()**
- Modica, S., [MI] **Intro substantive**
- Moeschberger, M. L., [PSS-2] **power cox**, [ST] **stci**, [ST] **stcox**, [ST] **stcox postestimation**, [ST] **sterreg**, [ST] **streg**, [ST] **sts**, [ST] **sts graph**, [ST] **sts test**
- Moffatt, P. G., [R] **churdle**
- Moffitt, R. A., [R] **tobit**, [R] **tobit postestimation**
- Mogstad, M., [R] **Inequality**
- Moher, D., [META] **Intro**, [META] **meta forestplot**, [META] **meta funnelplot**, [META] **meta bias**
- Mol, C. D., [LASSO] **lasso**
- Molenaar, I. W., [IRT] **irt**, [SEM] **Example 28g**
- Molenberghs, G., [ME] **me**, [ME] **me**, [ME] **meglm**, [ME] **menl**, [ME] **mixed**, [XT] **xtreg postestimation**
- Moler, C. B., [P] **matrix symeigen**
- Mollisi, V., [XT] **xtfrontier**
- Molloy, G. J., [META] **meta summarize**
- Monahan, J. F., [FN] **Random-number functions**
- Monfort, A., [R] **hausman**, [R] **suest**, [R] **test**, [TS] **arima**, [TS] **mgarch ccc**, [TS] **mgarch dcc**, [TS] **mgarch vcc**
- Monshouwer, K., [MV] **mvtest**
- Monson, R. R., [R] **Epitab**
- Montanari, A., [LASSO] **Lasso intro**
- Montes-Rojas, G., [R] **QC**, [R] **sktest**, [TE] **teffects psmatch**, [XT] **xtreg**, [XT] **xtreg postestimation**
- Montgomery, D. C., [TS] **tssmooth**, [TS] **tssmooth dexponential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**
- Montoya, D., [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- Mood, A. M., [R] **centile**
- Moos, E., [MV] **cluster**, [MV] **pca**, [R] **anova**, [R] **regress**
- Mooi-Reci, I., [MV] **cluster**, [MV] **pca**, [R] **anova**, [R] **regress**
- Moon, H. R., [XT] **xtcointtest**, [XT] **xtunitroot**
- Mooney, C. Z., [R] **bootstrap**, [R] **jackknife**, [R] **rocreg**, [R] **rocregplot**
- Moore, E. H., [M-5] **pinv()**
- Moore, J. B., [TS] **sspace**
- Moore, R. A., [META] **meta**
- Moore, R. J., [FN] **Statistical functions**
- Moore, W. H., [R] **zioprobit**
- Mora, R., [R] **Inequality**
- Moral-Benito, E., [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdpsys**
- Morales-Gómez, A., [SEM] **gsem**
- Moran, J. L., [R] **dstdize**
- Moran, P. A. P., [SP] **estat moran**
- Morelli, S., [SVY] **Survey**
- Moreno, S. G., [META] **meta**, [META] **meta funnelplot**, [META] **meta bias**
- Moreno-Gorrin, C., [ST] **stcox**

- Morgan, K. E., [PSS-2] **Intro (power)**
Morgan, M. J., [R] **symmetry**
Morgenstern, H., [R] **Epitab**, [R] **Epitab**
Mori, M., [ST] **sterreg**
Morikawa, T., [CM] **cmxmixlogit**, [CM] **cmxtmixlogit**
Morris, C. N., [META] **meta summarize**,
[META] **meta regress**, [R] **bootstrap**
Morris, J. N., [SEM] **Example 48g**, [ST] **stsplit**
Morris, N. F., [R] **binreg**
Morris, T. P., [G-4] **colorstyle**, [MI] **Intro substantive**,
[MI] **mi impute**, [MI] **mi impute pmm**, [R] **ssc**
Morrison, D. F., [MV] **clustermat**, [MV] **discrim lda**,
[MV] **discrim logistic**, [MV] **discrim logistic**
postestimation, [MV] **manova**
Morrison, M. A., [D] **icd10**
Morrow, A., [R] **Epitab**
Mortimore, P., [MI] **mi estimate**
Moser, P., [TE] **didregress**
Mosier, C. I., [MV] **procrustes**
Moskowitz, M., [R] **kappa**
Mosteller, C. F., [R] **jackknife**, [R] **regress**
postestimation diagnostic plots, [R] **rreg**
Mosteller, F., [META] **Intro**, [META] **Intro**,
[META] **meta**, [META] **meta data**,
[META] **meta esize**, [META] **meta set**,
[META] **meta forestplot**, [META] **meta**
summarize, [META] **meta regress**,
[META] **meta regress postestimation**,
[META] **estat bubbleplot**, [META] **meta**
mvregress
Moulines, É., [BAYES] **Intro**, [BAYES] **bayesmh**
Moulton, L. H., [PSS-2] **power oneproportion, cluster**,
[R] **permute**, [R] **prtest**
Mount, M. K., [META] **Intro**
Mozharovskiy, P., [M-5] **LinearProgram()**,
[R] **frontier**
Mozumder, S. I., [ST] **sterreg**
Mroz, T. A., [LASSO] **Inference examples**, [R] **tobit**
Muellbauer, J., [R] **nlsur**
Mueller, C. W., [MV] **factor**
Mueller, R. O., [MV] **discrim lda**
Muirhead, R. J., [MV] **pca**
Mukherjee, B., [R] **zioprobit**
Mulaik, S. A., [MV] **factor**, [MV] **rotate**
Mulick, A., [PSS-2] **Intro (power)**
Mulkay, B., [ERM] **eprobit**
Mullahy, J., [R] **biprobit**, [R] **gmm**, [R] **ivpoisson**,
[R] **zinb**, [R] **zip**
Mullainathan, S., [TE] **DID intro**, [TE] **didregress**
Mullen, P. D., [META] **meta mvregress**
Müller, D., [SP] **Intro**
Müller, H.-G., [R] **lpoly**, [ST] **sts graph**
Muller, K. E., [PSS-2] **power oneway**, [PSS-2] **power**
repeated
Müller, P., [BAYES] **Intro**
Mulrow, C. D., [META] **meta summarize**
Mundlak, Y., [XT] **xtivreg**, [XT] **xtregar**
Muniz, J. O., [ST] **ltable**
Munnell, A. H., [ME] **mixed**
Muñoz, E., [R] **qreg**, [SVY] **Survey**
Muñoz, J., [R] **exlogistic**
Muraki, E., [IRT] **irt pcm**
Muriel, A., [R] **logistic**, [R] **logit**
Muro, J., [R] **heckoprobit**, [R] **heckoprobit**
Murphy, A. H., [R] **brier**
Murphy, J. L., [XT] **xtprobit**
Murphy, R. S., [SVY] **Survey**, [SVY] **svy estimation**
Murphy, S. A., [ST] **stintcox**
Murray, R. M., [ME] **mecloglog**, [ME] **melogit**,
[ME] **meprobit**
Murray-Lyon, I. M., [R] **binreg**
Murrill, W. A., [MV] **discrim knn**
Murtaugh, P. A., [ST] **sterreg**
Musau, A., [G-2] **graph pie**, [G-2] **graph twoway**
scatter
Mussolino, M. E., [SVY] **Survey**, [SVY] **svy**
estimation
Musundwa, S., [SP] **Intro**
Muthén, B., [SEM] **Example 9**
Mykland, P., [BAYES] **Intro**, [BAYES] **bayesgraph**
Myland, J. C., [FN] **Mathematical functions**,
[FN] **Trigonometric functions**
- ## N
- Nachtsheim, C. J., [PSS-2] **power oneway**, [R] **pkcross**,
[R] **pkequiv**, [R] **pkshape**, [R] **regress**,
[R] **regress postestimation**
Nadarajah, S., [CM] **nlogit**
Nadaraya, E. A., [R] **lpoly**, [R] **npregress kernel**
Nadle, J., [D] **icd10**
Nagel, R. W., [MV] **discrim lda**
Nagler, J., [R] **scobit**
Naiman, D. Q., [R] **qreg**
Nam, J., [PSS-2] **power cmh**, [PSS-2] **power trend**
Nannicini, T., [TE] **etregress**
Nardi, G., [R] **Epitab**
Narendranathan, W., [XT] **xtregar**
Narula, S. C., [R] **qreg**
Nash, S., [PSS-2] **Intro (power)**
National Center for Health Statistics, [D] **icd**, [D] **icd9**,
[D] **icd9p**
National Research Council, [META] **meta trimfill**
Nattino, G., [R] **estat gof**
Navarro-Lozano, S., [TE] **teffects intro advanced**
Naylor, J. C., [ERM] **eprobit**, [XT] **xtcloglog**,
[XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtologit**,
[XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**,
[XT] **xttobit**
Neal, R. M., [BAYES] **Intro**
Neal, T., [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**,
[XT] **xtunitroot**
Neale, M. C., [SEM] **Example 30g**
Neath, R., [BAYES] **bayesstats summary**
Nee, J. C. M., [R] **kappa**
Neely, S. T., [R] **rocreg**, [R] **rocreg postestimation**,
[R] **rocregplot**

- Neff, R. K., [R] **Epitab**
- Neimann, H., [MV] **mdsmat**
- Nel, D. G., [MV] **mvtest**, [MV] **mvtest means**
- Nelder, J. A., [LASSO] **lasso**, [LASSO] **lassogof**, [M-5] **optimize()**, [ME] **meglm postestimation**, [R] **binreg**, [R] **binreg postestimation**, [R] **glm**, [R] **glm postestimation**, [R] **margins**, [R] **ologit**, [TE] **teffects intro advanced**, [XT] **vce_options**, [XT] **xtgee**, [XT] **xtpoisson**
- Nelson, C. R., [R] **ivregress postestimation**, [TS] **mswitch**
- Nelson, D. B., [TS] **arch**, [TS] **arima**, [TS] **mgarch**
- Nelson, E. C., [MV] **alpha**, [MV] **factor**, [MV] **factor postestimation**, [R] **lincom**, [R] **mlogit**, [R] **mprobit**, [R] **mprobit postestimation**, [R] **predictnl**, [R] **slogit**, [SEM] **Example 37g**
- Nelson, F. D., [R] **logit**, [R] **probit**
- Nelson, W., [ST] **sterreg postestimation**, [ST] **sts**
- Nelson, W. C., [MV] **mvtest correlations**
- Neter, J., [PSS-2] **power oneway**, [R] **pkcross**, [R] **pkequiv**, [R] **pkshape**, [R] **regress**, [R] **regress postestimation**
- Netlib, [M-5] **LinearProgram()**
- Nett, L. M., [META] **meta mvregress**
- Neudecker, H., [TS] **var svar**
- Neuhaus, J. M., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **mestreg**, [ME] **mixed**, [XT] **xtcloglog**, [XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtprobit**, [XT] **xtprobit**
- Neumayer, E., [SP] **Intro**
- Nevels, K., [MV] **procrustes**
- Newberger, N., [R] **heckman**
- Newbold, P., [TS] **arima**, [TS] **vec intro**
- Newcomb, S., [BAYES] **bayespredict**
- Newey, W. K., [ERM] **Intro 7**, [ERM] **eintreg**, [ERM] **eoprobit postestimation**, [ERM] **eprobit**, [ERM] **eprobit postestimation**, [ERM] **eregress postestimation**, [LASSO] **Lasso inference intro**, [LASSO] **lasso**, [LASSO] **poregress**, [LASSO] **xpologit**, [LASSO] **xpipoisson**, [R] **iporegress**, [R] **glm**, [R] **gmm**, [R] **ivpoisson**, [R] **ivprobit**, [R] **ivregress**, [R] **ivtobit**, [R] **npregress intro**, [R] **npregress series**, [TE] **etregress**, [TE] **stteffects ipwra**, [TE] **teffects aipw**, [TE] **telasso**, [TS] **newey**, [TS] **pperron**, [XT] **xtabond**, [XT] **xtcointest**, [XT] **xtddp**, [XT] **xtddpsys**, [XT] **xtunitroot**
- Newman, S. C., [R] **Epitab**, [R] **poisson**, [ST] **stcox**, [ST] **sts**
- Newton, R. B., [D] **contract**, [D] **generate**, [D] **statsby**, [P] **capture**, [PSS-2] **Intro (power)**, [R] **glm**, [R] **glm postestimation**, [R] **Inequality**, [R] **kwallis**, [R] **logistic postestimation**, [R] **logit postestimation**, [R] **margins**, [R] **mkspline**, [R] **signrank**, [R] **spearman**, [R] **tabulate twoway**, [ST] **stcox postestimation**
- Newton, H. J., [R] **kdensity**, [TS] **arima**, [TS] **corrgram**, [TS] **pergram**, [TS] **wntestb**, [U] **3.9 References**, [XT] **xtgee**
- Newton, I., [M-5] **optimize()**
- Newton, M. A., [XT] **xtcloglog**, [XT] **xtgee**, [XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtprobit**, [XT] **xtprobit**, [XT] **xttobit**
- Neyman, J., [R] **ci**
- Ng, E. S.-W., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meprobit**, [R] **bootstrap**, [R] **bstat**
- Ng, S., [TS] **dfgls**
- Nguyen, J. T., [PSS-2] **Intro (power)**, [R] **esize**
- Nicewander, W. A., [R] **correlate**
- Nichols, A., [ME] **meglm**, [ME] **mixed**, [R] **ivregress**, [R] **reg3**, [TE] **etregress**, [TE] **teffects intro advanced**, [XT] **xtrc**, [XT] **xtrg**
- Nickell, S. J., [R] **gmm**, [TS] **forecast**, [XT] **xtabond**, [XT] **xtddp**, [XT] **xtddpsys**, [XT] **xtivreg**, [XT] **xtunitroot**
- Nielsen, B., [TS] **varsoc**, [TS] **vec intro**
- Nielsen, M. O., [R] **bootstrap**, [TE] **DID intro**, [TE] **didregress**
- Nightingale, F., [G-2] **graph pie**
- Nijenhuis, J. W., [R] **oprobit**
- Nijkamp, P., [META] **Intro**
- Nishimura, T., [FN] **Random-number functions**, [R] **set rng**, [R] **set rngstream**, [R] **set seed**
- Nocedal, J., [M-5] **LinearProgram()**
- Nogueras, G. M., [ST] **stcox**
- Nolan, D., [R] **Diagnostic plots**
- Nordlund, D. J., [MV] **discrim lda**
- Norton, E. C., [FN] **Trigonometric functions**, [R] **churdle**, [R] **ivregress**, [R] **nbreg**, [R] **poisson**, [R] **qreg**, [R] **regress**, [R] **tobit**, [TE] **teffects intro advanced**
- Norton, S. J., [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- Norwood, J. L., [R] **Intro**
- Nunnally, J. C., [MV] **alpha**
- Nyquist, H., [LASSO] **elasticnet**
- ## O
- O'Brien, K. L., [R] **prtest**
- O'Brien, R. G., [PSS-2] **power oneway**
- O'Brien, S. M., [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**
- O'Carroll, R. E., [META] **meta summarize**
- O'Connell, P. G. J., [XT] **xtunitroot**
- O'Connell, R. T., [TS] **tssmooth**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**
- O'Donnell, C. J., [XT] **xtfrontier**
- O'Donnell, O., [R] **Inequality**, [SVY] **svy estimation**, [SVY] **svyset**
- O'Fallon, W. M., [R] **logit**
- O'Hara, B., [BAYES] **bayesmh**
- O'Neill, D., [R] **gmm**, [R] **Inequality**
- O'Neill, S., [R] **Inequality**

- O'Rourke, K., [META] **meta labbeplot**
- Oakes, D., [ST] **ltable**, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **streg**, [ST] **sts**
- Oberfichtner, M., [MV] **mvreg**, [R] **suest**
- Obstfeld, M., [XT] **xtunitroot**
- Ochiai, A., [MV] **measure_option**
- Odell, P. M., [ST] **stintcox**, [ST] **stintreg**
- Odum, E. P., [MV] **clustermat**
- Oehlert, G. W., [R] **nlcom**, [R] **rocreg postestimation**, [R] **rocregplot**
- Oh, K.-Y., [XT] **xtunitroot**
- Oldham, K. B., [FN] **Mathematical functions**, [FN] **Trigonometric functions**
- Oliveira, A. G., [ST] **ltable**, [ST] **sts**
- Olivier, D., [R] **exppoisson**
- Olkin, I., [META] **Intro**, [META] **meta data**, [META] **meta esize**, [META] **meta summarize**, [META] **meta mvregress**, [MV] **hotelling**, [R] **kwallis**, [TS] **wntestb**
- Olsen, M. K., [MI] **Intro substantive**
- Olshansky, S. J., [ST] **streg**
- Olson, J. M., [R] **symmetry**
- Omar, R. Z., [ME] **me**
- Ooms, M., [TS] **arfima**
- Oparil, S., [PSS-2] **power repeated**
- Orcutt, G. H., [TS] **prais**
- Ord, J. K., [R] **centile**, [R] **mean**, [R] **proportion**, [R] **qreg**, [R] **ratio**, [R] **summarize**, [R] **total**, [SP] **Intro**, [SP] **spregress**
- Orsini, N., [META] **meta mvregress**, [R] **Epitab**, [R] **glm**, [R] **logit**, [R] **mkspine**, [R] **qreg**, [ST] **streg**, [XT] **xtreg**
- Osbat, C., [XT] **xtunitroot**
- Oski, J., [R] **prtest**
- Osterlind, S. J., [IRT] **DIF**
- Osterwald-Lenum, M. G., [TS] **vecrank**
- Ostle, B., [R] **anova postestimation**
- Otero, J., [TS] **dfls**, [TS] **dfuller**, [TS] **pperron**, [TS] **vargranger**, [XT] **xtunitroot**
- Ott, R. L., [SVY] **Survey**
- Ouliaris, S., [XT] **xtcointtest**
- Over, M., [R] **regress**, [XT] **xtivreg**
- Overgaard, M., [ST] **stcox**
- Owen, A. L., [TS] **forecast**
- Paik, M. C., [META] **Intro**, [META] **meta esize**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [R] **dstdize**, [R] **Epitab**, [R] **kappa**
- Pall, G., [META] **meta data**
- Palma, W., [TS] **arfima**, [TS] **arfima postestimation**, [TS] **estat acplot**
- Palmer, T. M., [ME] **mixed**, [META] **Intro**, [META] **meta**, [META] **meta funnelplot**, [R] **ivregress**, [SEM] **Intro 5**
- Palta, M., [XT] **xtcloglog**, [XT] **xtgee**, [XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtlogit**, [XT] **xtoprobit**, [XT] **xtprobit**, [XT] **xttobit**
- Pampel, F. C., [R] **logistic**, [R] **logit**, [R] **probit**
- Paneth, N., [R] **Epitab**
- Panneton, F., [FN] **Random-number functions**, [R] **set rngstream**
- Pantazis, N., [ME] **meglm**, [ME] **mixed**
- Paolino, P., [R] **betareg**
- Papke, L. E., [R] **fracreg**
- Parent, E., [BAYES] **Intro**
- Parham, R., [R] **eivreg**, [R] **gmm**
- Park, H. J., [P] **_robust**, [R] **regress**, [SVY] **svy: tabulate twoway**
- Park, J. Y., [DSGE] **Intro 8**, [R] **boxcox**, [R] **margins**, [R] **nlcom**, [R] **predictnl**, [R] **rocreg postestimation**, [R] **rocregplot**, [R] **testnl**, [TS] **sspace**, [TS] **vec intro**, [TS] **vec**, [TS] **vecrank**
- Parker, R. A., [META] **meta summarize**
- Parkinson, A., [R] **prtest**
- Parks, W. P., [R] **exlogistic**
- Parmar, M. K. B., [PSS-2] **Intro (power)**, [PSS-2] **power cox**, [ST] **stcox**, [ST] **streg**
- Parmeter, C. F., [R] **npregress kernel**
- Parmigiani, G., [BAYES] **Intro**
- Parner, E. T., [R] **glm**, [ST] **stcox**
- Parzen, E., [R] **estat ic**, [R] **kdensity**
- Pasquini, J., [R] **Epitab**, [R] **vwl**
- Patel, N. R., [R] **exlogistic**, [R] **exlogistic postestimation**, [R] **expoisson**, [R] **tabulate twoway**
- Paterson, L., [ME] **melogit**
- Patterson, H. D., [R] **pkcross**
- Patterson, K., [XT] **xtunitroot**
- Pattitoni, P., [R] **betareg**
- Paule, R. C., [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **meta regress**
- Paulsen, J., [TS] **varsoc**, [TS] **vec intro**
- Pawitan, Y., [TE] **teffects ra**
- Payne, A., [R] **intreg**, [R] **tobit**
- Pearl, J., [BAYES] **Intro**
- Pearson, E. S., [BAYES] **bayesmh**, [R] **ci**, [R] **ttest**
- Pearson, K., [G-2] **graph twoway histogram**, [META] **Intro**, [MV] **mds**, [MV] **measure_option**, [MV] **pca**, [R] **correlate**, [R] **esize**, [R] **tabulate twoway**
- Pechlivanoglou, P., [R] **betareg**
- P
- Pace, R. K., [SP] **Intro**, [SP] **spivregress postestimation**, [SP] **spregress**, [SP] **spregress postestimation**, [SP] **spxtregress postestimation**
- Pacheco, J. M., [R] **dstdize**
- Pacifico, D., [R] **roctab**
- Pagan, A. R., [MV] **mvreg**, [R] **frontier**, [R] **hetregress**, [R] **regress postestimation**, [R] **sureg**, [TS] **Glossary**, [XT] **xtreg postestimation**
- Pagano, M., [R] **dstdize**, [R] **logistic**, [R] **margins**, [R] **proportion**, [R] **tabulate twoway**, [ST] **ltable**, [ST] **sts**

- Péclat, M., [SP] [spdistance](#)
- Pedace, R., [R] [logit](#), [R] [probit](#), [R] [regress](#),
[R] [regress postestimation diagnostic plots](#),
[U] [20.26 References](#)
- Pedroni, P., [XT] [xtcointtest](#)
- Peel, D., [FMM] [fmm intro](#), [FMM] [Example 1a](#)
- Peen, C., [MV] [procrustes](#)
- Pellock, I. M., [BAYES] [bayesmh](#)
- Pendergast, J. F., [XT] [xtcloglog](#), [XT] [xtgee](#),
[XT] [xtintreg](#), [XT] [xtlogit](#), [XT] [xtologit](#),
[XT] [xtoprobit](#), [XT] [xtprobit](#), [XT] [xttobit](#)
- Penfield, R. D., [IRF] [DIF](#), [R] [esize](#)
- Peng, H., [SP] [Intro](#)
- Peng, J., [PSS-2] [power oneproportion](#)
- Peng, M., [R] [pwcompare](#)
- Penrose, R., [M-5] [pinv\(\)](#)
- Pepe, M. S., [R] [roc](#), [R] [roccomp](#), [R] [rocfit](#),
[R] [rocreg](#), [R] [rocreg postestimation](#),
[R] [rocregplot](#), [R] [roctab](#), [ST] [sterreg](#)
- Peracchi, F., [MI] [Intro substantive](#), [R] [jackknife](#),
[R] [regress](#), [R] [regress postestimation](#)
- Perales, F., [ME] [meglm](#)
- Pérez, C. M., [R] [Epitab](#), [ST] [stcox](#)
- Pérez-Amaral, T., [U] [20.26 References](#)
- Pérez-Hernández, M. A., [R] [kdensity](#)
- Pérez-Regadera, J. F., [R] [rocreg](#), [R] [rocregplot](#)
- Pericchi, L. R., [BAYES] [Intro](#)
- Perotti, V., [ERM] [eoprobit](#), [R] [heckoprobit](#),
[R] [heckprobit](#), [R] [oprobit](#)
- Perrier, D., [ME] [menl](#)
- Perrin, E., [MV] [alpha](#), [MV] [factor](#), [MV] [factor
postestimation](#), [R] [lincom](#), [R] [mlogit](#),
[R] [mprobit](#), [R] [mprobit postestimation](#),
[R] [predictnl](#), [R] [slogit](#), [SEM] [Example 37g](#)
- Perron, P., [TS] [dfgls](#), [TS] [estat sbsingle](#),
[TS] [mswitch](#), [TS] [pperron](#), [TS] [Glossary](#)
- Perrot, B., [IRF] [irt](#)
- Perry, H. M., [PSS-2] [power repeated](#)
- Persson, R., [G-1] [Graph intro](#)
- Pesaran, M. H., [XT] [xtunitroot](#)
- Pesarin, F., [R] [tabulate twoway](#)
- Peters, J. L., [META] [Intro](#), [META] [meta](#),
[META] [meta funnelplot](#), [META] [meta bias](#),
[META] [meta trimfill](#)
- Petersen, I., [MI] [mi impute chained](#)
- Peterson, B., [R] [ologit](#)
- Peterson, W. W., [R] [lroc](#)
- Petit, S., [D] [icd10](#)
- Petitclerc, M., [R] [kappa](#)
- Petititi, D. B., [META] [meta summarize](#)
- Petkova, E., [R] [suest](#)
- Peto, J., [META] [meta esize](#), [META] [meta
summarize](#), [ST] [sts test](#)
- Peto, R., [META] [meta esize](#), [META] [meta
summarize](#), [R] [ranksum](#), [ST] [stcox](#),
[ST] [streg](#), [ST] [sts test](#)
- Petrin, A. K., [R] [frontier](#)
- Pettigrew, H. M., [META] [meta esize](#)
- Pevalin, D., [ME] [mixed](#)
- Pevehouse, J. C. W., [TS] [Time series](#), [TS] [arima](#),
[TS] [forecast](#), [TS] [irf](#), [TS] [var](#), [TS] [vec](#)
- Pfeffer, R. I., [R] [symmetry](#)
- Pfeffermann, D., [ME] [mixed](#)
- Pfeiffer, F., [ERM] [eoprobit](#)
- Pflueger, C. E., [R] [ivregress postestimation](#)
- Pforr, K., [XT] [xtmlogit](#)
- Philips, A. Q., [TS] [vec](#), [TS] [vecrank](#), [XT] [xtstreg](#)
- Phillips, A., [IRF] [difmh](#)
- Phillips, A. N., [META] [meta bias](#)
- Phillips, G., [R] [estat gof](#)
- Phillips, P. C. B., [DSGE] [Intro 8](#), [R] [boxcox](#),
[R] [margins](#), [R] [nlcom](#), [R] [predictnl](#),
[R] [regress postestimation time series](#),
[R] [rocreg postestimation](#), [R] [rocregplot](#),
[R] [testnl](#), [TS] [pperron](#), [TS] [vargranger](#),
[TS] [vec intro](#), [TS] [vec](#), [TS] [vecrank](#),
[TS] [Glossary](#), [XT] [xtcointtest](#), [XT] [xtunitroot](#)
- Piano Mortari, A., [SP] [Intro](#)
- Piantadosi, S., [P] [_robust](#), [U] [20.26 References](#)
- Piccolo, D., [FMM] [fmm intro](#)
- Pichler, S., [R] [mlogit](#)
- Pickles, A., [ME] [me](#), [ME] [mepoisson](#), [ME] [mestreg](#),
[MV] [cluster dendrogram](#), [R] [gllamm](#),
[R] [glm](#), [SEM] [Acknowledgments](#),
[SEM] [Intro 2](#), [SEM] [Example 29g](#),
[SEM] [Methods and formulas for gsem](#),
[TE] [teffects multivalued](#), [XT] [xtgee](#),
[XT] [xtheckman](#)
- Pickup, M., [TS] [Time series](#), [TS] [arch](#), [TS] [arima](#),
[TS] [vec](#)
- Pierce, D. A., [ME] [me](#), [TS] [wntestq](#)
- Pierce, G. S., [M-5] [LinearProgram\(\)](#)
- Pierce, M., [TE] [teffects intro](#)
- Pierson, R. A., [ME] [menl](#), [ME] [mixed](#)
- Piessens, R., [M-5] [Quadrature\(\)](#)
- Piet, L., [FMM] [fmm intro](#)
- Pietsch, T. W., [MV] [cluster dendrogram](#)
- Pigott, T. D., [META] [meta summarize](#), [META] [meta
mvregress](#)
- Pike, M. C., [META] [meta esize](#), [META] [meta
summarize](#), [PSS-2] [power twoproportions](#),
[R] [symmetry](#), [ST] [ltable](#), [ST] [streg](#)
- Pildava, S., [XT] [xtgee](#)
- Pillai, K. C. S., [MV] [canon](#), [MV] [manova](#)
- Pillemer, D. B., [META] [Intro](#), [META] [meta](#),
[META] [meta funnelplot](#)
- Pindyck, R. S., [ERM] [eoprobit](#), [R] [biprobit](#),
[R] [heckprobit](#)
- Pinheiro, J. C., [ME] [me](#), [ME] [meglm](#), [ME] [melogit](#),
[ME] [menl](#), [ME] [menl postestimation](#),
[ME] [mepoisson](#), [ME] [mixed](#), [ME] [mixed](#),
[ME] [mixed postestimation](#), [META] [meta
mvregress](#)
- Pinna, M., [G-2] [graph twoway scatter](#), [R] [histogram](#)
- Pintilie, M., [ST] [sterreg](#), [ST] [sterreg postestimation](#)

- Pinzon, E., [D] **egen**, [P] **postfile**, [R] **gmm**,
[R] **ivregress**, [R] **margins**, [R] **marginsplot**,
[R] **mlexp**, [R] **npregress intro**, [R] **npregress**
kernel, [R] **probit**, [SEM] **gsem**,
[U] **1.4 References**, [XT] **xtabond**,
[XT] **xtabond postestimation**, [XT] **xtreg**
- Pisati, M., [SP] **Intro**, [SP] **grmap**
- Pischke, J.-S., [R] **ivregress**, [R] **ivregress**
postestimation, [R] **qreg**, [R] **regress**,
[TE] **DID intro**, [TE] **didregress**, [TE] **stteffects**
ipw, [TE] **stteffects ipwra**, [TE] **stteffects**
postestimation, [TE] **stteffects ra**, [TE] **stteffects**
wra, [TE] **teffects intro advanced**,
[U] **20.26 References**
- Pitarakis, J.-Y., [TS] **threshold**, [TS] **vecrank**
- Pitblado, J. S., [M-5] **deriv()**, [M-5] **moptimize()**,
[P] **Intro**, [P] **_robust**, [R] **frontier**, [R] **gmm**,
[R] **lpoly**, [R] **Maximize**, [R] **ml**, [R] **npregress**
kernel, [ST] **sts**, [SVY] **Survey**, [SVY] **ml for**
svy, [XT] **xtfrontier**
- Plackett, R. L., [CM] **cmrologit**, [M-5] **mvnormal()**,
[R] **ameans**, [R] **regress**, [R] **summarize**,
[R] **ttest**
- Plan, E. L., [ME] **menl**
- Playfair, W. H., [G-2] **graph bar**, [G-2] **graph pie**
- Ploberger, W., [TS] **estat sbcusum**, [TS] **estat sbsingle**
- Plosser, C. I., [TS] **vecrank**
- Plum, A., [XT] **xtprobit**
- Plummer, W. D., Jr., [PSS-2] **power oneslope**,
[R] **Epitab**, [R] **sunflower**
- Plümper, T., [SP] **Intro**
- Poeger, F., [R] **roctab**
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[P] **Intro**, [P] **_robust**, [R] **bootstrap**,
[R] **bstat**, [R] **frontier**, [R] **gmm**,
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[R] **Maximize**, [R] **ml**, [R] **nl**, [R] **nlshr**,
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inference intro, [LASSO] **lasso**, [TE] **telasso**
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[SEM] **Example 42g**
- Preece, D. A., [R] **ttest**
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postestimation
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postestimation, [ST] **stintcox PH-assumption**
plots, [ST] **stintreg**, [ST] **streg**, [ST] **sts**,
[ST] **sts test**, [ST] **stset**, [ST] **stteffects intro**,
[TE] **stteffects ra**, [XT] **xtgee**
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twoway contour, [M-5] **solvenl()**, [P] **matrix**
symeigen, [R] **dydx**
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moran, [SP] **spivregress**, [SP] **spivregress**
postestimation, [SP] **spregress**, [SP] **spregress**
postestimation, [SP] **spxtregress**
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examples, [M-5] **LinearProgram()**
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examples, [M-5] **LinearProgram()**
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[RPT] **putexcel advanced**
- Quistorff, B., [R] **set rngstream**, [TE] **teffects intro**,
[TE] **teffects intro advanced**

Qureshi, Z. P., [ST] **stintcox**

R

Rabe-Hesketh, S., [BAYES] **bayes**, [CM] **cmxtmixlogit**, [ERM] **eprobit**, [FMM] **fmm intro**, [IRT] **irt**, [IRT] **irt grm**, [IRT] **irt rsm**, [IRT] **irt hybrid postestimation**, [ME] **me**, [ME] **mecloglog**, [ME] **meglm**, [ME] **meglm postestimation**, [ME] **melogit**, [ME] **melogit postestimation**, [ME] **menbreg**, [ME] **menl**, [ME] **meologit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **meprobit**, [ME] **mestreg**, [ME] **mixed**, [ME] **mixed postestimation**, [R] **gllamm**, [R] **glm**, [R] **heckoprobit**, [R] **heckoprobit**, [R] **ivprobit**, [R] **ivtobit**, [R] **logistic**, [R] **logit**, [R] **nbreg**, [R] **ologit**, [R] **oprobit**, [R] **poisson**, [R] **probit**, [SEM] **Acknowledgments**, [SEM] **Intro 2**, [SEM] **Intro 4**, [SEM] **Example 28g**, [SEM] **Example 29g**, [SEM] **Example 30g**, [SEM] **Example 39g**, [SEM] **Example 40g**, [SEM] **Example 41g**, [SEM] **Example 45g**, [SEM] **Example 46g**, [SEM] **Methods and formulas for gsem**, [SEM] **predict after gsem**, [XT] **xtcloglog**, [XT] **xtgee**, [XT] **xthheckman**, [XT] **xtintreg**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtstreg**, [XT] **xttobit**

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Rabinowitz, P., [M-5] **Quadrature()**

Rachman, S., [R] **Epitab**

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Racine, J. S., [R] **npregress intro**, [R] **npregress kernel**, [R] **npregress series**

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Ramadas, V., [R] **roc**

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Ramey, C. T., [PSS-2] **power repeated**

Rampichini, C., [XT] **xtmlogit**

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Rasch, G., [BAYES] **bayesmh**, [IRT] **irt**, [IRT] **irt 1pl**, [SEM] **Example 28g**

Rasciute, S., [R] **zioprobit**

Ratcliffe, S. J., [XT] **xtgee**

Raters, F. H. C., [XT] **xtcointtest**, [XT] **xtgls**

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Ratkowsky, D. A., [R] **nl**, [R] **pk**, [R] **pkcross**

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Ravn, M. O., [TS] **tsfilter**, [TS] **tsfilter hp**

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Rayner, P. J. W., [BAYES] **Intro**

Reardon, S. F., [R] **hetoprobit**

Reaven, G. M., [SEM] **Example 52g**

Rebelo, S. T., [DSGE] **Intro 3b**, [DSGE] **Intro 3e**, [DSGE] **Intro 3f**, [TS] **tsfilter**, [TS] **tsfilter hp**

Redelmeier, D. A., [R] **brier**

Redondo-Sánchez, D., [R] **roc**

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Reinfurt, K. H., [MV] **mvtest correlations**

Reinsch, C. H., [M-5] **spline3()**, [P] **matrix symeigen**

Reinsel, G. C., [TS] **arfima**, [TS] **arima**, [TS] **corrgram**, [TS] **cumsp**, [TS] **dfuller**, [TS] **estat acplot**, [TS] **pergram**, [TS] **pperron**, [TS] **psdensity**, [TS] **vec intro**, [TS] **xcorr**

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[SEM] **Example 29g**
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[MI] **mi estimate**, [MI] **mi estimate using**,
[MI] **mi test**
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estat, [MV] **discrim knn**, [MV] **discrim**
lda, [MV] **discrim lda postestimation**,
[MV] **discrim logistic**, [MV] **discrim qda**,
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[MV] **manova**, [MV] **mca**, [MV] **mvtest**,
[MV] **mvtest correlations**, [MV] **mvtest**
covariances, [MV] **mvtest means**, [MV] **mvtest**
normality, [MV] **pca**, [MV] **screplot**, [R] **anova**
postestimation
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twoway
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summarize
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ipw, [TE] **stteffects ipwra**, [TE] **teffects intro**
advanced
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heterogeneity, [META] **Glossary**
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inference intro, [LASSO] **lasso**
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examples, [M-5] **LinearProgram()**
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psmatch
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intro, [LASSO] **lasso**, [LASSO] **poregress**,
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ipw, [TE] **stteffects ipwra**, [TE] **stteffects wra**,
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[G-2] **graph twoway histogram**, [R] **cumul**
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[RPT] **putpdf begin**
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[ERM] **eintreg**, [ERM] **coprobit**, [ERM] **eprobit**,
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[TE] **didregress**, [XT] **xtdpd**, [XT] **xtdpdsys**,
[XT] **xthecckman**
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[D] **egen**, [D] **encode**, [U] **11.7 References**,
[U] **12.11 References**, [U] **13.13 References**,
[U] **24.5 References**, [U] **26.3 References**
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- Speed, T., [R] **Diagnostic plots**
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- Stahl, D., [MV] **cluster**, [MV] **cluster stop**
- Staiger, D. O., [R] **ivregress postestimation**
- Stampini, M., [XT] **xtreg**
- Stangl, D. K., [BAYES] **Intro**
- Starmer, C. F., [R] **vwls**
- Startz, R., [R] **ivregress postestimation**, [TS] **mswitch**
- Staub, K. E., [R] **ologit**, [XT] **xtologit**
- Stefanski, L. A., [R] **eivreg**, [TE] **teffects aipw**
- Stegun, I. A., [FN] **Mathematical functions**, [R] **contrast**, [R] **orthog**
- Steichen, T. J., [D] **duplicates**, [META] **meta**, [META] **meta bias**, [META] **meta trimfill**, [R] **sunflower**
- Steiger, J. H., [R] **esize**
- Steiger, W., [R] **qreg**
- Steigerwald, D. G., [MV] **cluster**
- Stein, C., [R] **bootstrap**
- Steinberg, D., [CM] **cmxmixlogit**, [CM] **cmxtmixlogit**
- Steinberg, L., [IRT] **irt grm**
- Stephenson, D. B., [MV] **pca**, [R] **brier**
- Stepniewska, K. A., [R] **nptrend**
- Stern, H. S., [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayesstats summary**, [BAYES] **bayespredict**, [BAYES] **bayes: xtnbreg**, [BAYES] **Glossary**, [MI] **Intro substantive**, [MI] **mi impute mvn**, [MI] **mi impute regress**
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- Sterne, J. A. C., [META] **Intro**, [META] **meta**, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta funnelplot**, [META] **meta bias**, [MI] **Intro**, [R] **dstdize**, [R] **summarize**, [SEM] **Intro 5**, [ST] **stcox**, [XT] **xtreg**
- Steurer, M., [META] **meta data**
- Stevens, E. H., [MV] **mvtest**
- Stevenson, R. E., [R] **frontier**
- Stewart, G. W., [M-5] **svd()**, [P] **matrix svd**
- Stewart, J., [ST] **ltable**
- Stewart, M. B., [R] **intreg**, [R] **oprobit**, [R] **tobit**, [XT] **xtprobit**
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- Stijnen, T., [META] **meta mvregress**
- Stillman, S., [R] **ivregress**, [R] **ivregress postestimation**
- Stinchcombe, M. B., [R] **npregress kernel**
- Stine, R., [R] **bootstrap**
- Stützer, M. L., [META] **meta mvregress**
- Stock, J. H., [R] **areg postestimation**, [R] **ivregress**, [R] **ivregress postestimation**, [R] **npregress kernel**, [R] **regress**, [TS] **Time series**, [TS] **arch**, [TS] **dfactor**, [TS] **dfigls**, [TS] **irf create**, [TS] **rolling**, [TS] **sspace**, [TS] **var intro**, [TS] **var**, [TS] **var svar**, [TS] **vec intro**, [TS] **vec**, [TS] **vecrank**, [TS] **Glossary**, [XT] **xtcloglog**, [XT] **xthtaylor**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtreg**, [XT] **xtstreg**
- Stoker, T. M., [R] **npregress kernel**
- Stoll, B. J., [R] **Epitab**
- Stoll, L., [MI] **mi estimate**
- Stolley, P. D., [R] **Epitab**
- Stone, M. H., [IRT] **irt**
- Storer, B. E., [ST] **sterreg**
- Stork, D. G., [MV] **cluster**, [MV] **cluster stop**
- Stoto, M. A., [R] **lv**
- Stouffer, S. A., [SEM] **Example 50g**
- Stover, L., [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- Støvring, H., [M-2] **pointers**
- Straathof, B., [D] **insobs**

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 Street, J. O., [R] **rreg**
 Stroup, W. W., [ME] **me**
 Stryhn, H., [ME] **meintreg**, [R] **Epitab**, [R] **regress**
 Stuart, A., [R] **centile**, [R] **mean**, [R] **proportion**,
 [R] **qreg**, [R] **ratio**, [R] **summarize**,
 [R] **symmetry**, [R] **total**, [SVY] **Survey**
 Studenmund, A. H., [R] **regress**, [R] **regress**
postestimation
 Student, see Gosset, W. S.
 Stuetzle, W., [R] **sunflower**
 Sturdivant, R. X., [PSS-2] **power mcc**, [R] **clogit**,
 [R] **clogit postestimation**, [R] **estat**
classification, [R] **estat gof**, [R] **glm**, [R] **lincom**,
 [R] **logistic**, [R] **logistic postestimation**,
 [R] **logit**, [R] **logit postestimation**, [R] **lroc**,
 [R] **lrtest**, [R] **lsens**, [R] **mlogit**, [R] **predictnl**,
 [R] **stepwise**, [RPT] **dyndoc**, [RPT] **putdocx**
intro, [RPT] **set docx**, [SEM] **Example 33g**,
 [SEM] **Example 34g**, [XT] **xtgee**
 Sturtz, S., [BAYES] **bayesmh**
 Suades-González, E., [LASSO] **Lasso**
intro, [LASSO] **Inference examples**,
 [M-5] **LinearProgram()**
 Suárez, C., [R] **heckoprobit**, [R] **heckprobit**
 Suárez, E. L., [R] **Epitab**, [ST] **stcox**
 Sued, M., [TE] **teffects intro advanced**
 Suen, H. K., [R] **icc**
 Sugihara, G., [XT] **xtddp**
 Sulaimanova, B., [ERM] **eprobit**
 Sullivan, A., [D] **Datetime durations**
 Sullivan, G., [P] **_robust**, [R] **regress**,
 [SVY] **svy: tabulate twoway**
 Sultakeev, K., [ERM] **eprobit**
 Summers, G. F., [SEM] **Example 9**
 Summers, R., [XT] **xtunitroot**
 Sun, D. L., [LASSO] **Lasso intro**
 Sun, J., [ST] **stintcox**, [ST] **stintreg**
 Sun, L., [R] **ivregress**, [R] **ivregress postestimation**
 Sun, W., [MI] **Intro substantive**
 Sun, Y., [LASSO] **Lasso intro**, [R] **gmm**, [R] **test**,
 [XT] **xt**
 Sunyer, J., [LASSO] **Lasso intro**, [LASSO] **Inference**
examples, [M-5] **LinearProgram()**
 Sussman, S., [ME] **me**, [ME] **meglm**, [ME] **meologit**,
 [ME] **meoprobit**, [XT] **xtologit**, [XT] **xtoprobit**
 Sutton, A. J., [META] **Intro**, [META] **meta**,
 [META] **meta data**, [META] **meta esize**,
 [META] **meta summarize**, [META] **meta**
funnelplot, [META] **meta bias**, [META] **meta**
trimfill, [META] **meta mvregress**
 Svennerholm, A. M., [R] **Epitab**
 Swaminathan, H., [IRT] **irt**, [IRT] **diflogistic**
 Swamy, P. A. V. B., [XT] **xtivreg**, [XT] **xtrec**,
 [XT] **xtreg**
 Swanson, S. A., [MI] **mi estimate**, [MI] **mi impute**,
 [XT] **xtgee**
 Swed, F. S., [R] **runtest**
 Sweeting, M. J., [META] **meta data**, [META] **meta**
esize
 Sweeting, T. J., [ST] **streg**
 Sweetman, O., [R] **gmm**, [R] **Inequality**
 Swensson, B., [SVY] **Variance estimation**
 Swets, J. A., [R] **lroc**
 Sykes, R. C., [IRT] **irt 3pl**
 Sylvester, J. J., [M-5] **svd()**
 Szroeter, J., [R] **regress postestimation**
- ## T
- Tabachnick, B. G., [MV] **discrim**, [MV] **discrim lda**
 Tabord-Meehan, M., [R] **mean**
 Taffé, P., [R] **pwcompare**
 Taka, M. T., [R] **pkcross**
 Tallis, G. M., [ERM] **eprobit postestimation**
 Tamhane, A. C., [FN] **Statistical functions**,
 [PSS-2] **power onemean**, [PSS-2] **power**
onemean, cluster, [R] **oneway**, [R] **ztest**
 Tamminen, J., [BAYES] **Intro**, [BAYES] **bayesmh**
 Tan, S. B., [PSS-2] **power logrank**
 Tan, S. H., [PSS-2] **power logrank**
 Tan, W. Y., [P] **_robust**, [U] **20.26 References**
 Tan, Z., [TE] **teffects intro advanced**, [TE] **teffects**
aipw
 Tanimoto, T. T., [MV] **measure_option**
 Taniuchi, T., [R] **kdensity**
 Tanner, M. A., [BAYES] **Intro**, [MI] **Intro substantive**,
 [MI] **mi impute mvn**
 Tanner, W. P., Jr., [R] **lroc**
 Tanur, J. M., [R] **kwallis**
 Tao, T., [M-5] **LinearProgram()**
 Tapia, R. A., [R] **kdensity**
 Tapia-Schythe, K., [TE] **didregress**
 Tarlov, A. R., [MV] **alpha**, [MV] **factor**, [MV] **factor**
postestimation, [R] **lincom**, [R] **mlogit**,
 [R] **mprobit**, [R] **mprobit postestimation**,
 [R] **predictnl**, [R] **slogit**, [SEM] **Example 37g**
 Tarone, R. E., [R] **Epitab**, [ST] **sts test**
 Tastan, H., [TS] **vargranger**
 Taub, A. J., [XT] **xtreg**
 Tauchmann, H., [M-5] **LinearProgram()**, [MV] **mvreg**,
 [R] **frontier**, [R] **heckman**, [R] **suest**
 Taylor, C., [R] **gllamm**, [R] **glm**
 Taylor, H. M., [TS] **mswitch**
 Taylor, J. B., [DSGE] **Intro 1**
 Taylor, J. E., [LASSO] **Lasso intro**
 Taylor, J. M. G., [MI] **Intro substantive**, [MI] **mi**
impute, [MI] **mi impute pmm**, [MI] **mi impute**
regress
 Taylor, L. W., [R] **predict**
 Taylor, M. A., [R] **set rngstream**, [R] **simulate**
 Taylor, W. E., [XT] **xhtaylor**
 Teller, A. H., [BAYES] **Intro**
 Teller, E., [BAYES] **Intro**
 ten Berge, J. M. F., [MV] **procrustes**
 ter Bogt, T., [MV] **mvtest**

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- Thayer, D. T., [IRT] **difmh**
- Theil, H., [R] **ivregress**, [R] **reg3**, [TS] **prais**
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- Thiele, T. N., [R] **summarize**
- Thissen, D., [IRT] **irt grm**
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- Thomas, D. C., [ST] **sttoco**
- Thomas, D. G., [META] **meta esize**, [R] **Eptab**
- Thomas, D. R., [SVY] **svy: tabulate twoway**
- Thompson, B., [MV] **canon postestimation**, [R] **esize**, [R] **regress postestimation**
- Thompson, D. J., [TE] **teffects intro advanced**
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- Thompson, M. L., [R] **rocreg**
- Thompson, S. G., [ME] **me**, [META] **Intro**, [META] **Intro**, [META] **meta esize**, [META] **meta set**, [META] **meta summarize**, [META] **meta regress**, [META] **estat bubbleplot**, [META] **meta mvregress**, [META] **estat heterogeneity**, [META] **Glossary**
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- Thomson, G. H., [MV] **factor postestimation**, [MV] **Glossary**
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- Tilbury, J. B., [R] **signrank**
- Tilford, J. M., [R] **estat gof**
- Tilling, K., [ME] **mixed**, [ST] **stcox**, [XT] **xtreg**
- Timm, N. H., [MV] **manova**
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- Tippett, L. H. C., [ST] **streg**
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- Tjernström, E., [XT] **xtgee**, [XT] **xtreg**
- Tobin, J., [ERM] **eintreg**, [R] **tobit**
- Toby, J., [SEM] **Example 50g**
- Toeplitz, O., [M-5] **Toeplitz()**
- Tolkien, J. R. R., [SP] **Intro 2**
- Tolnay, S. E., [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
- Toman, R. J., [R] **stepwise**
- Tommasello, A. C., [META] **meta mvregress**
- Tone, K., [M-5] **LinearProgram()**
- Tong, H., [R] **estat ic**, [TS] **threshold**
- Toplis, P. J., [R] **binreg**
- Torgerson, W. S., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
- Torgovitsky, A., [R] **ivregress**
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- Trampe, B., [R] **mlexp**
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- Trefethen, L. N., [M-5] **svd()**
- Treiman, D. J., [R] **eivreg**, [R] **mlogit**
- Trewn, J., [MV] **mds**
- Trichopoulos, D., [R] **Eptab**
- Trikalinos, T. A., [META] **meta bias**
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 [SEM] **Example 53g**, [SEM] **Example 54g**,
 [TE] **etregress**, [TE] **stteffects intro**,
 [TE] **stteffects ipw**, [TE] **stteffects ipwra**,
 [TE] **stteffects postestimation**, [TE] **stteffects**
ra, [TE] **stteffects wra**, [TE] **teffects intro**
advanced, [TE] **teffects aipw**, [TE] **teffects ra**,
 [TS] **forecast estimates**, [XT] **xt**, [XT] **xtnbreg**,
 [XT] **xtpoisson**
- Troncoso, P., [SEM] **gsem**
- Tsai, C.-L., [LASSO] **lasso**, [LASSO] **lassoknots**,
 [R] **npregress intro**, [R] **npregress kernel**
- Tsay, R. S., [TS] **varsoc**, [TS] **vec intro**
- Tse, Y. K., [TS] **mgarch**, [TS] **mgarch vcc**
- Tsiatis, A. A., [R] **exlogistic**, [ST] **stcrreg**,
 [ST] **stintcox**, [ST] **stintreg**, [TE] **stteffects**
intro, [TE] **stteffects ipw**, [TE] **stteffects ipwra**,
 [TE] **stteffects postestimation**, [TE] **stteffects**
ra, [TE] **stteffects wra**, [TE] **teffects intro**
advanced, [TE] **teffects aipw**
- Tsui, A. K. C., [TS] **mgarch**, [TS] **mgarch vcc**
- Tsui, K.-W., [BAYES] **bayesstats ppvalues**,
 [BAYES] **bayespredict**
- Tsybakov, A. B., [LASSO] **Lasso inference intro**,
 [LASSO] **lasso**
- Tu, D., [SVY] **Survey**, [SVY] **svy jackknife**,
 [SVY] **Variance estimation**
- Tufte, E. R., [G-2] **graph bar**, [G-2] **graph pie**,
 [R] **stem**
- Tukey, J. W., [D] **egen**, [G-2] **graph box**, [G-2] **graph**
matrix, [P] **if**, [R] **jackknife**, [R] **ladder**,
 [R] **linktest**, [R] **lv**, [R] **pwcompare**, [R] **regress**
postestimation diagnostic plots, [R] **rreg**,
 [R] **smooth**, [R] **spikeplot**, [R] **stem**, [SVY] **svy**
jackknife
- Tukey, P. A., [G-2] **graph box**, [G-2] **graph matrix**,
 [G-3] **by_option**, [R] **Diagnostic plots**,
 [R] **lowess**, [U] **1.4 References**
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assumption plots, [ST] **stintreg postestimation**
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 [PSS-2] **power twomeans, cluster**,
 [PSS-2] **power oneproportion, cluster**,
 [PSS-2] **power twoproportions, cluster**,
 [PSS-2] **power logrank, cluster**, [R] **permute**,
 [XT] **xtgee**
- Turner, R. M., [ME] **me**
- Tutz, G., [ME] **me**
- Tweedie, R. L., [META] **Intro**, [META] **Intro**,
 [META] **meta**, [META] **meta trimfill**
- Twisk, J. W. R., [XT] **xtgee**, [XT] **xtlogit**,
 [XT] **xtologit**, [XT] **xtprobit**, [XT] **xtrreg**
- Tyler, D. E., [MV] **pca**
- Tzavalis, E., [XT] **xtunitroot**
- Uhlendorff, A., [CM] **cmmprobit**, [R] **mlogit**,
 [R] **mprobit**
- Uhligh, H., [TS] **tsfilter**, [TS] **tsfilter hp**
- Ulam, S., [BAYES] **Intro**
- Ulene, A. L., [ME] **me**, [ME] **meglm**, [ME] **meologit**,
 [ME] **meoprobit**, [XT] **xtologit**, [XT] **xtprobit**
- Ullah, A., [R] **npregress kernel**
- University Group Diabetes Program, [R] **Epitab**
- Uno, H., [ST] **stcox**
- Upton, G. J. G., [U] **1.4 References**
- Upward, R., [ME] **meglm**, [ME] **melogit**,
 [ME] **meoprobit**, [ME] **mepoisson**,
 [ME] **mestreg**, [ME] **mixed**, [XT] **xtrreg**
- Ura, T., [TE] **teffects intro advanced**
- Ureta, M., [XT] **xtrreg**
- Urga, G., [TS] **Time series**, [TS] **arch**, [TS] **arma**,
 [TS] **mgarch**, [TS] **tsline**
- Uribe, M., [DSGE] **Intro 3f**, [DSGE] **Intro 9b**
- Uisinger, R. L., [MV] **cluster dendrogram**
- Uthoff, V. A., [PSS-2] **power cox**
- ## V
- Vach, W., [R] **Epitab**, [R] **mlogit**, [R] **regress**,
 [ST] **stcrreg**
- Væth, M., [PSS-2] **power cox**
- Vahter, P., [ERM] **eprobit**
- Vail, S. C., [ME] **mepoisson**
- Valentine, J. C., [META] **Intro**
- Vallejo, G., [ME] **mixed**
- Valliant, R., [SVY] **Survey**, [SVY] **Calibration**
- Valman, H. B., [R] **fp**
- Valsecchi, M. G., [PSS-2] **power logrank**, [ST] **sterreg**,
 [ST] **sts test**
- van Belle, G., [MV] **factor**, [MV] **pca**, [PSS-2] **power**
twomeans, [PSS-2] **power oneway**,
 [PSS-2] **power twoway**, [R] **anova**, [R] **dstdize**,
 [R] **oneway**
- van Breukelen, G. J. P., [PSS-2] **power onemean**,
cluster, [PSS-2] **power twomeans, cluster**,
 [PSS-2] **power oneproportion, cluster**,
 [PSS-2] **power twoproportions, cluster**
- van Buuren, S., [MI] **Intro substantive**, [MI] **mi**
impute, [MI] **mi impute chained**, [MI] **mi**
impute logit, [MI] **mi impute mlogit**, [MI] **mi**
impute monotone, [MI] **mi impute ologit**,
 [MI] **mi impute poisson**
- van de Geer, S., [LASSO] **Lasso intro**, [LASSO] **lasso**
- Van de Ven, W. P. M. M., [ERM] **eprobit**, [R] **biprobit**,
 [R] **heckoprobit**, [R] **heckprobit**
- van den Broeck, J., [R] **frontier**, [XT] **xtfrontier**
- van der Ende, J., [MV] **mvtest**
- Van der Heijden, P. G. M., [MV] **ca postestimation**
- van der Laan, M. J., [TE] **teffects intro advanced**
- Van Der Linde, A., [BAYES] **bayesstats ic**
- van der Linden, W. J., [IRT] **irt**, [SEM] **Example 28g**,
 [SEM] **Example 29g**
- Van der Merwe, C. A., [MV] **mvtest**, [MV] **mvtest**
means
- ## U
- Überhuber, C. W., [M-5] **Quadrature()**
- Uberti, L. J., [R] **logistic**, [R] **logit**
- Uebersax, J. S., [R] **tetrachoric**

Van der Reyden, D., [R] **ranksum**
 van der Vaart, A. W., [BAYES] **bayesstats ppvalues**,
 [ST] **stintcox**, [TE] **teffects aipw**
 van Doorslaer, E., [SVY] **svy estimation**, [SVY] **svyset**
 van Dorsselaer, S., [MV] **mvtest**
 Van Hoewyk, J., [MI] **Intro substantive**, [MI] **mi**
 impute, [MI] **mi impute chained**, [MI] **mi**
 impute logit, [MI] **mi impute mlogit**, [MI] **mi**
 impute monotone, [MI] **mi impute ologit**,
 [MI] **mi impute poisson**, [MI] **mi impute**
 truncreg
 van Houwelingen, H. C., [META] **meta mvregress**
 Van Kerm, P., [P] **postfile**, [R] **Inequality**, [R] **kdensity**
 Van Loan, C. F., [R] **orthog**, [R] **tetrachoric**,
 [TS] **arfima**, [TS] **arfima postestimation**
 Van Mechelen, I., [MI] **Intro substantive**, [MI] **mi**
 impute
 Van Ourti, T., [R] **Inequality**
 Van Pragg, B. M. S., [ERM] **eprobit**, [R] **biprobit**,
 [R] **heckoprobit**, [R] **heckprobit**
 van Roye, B., [BAYES] **bayes: var**
 Vandebroek, M., [CM] **Intro 6**
 Vandermonde, A.-T., [M-5] **Vandermonde()**
 Varadharajan-Krishnakumar, J., [XT] **xtivreg**
 Vázquez, D. P., [META] **Intro**
 Vazquez-Bare, G., [TE] **teffects intro**, [TE] **teffects**
 intro advanced
 Vazquez-Bare, G., [PSS-2] **power**
 Veall, M. R., [DSGE] **Intro 8**
 Vega Yon, G. G., [R] **set rngstream**
 Vehtari, A., [BAYES] **Intro**, [BAYES] **bayesmh**,
 [BAYES] **bayesstats ic**, [BAYES] **bayesstats**
 ppvalues, [BAYES] **bayesstats**
 summary, [BAYES] **bayespredict**,
 [BAYES] **bayes: xtnbreg**, [BAYES] **Glossary**,
 [MI] **Intro substantive**, [MI] **mi impute mvn**,
 [MI] **mi impute regress**
 Vella, F., [ME] **me**, [TE] **etregress**
 Velleman, P. F., [R] **regress postestimation**, [R] **smooth**
 Venables, W., [R] **esize**
 Venti, S. F., [TE] **telasso**
 Ventura, M., [TE] **teffects intro**
 Ventura, V., [BAYES] **bayesstats ppvalues**
 Verardi, V., [G-2] **graph box**, [MV] **pca**, [R] **correlate**,
 [R] **fp**, [R] **ivregress**, [R] **lpoly**, [R] **npregress**
 kernel, [R] **poisson**, [R] **rreg**, [R] **summarize**,
 [XT] **xtreg**
 Verbeek, M., [ME] **me**, [TE] **etregress**
 Verbeke, G., [ME] **me**, [ME] **me**, [ME] **meglm**,
 [ME] **menl**, [ME] **mixed**, [MI] **Intro**
 substantive, [MI] **mi impute**, [XT] **xtreg**
 postestimation
 Verdinelli, I., [BAYES] **Intro**
 Verdurmen, J., [MV] **mvtest**
 Verkuilen, J., [R] **betareg**
 Vermandele, C., [G-2] **graph box**, [R] **summarize**
 Verme, C. N., [ME] **menl**
 Veroniki, A. A., [META] **Intro**, [META] **meta esize**,
 [META] **meta set**, [META] **meta summarize**

Vetter, J. A., [META] **meta forestplot**
 Vetterling, W. T., [FN] **Statistical functions**,
 [G-2] **graph twoway contour**, [M-5] **solvent()**,
 [P] **matrix symeigen**, [R] **dydx**
 Vevea, J. L., [META] **Intro**, [META] **meta summarize**
 Vick, R., [R] **mlexp**
 Vidakovic, B., [BAYES] **Intro**
 Vidmar, S., [R] **ameans**
 Viechtbauer, W., [META] **Intro**, [META] **meta esize**,
 [META] **meta set**, [META] **meta summarize**,
 [META] **meta regress**
 Vigfusson, R. J., [TS] **forecast solve**
 Villejo, L., [META] **meta mvregress**
 Vinten-Johansen, P., [R] **Epitab**
 Vittinghoff, E., [R] **logistic**, [ST] **stcox**, [TE] **stteffects**
 intro, [TE] **stteffects ipw**, [TE] **stteffects ipwra**,
 [TE] **stteffects postestimation**, [TE] **stteffects ra**,
 [TE] **stteffects wra**, [TE] **teffects intro advanced**
 Vock, D. M., [TE] **telasso**
 Voena, A., [TE] **didregress**
 Vogel, R. M., [R] **ameans**
 Vohr, B. R., [R] **rocreg**, [R] **rocreg postestimation**,
 [R] **rocregplot**
 Vollebergh, W. A. M., [MV] **mvtest**
 von Bortkiewicz, L., [R] **poisson**
 von Eye, A., [R] **correlate**
 von Neumann, J., [BAYES] **Intro**
 Von Storch, H., [R] **brier**
 Vondráček, J., [R] **correlate**
 Vonesh, E. F., [ME] **me**, [ME] **menl**
 Vuong, Q. H., [R] **ivprobit**

W

Wacholder, S., [R] **binreg**
 Wada, R., [TABLES] **Intro**
 Wade, A., [META] **Intro**
 Wagner, H. M., [R] **qreg**
 Wagner, M., [XT] **xtunitroot**
 Wagner, T., [MV] **mvtest**
 Wagstaff, A., [SVY] **svy estimation**, [SVY] **svyset**
 Wagstaff, D. A., [MI] **mi estimate**
 Wainer, H., [G-2] **graph pie**, [IRT] **DIF**
 Wainwright, M., [LASSO] **Lasso intro**,
 [LASSO] **elasticnet**, [LASSO] **lasso**,
 [LASSO] **lassogof**, [LASSO] **lasso options**,
 [LASSO] **sqrtlasso**
 Waksman, J., [PSS-2] **power logrank**, **cluster**
 Walburg, H. E., Jr., [ST] **stntreg**
 Wald, A., [TS] **varwle**
 Walker, A. J., [FN] **Random-number functions**,
 [M-5] **runiform()**
 Walker, A. M., [R] **Epitab**
 Walker, J., [CM] **cmmixlogit**, [CM] **cmxtmixlogit**
 Walker, S., [ST] **sts test**
 Walle, Y. M., [XT] **xtcointtest**, [XT] **xtgls**
 Waller, L. A., [SP] **Intro**, [SP] **spregress**
 Wallet, P. A., [META] **Intro**

- Wallgren, A., [G-1] **Graph intro**
- Wallgren, B., [G-1] **Graph intro**
- Wallis, W. A., [R] **kwallis**
- Walsh, B., [R] **Inequality**
- Walstrum, T., [TE] **etregress**
- Walters, E. H., [META] **meta data**
- Walters, S. J., [PSS-2] **power onemean, cluster,**
[PSS-2] **power twomeans, cluster,**
[PSS-2] **power oneproportion, cluster,**
[PSS-2] **power twoproportions, cluster, [R] ci,**
[R] **kappa, [R] tabulate twoway, [R] ztest**
- Wand, M. P., [BAYES] **bayesmh, [ME] me,**
[ME] **meglm, [ME] mixed, [R] kdensity**
- Wang, D., [R] **frontier, [XT] xtfrontier**
- Wang, H., [PSS-2] **Intro (power), [PSS-2] power onemean, [PSS-2] power twomeans,**
[PSS-2] **power pairedmeans, [PSS-2] power oneproportion, [PSS-2] power exponential,**
[PSS-3] **Intro (ciwidth), [PSS-3] ciwidth onemean, [PSS-3] ciwidth twomeans**
- Wang, H.-J., [R] **frontier, [XT] xtfrontier**
- Wang, J.-L., [ST] **sts graph**
- Wang, J. W., [ST] **streg**
- Wang, L., [LASSO] **sqrtlasso, [ST] stintcox**
- Wang, N., [META] **Intro**
- Wang, Q., [R] **ivregress, [TS] arima, [TS] newey**
- Wang, S., [R] **ivregress postestimation**
- Wang, Y., [CM] **cmmprobit, [TS] var, [TS] vargranger**
- Wang, Z., [R] **Epitab, [R] logistic postestimation,**
[R] **stepwise**
- Ward, B. W., [R] **ci**
- Ward, J. H., Jr., [MV] **cluster, [MV] cluster linkage**
- Ware, J. H., [ME] **me, [ME] meglm, [ME] melogit,**
[ME] **meoprobit, [ME] mepoisson,**
[ME] **mestreg, [ME] mixed, [ST] sts test**
- Ware, J. E., Jr., [MV] **alpha, [MV] factor, [MV] factor postestimation, [R] lincom, [R] mlogit,**
[R] **mprobit, [R] mprobit postestimation,**
[R] **predictnl, [R] slogit, [SEM] Example 37g**
- Warren, K., [R] **Epitab**
- Wasi, N., [D] **merge**
- Wason, J. M. S., [PSS-2] **power repeated,**
[PSS-2] **power oneslope**
- Wasserstein, R. L., [U] **20.26 References**
- Waterson, E. J., [R] **binreg**
- Watson, G. S., [R] **lpoly, [R] npregress kernel,**
[R] **regress postestimation time series,**
[TS] **prais, [TS] Glossary**
- Watson, I., [TABLES] **Intro**
- Watson, M. W., [R] **areg postestimation, [R] ivregress,**
[R] **regress, [TS] Time series, [TS] arch,**
[TS] **dfactor, [TS] dfgls, [TS] irf create,**
[TS] **rolling, [TS] sspace, [TS] var intro,**
[TS] **var, [TS] var svar, [TS] vec intro,**
[TS] **vec, [TS] vecrank, [XT] xtcloglog,**
[XT] **xtlogit, [XT] xtlogit, [XT] xtprobit,**
[XT] **xtpoisson, [XT] xtprobit, [XT] xtreg,**
[XT] **xtstreg**
- Weatherholt, R., [R] **prtest**
- Webb, M. D., [R] **bootstrap, [TE] DID intro,**
[TE] **didregress**
- Weber, A., [META] **Intro**
- Weber, S., [R] **correlate, [SP] spdistance,**
[TS] **vargranger**
- Webster, A. D., [R] **fp**
- Wechsler, S., [ERM] **eintreg**
- Wedderburn, R. W. M., [LASSO] **lasso, [R] glm,**
[XT] **xtgee**
- Wedel, M., [FMM] **fmm intro, [FMM] Example 3**
- Weeks, D. G., [SEM] **estat framework,**
[SEM] **Glossary**
- Weerahandi, S., [BAYES] **bayesstats ppvalues,**
[BAYES] **bayespredict**
- Weesie, J., [CM] **cmrologit, [D] joinby, [D] label,**
[D] **label language, [D] labelbook,**
[D] **mvencode, [D] recode, [D] reshape,**
[MV] **alpha, [MV] ca postestimation,**
[R] **hausman, [R] ladder, [R] regress postestimation, [R] suest, [R] sureg, [R] tabstat,**
[R] **tetrachoric, [SEM] Acknowledgments,**
[ST] **stsplit**
- Wei, H., [M-5] **LinearProgram()**
- Wei, L., [ME] **mixed**
- Wei, L. J., [P] **_robust, [ST] stcox, [ST] sterreg,**
[SVY] **svy estimation, [U] 20.26 References**
- Wei, W. W. S., [TS] **psdensity, [TS] tsfilter, [TS] ucm,**
[TS] **Glossary**
- Wei, Y., [LASSO] **Lasso inference intro,**
[LASSO] **dslotit, [LASSO] dspoisson,**
[LASSO] **lasso, [LASSO] pologit,**
[LASSO] **popoisson, [LASSO] poregress,**
[ST] **ltable, [ST] stcox postestimation**
- Weibull, W., [ST] **streg**
- Weidner, M., [XT] **xtlogit, [XT] xtprobit**
- Weinberg, S. L., [R] **anova, [R] oneway, [R] ttest**
- Weisberg, H. F., [R] **summarize**
- Weisberg, S., [R] **boxcox, [R] regress, [R] regress postestimation**
- Weiss, J., [MV] **mdsmat**
- Weiss, M., [D] **egen, [G-3] by_option, [R] estimates table, [U] 13.13 References**
- Weinstein, E. W., [R] **rocreg postestimation**
- Welch, B. L., [R] **esize, [R] ttest**
- Welch, C., [MI] **mi impute chained**
- Welch, K. B., [ME] **estat wcorrelation, [ME] mixed**
- Welch, P. D., [BAYES] **Intro**
- Weller, S. C., [MV] **ca**
- Wellington, J. F., [R] **qreg**
- Wellner, J. A., [ST] **stintcox, [ST] stintreg**
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[R] **mprobit postestimation, [R] predictnl,**
[R] **slogit**
- Welsch, R. E., [R] **regress postestimation,**
[R] **regress postestimation diagnostic plots,**
[U] **18.14 References**
- Welsh, A. H., [R] **bootstrap**
- Welsh, D., [M-5] **halton()**
- Wernow, J. B., [D] **destring**

- West, B. T., [ME] **estat wcorrelation**, [ME] **mixed**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Subpopulation estimation**
- West, K. D., [R] **glm**, [R] **gmm**, [R] **ivregress**, [TS] **newey**, [TS] **pperron**, [XT] **xtcointtest**, [XT] **xtunitroot**
- West, M., [BAYES] **Intro**, [BAYES] **bayesstats**, [BAYES] **ppvalues**, [BAYES] **bayespredict**
- West, S., [R] **Epitab**
- West, S. G., [R] **pcorr**
- Westerlund, J., [XT] **xtcointtest**
- Westfall, R. S., [M-5] **optimize()**
- Westlake, W. J., [R] **pkequiv**
- Wewers, M. E., [META] **meta mvregress**
- Weyl, H. K. H., [M-5] **svd()**
- Wheaton, B., [SEM] **Example 9**
- Whelton, P. K., [PSS-2] **power repeated**
- White, H. L., Jr., [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [P] **_robust**, [R] **regress**, [R] **regress postestimation**, [R] **rocreg**, [R] **suest**, [TS] **newey**, [TS] **prais**, [U] **20.26 References**, [XT] **xthekman**, [XT] **xtivreg**
- White, I. R., [META] **meta**, [META] **meta mvregress**, [META] **estat heterogeneity**, [META] **Glossary**, [MI] **Intro substantive**, [MI] **Intro**, [MI] **mi estimate**, [MI] **mi estimate using**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute monotone**, [MI] **mi impute pmm**, [MI] **mi predict**, [R] **simulate**, [ST] **sts test**
- White, K. J., [R] **boxcox**, [R] **regress postestimation time series**
- White, P. O., [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- White, H. L., Jr., [U] **20.22.2 Correlated errors: Cluster-robust standard errors**
- Whited, T. M., [R] **eivreg**, [R] **gmm**
- Whitehead, A., [META] **Intro**, [META] **meta bias**, [META] **Glossary**, [XT] **xtunitroot**
- Whitehead, J., [META] **Intro**, [META] **meta bias**, [META] **Glossary**
- Whitehouse, E., [R] **Inequality**
- Whitemore, G. A., [ST] **stcox PH-assumption tests**
- Whitfield, J. W., [R] **ranksum**
- Whiting, P., [ME] **melogit**, [ME] **meoprobit**, [META] **meta**, [R] **roccomp**, [R] **roctab**
- Whitney, D. R., [R] **kwallis**, [R] **ranksum**
- Whitney-Saltiel, D. A., [ME] **me**, [ME] **meglm**, [ME] **meologit**, [ME] **meoprobit**, [XT] **xtologit**, [XT] **xtoprobit**
- Whittaker, J. C., [FN] **Random-number functions**, [MV] **ca**, [MV] **factor**, [MV] **mca**, [MV] **pca**
- Whittle, P., [SP] **Intro**, [SP] **spregress**
- Wichern, D. W., [MV] **canon**, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **mvtest**, [MV] **mvtest correlations**, [MV] **mvtest covariances**, [MV] **mvtest means**
- Wichura, M. J., [FN] **Random-number functions**
- Wickramaratne, P. J., [PSS-2] **Intro (power)**
- Widen, J. E., [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- Wieand, S., [R] **rocreg**, [R] **rocreg postestimation**
- Wiesner, R. H., [ST] **stcrreg**
- Wiffen, P. J., [META] **meta**
- Wiggins, V. L., [G-3] **axis_choice_options**, [G-3] **axis_label_options**, [ME] **mixed**, [SEM] **sem**, [TS] **sspace**, [U] **16.5 References**, [U] **17.10 References**
- Wikle, C. K., [BAYES] **Intro**
- Wilcox, D. W., [R] **ivregress postestimation**
- Wilcox, R. A., [R] **ranksum**, [R] **signrank**
- Wilcox, R. R., [D] **egen**
- Wilcoxon, F., [R] **kwallis**, [R] **ranksum**, [R] **signrank**, [ST] **sts test**
- Wilde, J., [R] **gmm**
- Wiley, N. Y., [U] **1.4 References**
- Wilhelm, D., [R] **eivreg**, [R] **lpoly**, [R] **npregress kernel**, [R] **npregress series**
- Wilhelm, S., [ERM] **eprobit postestimation**
- Wilk, M. B., [R] **cumul**, [R] **Diagnostic plots**, [R] **swilk**
- Wilkinson, J. H., [P] **matrix symeigen**
- Wilkinson, L., [ST] **sts**
- Wilks, D. S., [R] **brier**
- Wilks, S. S., [MV] **canon**, [MV] **hotelling**, [MV] **manova**
- Williams, B., [SVY] **Survey**
- Williams, B. K., [MV] **discrim lda**
- Williams, G. W., [PSS-2] **power pairedproportions**
- Williams, H. P., [M-5] **LinearProgram()**
- Williams, R., [R] **glm**, [R] **hetoprobit**, [R] **margins**, [R] **marginsplot**, [R] **ologit**, [R] **oprobit**, [R] **pcorr**, [R] **stepwise**, [U] **20.26 References**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
- Williams, T. O., Jr., [SEM] **Example 2**
- Williams, W. T., [MV] **cluster**
- Williamson, T., [R] **pwcompare**
- Wilson, A., [META] **meta data**
- Wilson, D. B., [BAYES] **Intro**
- Wilson, E. B., [MV] **mvtest normality**, [R] **ci**
- Wilson, M., [BAYES] **bayesmh**, [IRT] **irt**, [IRT] **Control Panel**, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt hybrid**, [IRT] **irt group()**, [IRT] **irtgraph**, [IRT] **difflogistic**, [IRT] **difmh**, [ME] **me**, [MV] **rotate**
- Wilson, M. E., [META] **meta**, [META] **meta data**, [META] **meta forestplot**, [META] **meta regress**, [META] **meta regress postestimation**
- Wilson, S. R., [R] **bootstrap**
- Windmeijer, F., [R] **gmm**, [R] **ivpoisson**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
- Winer, B. J., [ME] **mixed**, [PSS-2] **power repeated**, [R] **anova**, [R] **contrast**, [R] **loneway**, [R] **oneway**, [R] **pwcompare**
- Winfree, R., [META] **Intro**
- Wing, C., [TE] **DID intro**, [TE] **didregress**

Wingood, G. M., [R] **nbreg**, [R] **poisson**
Winkelmann, R., [ME] **menbreg**, [R] **cpoisson**,
[R] **ologit**, [XT] **xtlogit**
Winsten, C. B., [TS] **prais**
Winter, N. J. G., [G-2] **graph twoway scatter**,
[P] **levelsof**, [SVY] **Survey**
Winters, P. R., [TS] **tssmooth**, [TS] **tssmooth**
dexponential, [TS] **tssmooth exponential**,
[TS] **tssmooth hwinters**, [TS] **tssmooth**
shwinters
Wise, D. A., [TE] **telasso**
Wish, M., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
Wishart, J., [FN] **Statistical functions**
Wittes, J., [PSS-2] **power**
Wodtke, G. T., [TE] **teffects intro**
Wolf, M., [R] **test**
Wolfe, F., [D] **ds**, [R] **spearman**
Wolfe, R. A., [ST] **stintcox**, [ST] **stintreg**
Wolfinger, R. D., [ME] **me**, [ME] **menl**
Wolfowitz, J., [TS] **varwle**
Wolfram, S., [ME] **meglm postestimation**, [ST] **streg**
Wolfson, C., [R] **kappa**
Wolfson, J., [TE] **telasso**
Wolk, A., [R] **Epitab**
Wolkewitz, M., [D] **icd10**
Wolpert, R. L., [BAYES] **Intro**, [BAYES] **Intro**
Wolpin, K. I., [CM] **cmmprobit**
Wolter, K. M., [SVY] **Survey**, [SVY] **svy brr**,
[SVY] **Variance estimation**
Wong, S. P., [R] **icc**
Wong, W. H., [BAYES] **Intro**, [MI] **Intro substantive**,
[MI] **mi impute mvn**
Wood, A. M., [MI] **Intro substantive**, [MI] **mi**
estimate, [MI] **mi estimate using**, [MI] **mi**
impute, [MI] **mi impute chained**, [MI] **mi**
predict
Wood, F. S., [R] **Diagnostic plots**
Woodard, D. E., [MV] **manova**, [R] **contrast**
Woodcock, A., [R] **ztest**
Woodford, M., [DSGE] **Intro 1**, [DSGE] **Intro 5**
Woodward, M., [R] **Epitab**
Woodward, R. T., [META] **Intro**
Wooldridge, J. M., [ERM] **Intro 7**, [ERM] **Intro 9**,
[ERM] **eintreg**, [ERM] **eoprobit**,
[ERM] **eoprobit postestimation**, [ERM] **eprobit**,
[ERM] **eprobit postestimation**, [ERM] **eregress**,
[ERM] **eregress postestimation**, [ERM] **eregress**
predict, [ERM] **Glossary**, [LASSO] **Lasso**
inference intro, [LASSO] **Inference examples**,
[LASSO] **lassogof**, [M-5] **LinearProgram()**,
[R] **areg postestimation**, [R] **churdle**,
[R] **fracreg**, [R] **gmm**, [R] **heckoprobit**,
[R] **intreg**, [R] **ivpoisson**, [R] **ivprobit**,
[R] **ivprobit postestimation**, [R] **ivregress**,
[R] **ivregress postestimation**, [R] **ivtobit**
postestimation, [R] **margins**, [R] **margins**,
contrast, [R] **qreg**, [R] **regress**, [R] **regress**
postestimation, [R] **regress postestimation time**
series, [R] **tobit**, [SEM] **estat ginvariant**,

Wooldridge, J. M., *continued*
[SEM] **estat mindices**, [SEM] **estat scoretests**,
[SEM] **Methods and formulas for sem**,
[TE] **DID intro**, [TE] **didregress**, [TE] **eteffects**,
[TE] **etregress**, [TE] **stteffects intro**,
[TE] **stteffects ipw**, [TE] **stteffects ipwra**,
[TE] **stteffects postestimation**, [TE] **stteffects**
ra, [TE] **stteffects wra**, [TE] **teffects intro**
advanced, [TE] **teffects aipw**, [TE] **teffects**
multivalued, [TE] **teffects ra**, [TS] **arch**,
[TS] **mgarch**, [TS] **mgarch dvech**, [TS] **prais**,
[XT] **xt**, [XT] **xtcloglog**, [XT] **xheckman**,
[XT] **xtivreg**, [XT] **xtlogit**, [XT] **xtologit**,
[XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**,
[XT] **xtrg**, [XT] **xstreg**
Woolf, B., [R] **Epitab**
Woolson, R. F., [PSS-2] **power cmh**
Wooster, D., [META] **Intro**
Working, H., [R] **roccomp**, [R] **rocfitt**, [R] **roctab**
World Health Organization, [D] **icd**, [D] **icd10**
Wozney, L., [META] **Intro**
Wretman, J., [SVY] **Variance estimation**
Wright, B. D., [IRT] **irt**
Wright, D. B., [SEM] **Example 41g**
Wright, J. H., [R] **ivregress**, [R] **ivregress**
postestimation, [XT] **xhtaylor**
Wright, J. T., [R] **binreg**
Wright, J. T., Jr, [PSS-2] **power repeated**
Wright, P. G., [R] **ivregress**
Wright, S. J., [M-5] **LinearProgram()**
Wu, A. W., [IRT] **irt**
Wu, C. F. J., [R] **qreg**, [SVY] **svy bootstrap**,
[SVY] **Variance estimation**
Wu, D.-M., [R] **ivregress postestimation**
Wu, N., [R] **ivregress**, [TS] **arima**, [TS] **newey**
Wu, P. X., [XT] **xregar**
Wu, S., [XT] **xtunitroot**
Wui, Y.-S., [META] **Intro**
Wulff, J. N., [R] **churdle**, [R] **fracreg**
Wursten, J., [D] **joinby**, [D] **merge**, [XT] **xtcointtest**,
[XT] **xtrg**, [XT] **xregar**
Wynn, A. H. A., [BAYES] **bayesmh**

X

Xia, Y., [R] **zinh**, [R] **zioprobit**, [R] **zip**
Xiao, T., [ST] **stcox PH-assumption tests**
Xiao, Z., [R] **QC**, [R] **sktest**
Xie, T., [PSS-2] **power logrank**, **cluster**
Xie, Y., [R] **logit**, [R] **probit**
Xin, Y., [XT] **xtddpd**, [XT] **xtddpsys**
Xu, J., [R] **cloglog**, [R] **fracreg**, [R] **logistic**, [R] **logit**,
[R] **mlogit**, [R] **ologit**, [R] **oprobit**, [R] **probit**
Xu, X., [R] **nbreg**, [R] **poisson**
Xu, Y., [ST] **stcox**

Y

Yang, K., [MV] **mds**
 Yang, M., [ME] **me**
 Yang, Z., [R] **poisson**
 Yao, S., [R] **npregress kernel**
 Yar, M., [TS] **tssmooth**, [TS] **tssmooth dexpontential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinders**, [TS] **tssmooth shwinders**
 Yatchew, A., [R] **hetoprobit**
 Yates, F., [P] **levelsof**
 Yates, J. F., [R] **brier**
 Ye, X., [R] **gmm**, [R] **test**
 Yee, T. W., [R] **slogit**
 Yellott, J. I., Jr., [CM] **cmrologit**
 Yen, S., [R] **Epitab**
 Yen, W. M., [IRT] **irt 3pl**, [MV] **alpha**
 Yeo, D., [SVY] **svy bootstrap**, [SVY] **Variance estimation**
 Yogo, M., [R] **ivregress**, [R] **ivregress postestimation**, [XT] **xhtaylor**
 Yoo, H. I., [P] **_robust**
 Yoshioka, H., [R] **logistic postestimation**, [R] **logit postestimation**
 Young, F. W., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
 Young, G., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
 Ypma, T. J., [M-5] **optimize()**
 Yu, B., [BAYES] **Intro**, [BAYES] **bayesgraph**
 Yu, H., [PSS-2] **power onemean, cluster**, [PSS-2] **power twomeans, cluster**, [PSS-2] **power oneproportion, cluster**, [PSS-2] **power twoproportions, cluster**, [PSS-2] **power logrank, cluster**, [R] **permute**
 Yu, J., [MV] **mvtest**, [MV] **mvtest means**, [SP] **Intro**, [SP] **spxtregress**
 Yue, K., [SVY] **svy bootstrap**, [SVY] **Variance estimation**
 Yule, G. U., [MV] **measure_option**
 Yun, M.-S., [R] **logistic postestimation**, [R] **logit postestimation**
 Yung, W., [SVY] **svy bootstrap**, [SVY] **Variance estimation**
 Yusuf, S., [BAYES] **bayesmh**, [META] **meta esize**, [META] **meta summarize**

Z

Zabell, S. L., [R] **kwallis**
 Zakoian, J. M., [TS] **arch**
 Zamora, J., [R] **logistic**, [R] **logit**
 Zamora, M., [R] **heckoprobit**, [R] **heckprobit**
 Zappasodi, P., [MV] **manova**
 Zar, J. H., [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**
 Zavoina, W., [R] **ologit**

Zeger, S. L., [BAYES] **bayesmh**, [ME] **me**, [ME] **meglm**, [ME] **mixed**, [XT] **xtcloglog**, [XT] **xtgee**, [XT] **xtlogit**, [XT] **xtnbreg**, [XT] **xtlogit**, [XT] **xtprobit**, [XT] **xtpoisson**, [XT] **xtprobit**
 Zeh, J., [D] **egen**
 Zelen, M., [R] **ttest**, [R] **ztest**
 Zell, E. R., [D] **icd10**
 Zellner, A., [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **bayesstats pvalues**, [R] **frontier**, [R] **nlstur**, [R] **reg3**, [R] **sureg**, [TS] **prais**, [XT] **xtfrontier**
 Zelterman, D., [R] **tabulate twoway**
 Zeng, D., [ST] **stintcox**, [TS] **mswitch**
 Zhang, C.-H., [LASSO] **Lasso intro**
 Zhang, K., [LASSO] **Lasso intro**
 Zhang, N., [R] **frontier**, [XT] **xtfrontier**
 Zhang, S., [PSS-2] **power onemean, cluster**, [PSS-2] **power twomeans, cluster**, [PSS-2] **power oneproportion, cluster**, [PSS-2] **power twoproportions, cluster**, [R] **prtest**, [R] **ztest**
 Zhang, S. S., [LASSO] **Lasso intro**
 Zhang, Y., [LASSO] **lasso**, [LASSO] **lassoknots**, [R] **heckman**, [R] **ivregress**, [ST] **stintcox**, [XT] **xtivreg**
 Zhang, Z., [SEM] **Example 42g**
 Zhao, L., [LASSO] **Lasso intro**
 Zhao, L. P., [TE] **stteffects ipwra**, [TE] **teffects intro advanced**, [XT] **xtgee**
 Zhao, X., [R] **zioprobit**
 Zheng, X., [IRT] **irt**, [IRT] **irt grm**, [IRT] **irt rsm**, [R] **gllamm**
 Zhou, Q., [R] **ivregress**, [XT] **xtivreg**
 Zhou, Y., [R] **zinb**, [R] **zioprobit**, [R] **zip**
 Zhu, G., [TS] **wntestq**
 Zirkler, B., [MV] **mvtest**, [MV] **mvtest normality**
 Zlotnik, A., [R] **logit postestimation**
 Zou, H., [LASSO] **elasticnet**, [LASSO] **lasso**
 Zubin, J., [MV] **measure_option**
 Zubkoff, M., [MV] **alpha**, [MV] **factor**, [MV] **factor postestimation**, [R] **lincom**, [R] **mlogit**, [R] **mprobit**, [R] **mprobit postestimation**, [R] **predictnl**, [R] **slogit**, [SEM] **Example 37g**
 Zucchini, W., [R] **rocreg**
 Zweifel, J. R., [META] **meta esize**
 Zwiers, F. W., [R] **brier**
 Zwilling, D., [TS] **arfima**
 Zwinderman, A. H., [META] **meta mvregress**
 Zylkin, T., [XT] **xtpoisson**
 Zyphur, M. J., [SEM] **Example 42g**, [XT] **xtdpd**

Subject index

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z

Symbols

! (not), see [logical operators](#)
!= (not equal), see [relational operators](#)
& (and), see [logical operators](#)
* abbreviation character, see [abbreviations](#)
*, clear subcommand, [D] [clear](#)
* comment indicator, [P] [comments](#)
,, row-join operator, see [join operator](#)
- abbreviation character, see [abbreviations](#)
-> operator, [M-2] [struct](#)
., class, [P] [class](#)
/* */ comment delimiter, [M-2] [Comments](#),
[P] [comments](#)
// comment indicator, [M-2] [Comments](#), [P] [comments](#)
/// comment indicator, [P] [comments](#)
; delimiter, [P] [#delimit](#)
< (less than), see [relational operators](#)
<= (less than or equal), see [relational operators](#)
== (equality), see [relational operators](#)
> (greater than), see [relational operators](#)
>= (greater than or equal), see [relational operators](#)
?:, see [conditional operator](#)
? abbreviation characters, see [abbreviations](#)
\, column-join operator, see [join operator](#)
| (or), see [logical operators](#)
~ (not), see [logical operators](#)
~ abbreviation character, see [abbreviations](#)
~= (not equal), see [relational operators](#)
100% sample, [SVY] [Glossary](#)
1:M matched design, [PSS-2] [power mcc](#),
[PSS-5] [Glossary](#)
1PL, see [one-parameter logistic model](#)
1pl, irt subcommand, [IRT] [irt 1pl](#), [IRT] [irt 1pl](#)
[postestimation](#)
2×2×K contingency table, [PSS-5] [Glossary](#)
2×2 contingency table, [PSS-5] [Glossary](#)
2PL, see [two-parameter logistic model](#)
2pl, irt subcommand, [IRT] [irt 2pl](#), [IRT] [irt 2pl](#)
[postestimation](#)
3PL, see [three-parameter logistic model](#)
3pl, irt subcommand, [IRT] [irt 3pl](#), [IRT] [irt 3pl](#)
[postestimation](#)

A

.a, .b, . . . , .z, see [missing values](#)
a posteriori, [BAYES] [Glossary](#)
a priori, [BAYES] [Glossary](#)
Aalen–Nelson cumulative hazard, see [Nelson–Aalen](#)
[cumulative hazard](#)

Abadie–Imbens robust standard errors, see [robust](#),
[Abadie–Imbens standard errors](#)
abbrev() function, [FN] [String functions](#),
[M-5] [abbrev\(\)](#)
abbreviations,
for commands and options, [U] [11.1.1 varlist](#),
[U] [11.2 Abbreviation rules](#)
for strings, see [abbrev\(\)](#) function
for variable names, [U] [11.2 Abbreviation rules](#),
[U] [11.4 varname and varlists](#)
unabbreviating command names, [P] [unabcmd](#)
unabbreviating variable list, [P] [syntax](#), [P] [unab](#)
ability, [IRT] [Glossary](#), also see [item response theory](#)
[models](#)
abond, estat subcommand, [XT] [xtabond](#),
[XT] [xtabond postestimation](#), [XT] [xtdpd](#)
[postestimation](#), [XT] [xtdpdsys](#), [XT] [xtdpdsys](#)
[postestimation](#)
abort command execution, [U] [9 The Break key](#),
[U] [10 Keyboard use](#)
about command, [R] [about](#)
abs() function, [FN] [Mathematical functions](#),
[M-5] [abs\(\)](#)
absolute value
dissimilarity measure, [MV] [measure_option](#)
function, see [abs\(\)](#) function
absorption in regression, [R] [areg](#)
ac command, [TS] [corrgram](#)
accelerated failure-time model, [FMM] [fmm: streg](#),
[ST] [stintreg](#), [ST] [streg](#), [ST] [Glossary](#)
acceptance
rate, [BAYES] [Intro](#), [BAYES] [Bayesian](#)
[commands](#), [BAYES] [bayesmh](#),
[BAYES] [Glossary](#)
region, [PSS-5] [Glossary](#)
Access, Microsoft, importing from, [D] [odbc](#)
accrual period, [PSS-2] [power exponential](#),
[PSS-2] [power logrank](#), [PSS-5] [Glossary](#)
accum, matrix subcommand, [P] [matrix accum](#)
A.clear() function, [M-5] [AssociativeArray\(\)](#)
acos() function, [FN] [Trigonometric functions](#),
[M-5] [sin\(\)](#)
acosh() function, [FN] [Trigonometric functions](#),
[M-5] [sin\(\)](#)
acplot, estat subcommand, [TS] [estat acplot](#)
acprplot command, [R] [regress postestimation](#)
[diagnostic plots](#)
actual
alpha, [PSS-5] [Glossary](#), also see [significance level](#)
confidence-interval width, [PSS-5] [Glossary](#)
power, see [power](#)
probability of confidence-interval width,
[PSS-5] [Glossary](#)
sample size, [PSS-5] [Glossary](#), also see [sample-size](#)
[sample-size ratio](#), [PSS-5] [Glossary](#)
significance level, [PSS-5] [Glossary](#), also see
[significance level](#)
actuarial tables, see [life tables](#)

- adaptation, [BAYES] [Intro](#), [BAYES] [bayesmh](#), [BAYES] [Glossary](#)
 - period, [BAYES] [bayesmh](#), [BAYES] [Glossary](#)
- adaptive iteration, [BAYES] [bayesmh](#), [BAYES] [Glossary](#)
- adaptive lasso, [LASSO] [Inference examples](#), [LASSO] [lasso examples](#), [LASSO] [lasso fitting](#), [LASSO] [Glossary](#)
- add,
 - [bayesirf](#) subcommand, [BAYES] [bayesirf](#)
 - [irf](#) subcommand, [TS] [irf add](#)
 - [jdbc](#) subcommand, [D] [jdbc](#)
 - [mi](#) subcommand, [MI] [mi add](#)
 - [return](#) subcommand, [P] [return](#)
- add factor, [TS] [Glossary](#)
- added lines, $y=x$, [G-2] [graph twoway function](#)
- [addedlinestyle](#), [G-4] [addedlinestyle](#), [G-4] [Glossary](#)
- added-variable plots, [R] [regress postestimation diagnostic plots](#)
- [addgroup](#), [ssd](#) subcommand, [SEM] [ssd](#)
- addition across
 - observations, [D] [egen](#)
 - variables, [D] [egen](#)
- addition operator, see [arithmetic operators](#)
- [addplot\(\)](#) option, [G-3] [addplot_option](#)
- [addtags](#), [collect](#) subcommand, [TABLES] [collect addtags](#)
- ADF, see [asymptotic distribution free](#)
- adjacent areas, [SP] [Glossary](#)
- adjoint matrix, [M-2] [op_transpose](#), [M-5] [conj\(\)](#)
- adjugate matrix, [M-2] [op_transpose](#), [M-5] [conj\(\)](#)
- [adjust](#), [forecast](#) subcommand, [TS] [forecast adjust](#)
- adjusted
 - [Kaplan–Meier survivor function](#), [ST] [sts](#)
 - [margins](#), [R] [margins](#), [R] [marginsplot](#)
 - [means](#), [CM] [margins](#), [R] [contrast](#), [R] [margins](#), [R] [marginsplot](#)
 - [partial residual plot](#), [R] [regress postestimation diagnostic plots](#)
- [adjustfor\(\)](#) option, [ST] [adjustfor_option](#)
- administrative censoring, [PSS-2] [power cox](#), [PSS-2] [power exponential](#), [PSS-2] [power logrank](#), [PSS-5] [Glossary](#)
- ado
 - command, [R] [net](#)
 - [describe](#) command, [R] [net](#)
 - [dir](#) command, [R] [net](#)
 - [uninstall](#) command, [R] [net](#)
 - [update](#) command, [R] [ado update](#), [R] [net](#)
- ado,
 - [clear](#) subcommand, [D] [clear](#)
 - [view](#) subcommand, [R] [view](#)
- [ado_d](#), [view](#) subcommand, [R] [view](#)
- .ado file, [U] [11.6](#) [Filenaming conventions](#)
- ado-files, [U] [17](#) [Ado-files](#), [U] [18.11](#) [Ado-files](#)
 - adding comments to, [P] [comments](#), [U] [18.11.2](#) [Comments and long lines in ado-files](#)
 - debugging, [P] [trace](#), [U] [18.11.3](#) [Debugging ado-files](#)
 - downloading, see [files](#), downloading
 - editing, [R] [doedit](#)
 - installing, [R] [net](#), [R] [sj](#), [R] [ssc](#), [U] [17.6](#) [How do I install an addition?](#)
 - location of, [P] [sysdir](#), [R] [which](#)
 - long lines, [P] [#delimit](#), [U] [18.11.2](#) [Comments and long lines in ado-files](#)
 - Mata use with, [M-1] [Ado](#)
 - official, [R] [update](#), [U] [29.3](#) [Official updates](#)
 - path for, see [ado-path](#)
 - searching for, [R] [search](#), [R] [ssc](#)
 - updating community-contributed, [R] [ado update](#), [U] [29.4](#) [Downloading and managing additions by users](#)
 - version control with, [P] [version](#)
 - viewing source of, [P] [viewsource](#)
- adopath
 - + command, [P] [sysdir](#)
 - ++ command, [P] [sysdir](#)
 - command, [P] [sysdir](#)
 - command, [P] [sysdir](#)
- ado-path, [M-5] [adosubdir\(\)](#), [P] [sysdir](#), [U] [17.5](#) [Where does Stata look for ado-files?](#)
- [adosize](#), [set](#) subcommand, [P] [sysdir](#), [R] [set](#), [U] [18.11](#) [Ado-files](#)
- [adosubdir](#) macro function, [P] [macro](#)
- [adosubdir\(\)](#) function, [M-5] [adosubdir\(\)](#)
- [A.exists\(\)](#) function, [M-5] [AssociativeArray\(\)](#)
- [A.firstloc\(\)](#) function, [M-5] [AssociativeArray\(\)](#)
- [A.firstval\(\)](#) function, [M-5] [AssociativeArray\(\)](#)
- AFT, see [accelerated failure-time model](#)
- [age\(\)](#) function, [D] [Datetime durations](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- [age_frac\(\)](#) function, [D] [Datetime durations](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- [A.get\(\)](#) function, [M-5] [AssociativeArray\(\)](#)
- agglomerative hierarchical clustering methods, [MV] [cluster](#), [MV] [clustermat](#), [MV] [cluster linkage](#), [MV] [Glossary](#)
- aggregate
 - functions, [D] [egen](#)
 - statistics, dataset of, [D] [collapse](#)
- agreement, interrater, [R] [kappa](#)
- AIC, see [Akaike information criterion](#)
- AIPW, see [augmented inverse-probability weighting](#)
- [aipw](#), [teffects](#) subcommand, [TE] [teffects aipw](#)

- Akaike information criterion, [BAYES] **bayesstats ic**, [BAYES] **Glossary**, [R] **BIC note**, [R] **estat**, [R] **estat ic**, [R] **estimates stats**, [R] **glm**, [R] **lrtest**, [SEM] **estat gof**, [SEM] **estat lcgof**, [SEM] **Example 4**, [SEM] **Example 51g**, [SEM] **Methods and formulas for sem**, [ST] **streg**
- A.key() function, [M-5] **AssociativeArray()**
- A.keys() function, [M-5] **AssociativeArray()**
- algebraic expressions, functions, and operators, [P] **matrix define**, [U] **13 Functions and expressions**
- alignment of text, [G-3] **textbox_options**
- alignmentstyle*, [G-4] **alignmentstyle**, [G-4] **Glossary**
- _all**, [U] **11.1.1 varlist**
- all**,
 clear subcommand, [D] **clear**
 update subcommand, [R] **update**
- all()** function, [M-5] **all()**
- all** macro function, [P] **macro**
- allocation ratio, [PSS-2] **power twomeans**, [PSS-2] **power twoproportions**, [PSS-2] **power twovariances**, [PSS-2] **power twocorrelations**, [PSS-2] **power cmh**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth twomeans**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**
- allobf()** function, [M-5] **all()**
- alpha**, [LASSO] **Glossary**, [PSS-5] **Glossary**, also see **significance level**
- alpha** coefficient, Cronbach's, [MV] **alpha**
- alpha** command, [MV] **alpha**
- alphabetizing
 observations, [D] **gsort**, [D] **sort**
 returned elements, [P] **macro lists**
 Unicode strings, [FN] **String functions**, [M-5] **ustrcompare()**
 variable names, [D] **ds**, [D] **order**
 variables, [D] **sort**
- alphanumeric variables, see **string variables**, **parsing**
- alternating algorithm, see **Lindström–Bates algorithm**
- alternative
 correlation, [PSS-2] **power**, [PSS-2] **power onecorrelation**
 Epanechnikov kernel function, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lpoly**, [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**, [R] **qreg**, [TE] **tebalance density**, [TE] **teoverlap**
 hypothesis, [PSS-5] **Glossary**, also see **null hypothesis and alternative hypothesis**
 mean, [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-4] **Unbalanced designs**
 mean difference, [PSS-2] **power**, [PSS-2] **power pairedmeans**
 parameter, [PSS-5] **Glossary**, also see **alternative value**
 partial correlation, [PSS-2] **power**, [PSS-2] **power pcorr**
 proportion, [PSS-2] **power**, [PSS-2] **power oneproportion**
 R^2 , [PSS-2] **power**, [PSS-2] **power rsquared**
 scenarios, [TS] **forecast**, [TS] **forecast adjust**, [TS] **forecast clear**, [TS] **forecast coefvector**, [TS] **forecast create**, [TS] **forecast describe**, [TS] **forecast drop**, [TS] **forecast estimates**, [TS] **forecast exogenous**, [TS] **forecast identity**, [TS] **forecast list**, [TS] **forecast query**, [TS] **forecast solve**
 slope, [PSS-2] **power**, [PSS-2] **power oneslope**
 standard deviation, [PSS-2] **power**, [PSS-2] **power onevariance**
 value, [PSS-5] **Glossary**, also see **postulated value**
 variance, [PSS-2] **power**, [PSS-2] **power onevariance**
- alternatives, [CM] **Glossary**
 variable, [CM] **Glossary**
 identifying, [CM] **cmset**
- alternatives, **estat** subcommand, [CM] **nlogit postestimation**
- alternative-specific variable, [CM] **Glossary**
- ameans** command, [R] **ameans**
- American Standard Code for Information Interchange, see **text**, **ASCII**
- A.N()** function, [M-5] **AssociativeArray()**
- analysis of covariance, [R] **anova**, [U] **27.3.1 ANOVA and ANCOVA**
- analysis of variance, [PSS-2] **power**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-5] **Glossary**, [R] **anova**, [R] **contrast**, [R] **icc**, [R] **loneway**, [R] **oneway**, [U] **27.3.1 ANOVA and ANCOVA**
 Kruskal–Wallis, [R] **kwallis**
 plots, [R] **marginsplot**
 repeated measures, [PSS-2] **power repeated**, [R] **anova**, [U] **27.3.1 ANOVA and ANCOVA**
- analysis step, [MI] **Intro substantive**, [MI] **mi estimate**, also see **estimation**
- analysis time, [ST] **Glossary**, [TE] **Glossary**
- analysis-of-variance test of normality, [R] **swilk**
- analytic weight, [U] **11.1.6 weight**, [U] **20.24.2 Analytic weights**
- anchor variable, see **anchoring**
- anchoring, [SEM] **Glossary**, also see **model identification**
- ANCOVA, see **analysis of covariance**
 and operator, see **logical operators**
- Anderberg coefficient similarity measure, [MV] **measure_option**
- A.nextloc()** function, [M-5] **AssociativeArray()**
- A.nextval()** function, [M-5] **AssociativeArray()**
- angle of text, [G-4] **anglstyle**
 anglstyle, [G-4] **anglstyle**, [G-4] **Glossary**
- angular similarity measure, [MV] **measure_option**
- A.notfound()** function, [M-5] **AssociativeArray()**
- ANOVA, see **analysis of variance**
- anova** command, [R] **anova**, [R] **anova postestimation**

- ANOVA DDF, see *denominator degrees of freedom*, **ANOVA**
- anova**, **estat** subcommand, [MV] **discrim lda postestimation**
- Anscombe residual, [ME] **me**, [ME] **mecloglog postestimation**, [ME] **meglm postestimation**, [ME] **melogit postestimation**, [ME] **menbreg postestimation**, [ME] **mepoisson postestimation**, [ME] **meprobit postestimation**, [R] **binreg postestimation**, [R] **glm postestimation**
- anti**, **estat** subcommand, [MV] **factor postestimation**, [MV] **pca postestimation**
- anti-image**
- correlation matrix, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **Glossary**
 - covariance matrix, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **Glossary**
- any()** function, [M-5] **all()**
- anycount()**, **egen** function, [D] **egen**
- anymatch()**, **egen** function, [D] **egen**
- anyof()** function, [M-5] **all()**
- anyvalue()**, **egen** function, [D] **egen**
- A-PARCH, see *asymmetric power autoregressive conditional heteroskedasticity*
- append**,
- mi** subcommand, [MI] **mi append**
 - putdocx** subcommand, [RPT] **putdocx begin**
- append command**, [D] **append**, [U] **23 Combining datasets**
- append data**, [D] **append**, [MI] **mi append**, [U] **23 Combining datasets**
- append rows and columns to matrix**, [P] **matrix define**
- _append variable**, [D] **append**
- approximating Euclidean distances**, [MV] **mds postestimation**
- approximation denominator degrees of freedom**, see *denominator degrees of freedom*, **Kenward–Roger**, see *denominator degrees of freedom*, **Satterthwaite**
- A.put()** function, [M-5] **AssociativeArray()**
- AR**, see *autoregressive*
- arbitrary pattern of missing values**, [MI] **mi impute chained**, [MI] **mi impute mvn**, [MI] **Glossary**, also see *pattern of missingness*
- arccosine**, **arcsine**, and **arctangent functions**, [FN] **Trigonometric functions**, [M-5] **sin()**
- ARCH**, see *autoregressive conditional heteroskedasticity*
- arch command**, [TS] **arch**, [TS] **arch postestimation**
- Archival Federal Reserve Economic Data**, importing from, [D] **import fred**
- Archival FRED**, see *Archival Federal Reserve Economic Data*, importing from
- archlm**, **estat** subcommand, [R] **regress postestimation time series**
- area data**, [SP] **Intro 3**, [SP] **Intro 4**, [SP] **Intro 5**, [SP] **Intro 6**
- cross-sectional, [SP] **spset**
 - panel, [SP] **spset**
 - with shapefiles, rules for working with, [SP] **Intro 4**
- area**, **graph twoway** subcommand, [G-2] **graph twoway area**
- area under the curve**, [R] **lroc**, also see *pharmacokinetic data*, also see *receiver operating characteristic analysis*
- areal data**, [SP] **Intro**, [SP] **Glossary**, also see *area data*
- areas**, [G-4] **colorstyle**, [SP] **Intro 1**, [SP] **Intro 2**, [SP] **Glossary**, also see *fill*, *areas*, *dimming* and *brightening*, also see *fill*, *color*, *setting*
- areastyle**, [G-4] **areastyle**, [G-4] **Glossary**
- areg command**, [R] **areg**, [R] **areg postestimation**
- A.reinit()** function, [M-5] **AssociativeArray()**
- Arellano–Bond estimator**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **Glossary**
- Arellano–Bover estimator**, [XT] **xtdpd**, [XT] **xtdpdsys**
- A.remove()** function, [M-5] **AssociativeArray()**
- ARFIMA**, see *autoregressive fractionally integrated moving-average model*
- arfima command**, [TS] **arfima**, [TS] **arfima postestimation**
- arg()** function, [M-5] **sin()**
- args command**, [P] **syntax**
- args()** function, [M-5] **args()**
- arguments**, [M-6] **Glossary**
- program, [M-2] **Declarations**
 - values returned in, [M-1] **Returned args**
 - varying number, [M-2] **optargs**, [M-5] **args()**
- ARIMA**, see *autoregressive integrated moving-average model*
- arima command**, [TS] **arima**, [TS] **arima postestimation**
- arithmetic operators**, [M-2] **op_arith**, [M-2] **op_colon**, [P] **matrix define**, [U] **13.2.1 Arithmetic operators**
- ARMA**, see *autoregressive moving average*
- ARMAX**, see *autoregressive moving average with exogenous inputs*
- aroots**, **estat** subcommand, [TS] **estat aroots**
- array**, [M-6] **Glossary**
- arrays**, class, [P] **class**
- .Arrdropall** built-in class modifier, [P] **class**
 - .Arrdropel** built-in class modifier, [P] **class**
 - .arrindexof** built-in class function, [P] **class**
 - .arrnells** built-in class function, [P] **class**
 - arrows**, [G-2] **graph twoway pccarrow**
 - .Arrpop** built-in class modifier, [P] **class**
 - .Arrpush** built-in class modifier, [P] **class**
- as error**, **display** directive, [P] **display**
- as input**, **display** directive, [P] **display**
- as result**, **display** directive, [P] **display**
- as text**, **display** directive, [P] **display**
- as txt**, **display** directive, [P] **display**
- asarray()** function, [M-5] **asarray()**
- asarray_contains()** function, [M-5] **asarray()**
- asarray_contents()** function, [M-5] **asarray()**
- asarray_create()** function, [M-5] **asarray()**
- asarray_elements()** function, [M-5] **asarray()**
- asarray_first()** function, [M-5] **asarray()**

- asarray_key()** function, [M-5] **asarray()**
asarray_keys() function, [M-5] **asarray()**
asarray_next() function, [M-5] **asarray()**
asarray_notfound() function, [M-5] **asarray()**
asarray_remove() function, [M-5] **asarray()**
ascategory() option, [G-2] **graph bar**, [G-2] **graph box**, [G-2] **graph dot**
 ASCII, see **text**, **ASCII**
ascii() function, [M-5] **ascii()**
 ASF, see **average structural function**
asin() function, [FN] **Trigonometric functions**, [M-5] **sin()**
asinh() function, [FN] **Trigonometric functions**, [M-5] **sin()**
_asis, **display** directive, [P] **display**
asis print color mapping, [G-2] **set printcolor**
 ASM, see **average structural mean**
 ASP, see **average structural probability**
aspect ratio, [G-3] **aspect_option**, [G-4] **Glossary**
 changing, [G-2] **graph display**
 controlling, [G-2] **graph combine**
assert command, [D] **assert**
assert() function, [M-5] **assert()**
asserteq() function, [M-5] **assert()**
assertnested command, [D] **assertnested**
assignment, class, [P] **class**
assignment operator, [M-2] **op_assignment**, [U] **11.1.5 =exp**
association test, [R] **correlate**, [R] **Epitab**, [R] **spearman**, [R] **tabulate twoway**, [R] **tetrachoric**, [SVY] **svy: tabulate twoway**
association, measures of, [R] **tabulate twoway**
associative arrays, [M-5] **asarray()**, [M-5] **AssociativeArray()**
AssociativeArray() function, [M-5] **AssociativeArray()**
asymmetric power autoregressive conditional heteroskedasticity, [TS] **arch**
asymmetry, see **skewness**
asymptotic distribution free, [SEM] **Intro 4**, [SEM] **Methods and formulas for sem**, [SEM] **Glossary**
asyvars option, [G-2] **graph bar**, [G-2] **graph box**, [G-2] **graph dot**
at risk, [ST] **stset**, [ST] **Glossary**
 table, [ST] **sts graph**
atan() function, [FN] **Trigonometric functions**, [M-5] **sin()**
atan2() function, [FN] **Trigonometric functions**, [M-5] **sin()**
atanh() function, [FN] **Trigonometric functions**, [M-5] **sin()**
 ATE, see **average treatment effect**
 ATET, see **average treatment effect on treated**
attributable fraction, [R] **Epitab**, [ST] **Glossary**
attributable proportion, [R] **Epitab**
attributes, [SP] **Glossary**
 AUC, see **area under the curve**
augmented
 component-plus-residual plot, [R] **regress postestimation diagnostic plots**
 inverse-probability weighting, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **telasso**, [TE] **Glossary**
 partial residual plot, [R] **regress postestimation diagnostic plots**
 regression, [MI] **Glossary**, also see **imputation**, **perfect prediction**
 Author Support Program, [U] **3.7.2 For authors**
auto.dta, [U] **1.2.2 Example datasets**
autocode() function, [FN] **Programming functions**, [U] **26.1.2 Converting continuous variables to categorical variables**
autocorrelation, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **bayesgraph**, [BAYES] **bayesstats ess**, [BAYES] **bayes: var**, [TS] **arch**, [TS] **arfima**, [TS] **arima**, [TS] **corrgram**, [TS] **dfactor**, [TS] **newey**, [TS] **prais**, [TS] **psdensity**, [TS] **sspace**, [TS] **ucm**, [TS] **var**, [TS] **varlmar**, also see **HAC variance estimate**
dynamic model, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
function, [TS] **estat acplot**, [TS] **Glossary**
residual, [XT] **xtgee**, [XT] **xtgls**, [XT] **xtpcse**, [XT] **xtregar**
test, [R] **regress postestimation time series**, [XT] **xtabond**, [XT] **xtabond postestimation**, [XT] **xtdpd postestimation**, [XT] **xtdpdsys**, [XT] **xtdpdsys postestimation**
autocovariance, [TS] **arfima**, [TS] **arima**, [TS] **corrgram**, [TS] **estat acplot**, [TS] **psdensity**
automatic print color mapping, [G-2] **set printcolor**
Automation, [P] **Automation**, [P] **Glossary**
autoregressive, [TS] **arch**, [TS] **arfima**, [TS] **arima**, [TS] **dfactor**, [TS] **sspace**, [TS] **ucm**
 conditional heteroskedasticity
 effects, [TS] **arch**
 effects, testing for, [R] **regress postestimation time series**
 model, [TS] **arch**, [TS] **arch postestimation**, [TS] **Glossary**, also see **multivariate GARCH model**
 test, [R] **regress postestimation time series**
error, [SP] **Intro 1**, [SP] **Glossary**
fractionally integrated moving-average model, [TS] **arfima**, [TS] **arfima postestimation**, [TS] **estat acplot**, [TS] **psdensity**, [TS] **Glossary**
integrated moving-average model, [TS] **arima**, [TS] **arima postestimation**, [TS] **estat acplot**, [TS] **estat aroots**, [TS] **psdensity**, [TS] **Glossary**
model, [SP] **Intro 1**, [SP] **Glossary**, [TS] **dfactor**, [TS] **estat acplot**, [TS] **mswitch**, [TS] **psdensity**, [TS] **sspace**, [TS] **threshold**, [TS] **ucm**
moving average, [TS] **arch**, [TS] **arfima**, [TS] **arima**, [TS] **sspace**, [TS] **ucm**, [TS] **Glossary**

autoregressive, *continued*

moving average with exogenous inputs, [TS] [arima](#), [TS] [dfactor](#), [TS] [sspace](#), [TS] [ucm](#), [TS] [Glossary](#)

process, [DSGE] [Glossary](#), [TS] [Glossary](#), [XT] [xtabond](#), [XT] [xtdpd](#), [XT] [xtdpdsys](#), [XT] [Glossary](#)

autotabgraphs, [set](#) subcommand, [R] [set](#)

available area, [G-3] [region_options](#), [G-4] [areastyle](#), [G-4] [Glossary](#)

available-case analysis, [MI] [Intro substantive](#)

[A.val\(\)](#) function, [M-5] [AssociativeArray\(\)](#)

average, see [means](#)

marginal effects, [CM] [margins](#), [R] [margins](#), [R] [marginsplot](#)

partial effects (APEs), [CM] [margins](#), [R] [margins](#), [R] [marginsplot](#)

predictions, [CM] [margins](#), [R] [margins](#), [R] [marginsplot](#)

RVI, [MI] [mi estimate](#), [MI] [Glossary](#)

structural function, [ERM] [Glossary](#)

structural mean, [ERM] [Glossary](#)

structural probability, [ERM] [Glossary](#)

treatment effect, [ERM] [Intro 5](#), [ERM] [Intro 9](#), [ERM] [eintreg](#), [ERM] [eoprobit](#), [ERM] [eprobit](#), [ERM] [eregress](#), [ERM] [estat teffects](#), [ERM] [Example 3b](#), [ERM] [Example 5](#), [ERM] [Example 6b](#), [ERM] [Example 9](#), [ERM] [Glossary](#), [TE] [eteffects](#), [TE] [teffects](#)

[intro](#), [TE] [teffects intro advanced](#), [TE] [teffects](#)

[aipw](#), [TE] [teffects ipw](#), [TE] [teffects ipwra](#), [TE] [teffects multivalued](#), [TE] [teffects](#)

[nnmatch](#), [TE] [teffects psmatch](#), [TE] [teffects](#)

[ra](#), [TE] [telasso](#), [TE] [Glossary](#)

comparing, [TE] [teffects intro advanced](#)

survival time, [TE] [stteffects intro](#),

[TE] [stteffects ipw](#), [TE] [stteffects ipwra](#),

[TE] [stteffects ra](#), [TE] [stteffects wra](#)

treatment effect on treated, [ERM] [Intro 5](#), [ERM] [Intro 9](#), [ERM] [eintreg](#), [ERM] [eoprobit](#), [ERM] [eprobit](#), [ERM] [eregress](#), [ERM] [estat teffects](#), [ERM] [Example 2b](#), [ERM] [Example 2c](#), [ERM] [Example 3b](#), [ERM] [Example 4b](#), [ERM] [Example 5](#), [ERM] [Glossary](#), [TE] [DID intro](#), [TE] [didregress](#), [TE] [teffects intro](#), [TE] [teffects intro advanced](#), [TE] [teffects ipw](#), [TE] [teffects ipwra](#), [TE] [teffects multivalued](#), [TE] [teffects nnmatch](#), [TE] [teffects psmatch](#), [TE] [teffects ra](#), [TE] [Glossary](#)

comparing, [TE] [teffects intro advanced](#)

survival time, [TE] [stteffects intro](#),

[TE] [stteffects ipw](#), [TE] [stteffects ipwra](#),

[TE] [stteffects ra](#), [TE] [stteffects wra](#)

treatment effect on untreated, [ERM] [Glossary](#)

averagelinkage, [clustermat](#) subcommand, [MV] [cluster linkage](#)

[cluster](#) subcommand, [MV] [cluster linkage](#)

average-linkage clustering, [MV] [cluster](#), [MV] [clustermat](#), [MV] [cluster linkage](#), [MV] [Glossary](#)

avplot and avplots commands, [R] [regress postestimation diagnostic plots](#)

[[aweight=exp](#)] modifier, [U] [11.1.6 weight](#), [U] [20.24.2 Analytic weights](#)

axis

labeling, [G-3] [axis_label_options](#), [G-3] [axis_options](#)

line, look of, [G-3] [axis_scale_options](#), [G-3] [cat_axis_label_options](#), [G-3] [cat_axis_line_options](#)

log, [G-3] [axis_scale_options](#)

multiple scales, [G-3] [axis_choice_options](#)

overall look, [G-4] [axisstyle](#)

range, [G-3] [axis_scale_options](#)

reversed, [G-3] [axis_scale_options](#)

scale, [G-3] [axis_options](#),

[G-3] [axis_scale_options](#)

selection of, [G-3] [axis_choice_options](#)

setting offset between plot region and,

[G-3] [region_options](#)

suppressing, [G-3] [axis_scale_options](#),

[G-3] [axis_scale_options](#)

ticking, [G-3] [axis_label_options](#)

titling, [G-3] [axis_options](#),

[G-3] [axis_title_options](#)

suppressing, [G-3] [axis_title_options](#)

[axisstyle](#), [G-4] [axisstyle](#), [G-4] [Glossary](#)

B

[_b\[\]](#), [U] [13.5 Accessing coefficients and standard errors](#)

[b1title\(\)](#) option, [G-3] [title_options](#)

[b2title\(\)](#) option, [G-3] [title_options](#)

backed up message, [R] [Maximize](#)

background color, [G-4] [Schemes intro](#)

setting, [G-3] [region_options](#)

balanced, [CM] [Glossary](#), [SP] [spbalance](#)

data, [SP] [Glossary](#), [XT] [Glossary](#)

design, [PSS-2] [power twomeans](#), [PSS-2] [power twoproportions](#), [PSS-2] [power twovariances](#), [PSS-2] [power twocorrelations](#), [PSS-2] [power oneway](#), [PSS-2] [power twoway](#), [PSS-2] [power repeated](#), [PSS-2] [power cmh](#), [PSS-2] [power trend](#), [PSS-2] [power exponential](#), [PSS-2] [power logrank](#), [PSS-3] [ciwidth](#), [PSS-3] [ciwidth twomeans](#), [PSS-4] [Unbalanced designs](#), [PSS-5] [Glossary](#)

repeated replication, [SVY] [brr_options](#), [SVY] [svy brr](#), [SVY] [Variance estimation](#), [SVY] [Glossary](#)

repeated replication standard errors, [SVY] [svy brr](#), [SVY] [Variance estimation](#)

standardized differences, [TE] [tebalance summarize](#)

variance ratios, [TE] [tebalance summarize](#)

- band-pass filters, [TS] **tsfilter bk**, [TS] **tsfilter cf**, [TS] **Glossary**
- bar,
- graph subcommand, [G-2] **graph bar**
 - graph twoway subcommand, [G-2] **graph twoway bar**
- bar chart, [G-2] **graph bar**
- barbsize option, [G-2] **graph twoway pcarrow**
- barlook options, [G-3] **barlook_options**
- bars
- labeling, [G-3] **labeled_option**
 - look of, [G-3] **barlook_options**
- Bartlett scoring, [MV] **factor postestimation**
- Bartlett's
- bands, [TS] **corrgram**
 - periodogram test, [TS] **wntestb**
 - test for equal variances, [R] **oneway**
- base
- conversion, [M-5] **inbase()**
 - level, [U] **11.4.3 Factor variables**
 - plottypes, [G-3] **advanced_options**
- base, fvset subcommand, [R] **fvset**
- BASE directory, [P] **sysdir**, [U] **17.5 Where does Stata look for ado-files?**
- Base64 format, [M-5] **base64encode()**
- base64decode()** function, [M-5] **base64encode()**
- base64decodefile()** function, [M-5] **base64encode()**
- base64encode()** function, [M-5] **base64encode()**
- base64encodefile()** function, [M-5] **base64encode()**
- baseline, [ST] **Glossary**
- comparisons, [SEM] **estat gof**, [SEM] **Example 4**
 - cumulative function, [ST] **stcox postestimation**
 - cumulative hazard function, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcrreg**, [ST] **stcurve**, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **sts**
 - cumulative incidence function, [ST] **stcrreg**, [ST] **stcrreg postestimation**, [ST] **stcurve**
 - cumulative subhazard function, [ST] **stcrreg**, [ST] **stcrreg postestimation**, [ST] **stcurve**
- dataset, [ST] **stbase**
- hazard function, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stcrreg**, [ST] **stcurve**, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **stintreg**, [ST] **streg**, [ST] **sts**
- hazard, cumulative hazard, and survivor functions, [ST] **stintcox postestimation**
- model, [SEM] **estat gof**, [SEM] **Example 4**, [SEM] **Methods and formulas for sem**, [SEM] **Glossary**
- survivor function, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stcrreg**, [ST] **stcurve**, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **stintreg**, [ST] **streg**, [ST] **sts**
- baseline of text, [G-4] **alignmentstyle**, [G-4] **Glossary**
- baseline suboption, [G-4] **alignmentstyle**
- basis
- B-spline, [R] **npregress series**
 - function, [R] **npregress intro**, [R] **npregress series**
 - polynomial, [R] **npregress intro**, [R] **npregress series**
 - spline, [R] **npregress intro**, [R] **npregress series**
- basis, orthonormal, [P] **matrix svd**
- batch means, [BAYES] **bayesmh**, [BAYES] **bayesstats summary**, [BAYES] **Glossary**
- Battese–Coelli parameterization, [XT] **xtfrontier**
- Baxter–King filter, [TS] **tsfilter**, [TS] **tsfilter bk**
- Bayes factor, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **Glossary**
- bayes prefix command, [BAYES] **bayes**
- Bayes's theorem, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **Glossary**, [MV] **Glossary**
- bayes: betareg command, [BAYES] **bayes: betareg**
- bayes: binreg command, [BAYES] **bayes: binreg**
- bayes: biprobit command, [BAYES] **bayes: biprobit**
- bayes: clogit command, [BAYES] **bayes: clogit**
- bayes: cloglog command, [BAYES] **bayes: cloglog**
- bayes: dsge command, [BAYES] **bayes: dsge**, [DSGE] **Intro 9**, [DSGE] **Intro 9a**
- bayes: dsge1 command, [BAYES] **bayes: dsge1**, [DSGE] **Intro 9**, [DSGE] **Intro 9b**
- bayes: fracreg command, [BAYES] **bayes: fracreg**
- bayes: glm command, [BAYES] **bayes: glm**
- bayes: gnbreg command, [BAYES] **bayes: gnbreg**
- bayes: heckman command, [BAYES] **bayes: heckman**
- bayes: heckprobit command, [BAYES] **bayes: heckprobit**
- bayes: heckprobit command, [BAYES] **bayes: heckprobit**
- bayes: hetoprobit command, [BAYES] **bayes: hetoprobit**
- bayes: hetprobit command, [BAYES] **bayes: hetprobit**
- bayes: hetregress command, [BAYES] **bayes: hetregress**
- bayes: intreg command, [BAYES] **bayes: intreg**
- bayes: logistic command, [BAYES] **bayes: logistic**
- bayes: logit command, [BAYES] **bayes: logit**
- bayes: meclglog command, [BAYES] **bayes: meclglog**
- bayes: meglm command, [BAYES] **bayes: meglm**
- bayes: meintreg command, [BAYES] **bayes: meintreg**
- bayes: melogit command, [BAYES] **bayes: melogit**
- bayes: menbreg command, [BAYES] **bayes: menbreg**
- bayes: meologit command, [BAYES] **bayes: meologit**
- bayes: meoprobit command, [BAYES] **bayes: meoprobit**
- bayes: mepoisson command, [BAYES] **bayes: mepoisson**
- bayes: neprobit command, [BAYES] **bayes: neprobit**

bayes: mestreg command, [BAYES] **bayes: mestreg**
 bayes: metobit command, [BAYES] **bayes: metobit**
 bayes: mixed command, [BAYES] **bayes: mixed**
 bayes: mlogit command, [BAYES] **bayes: mlogit**
 bayes: mprobit command, [BAYES] **bayes: mprobit**
 bayes: mvreg command, [BAYES] **bayes: mvreg**
 bayes: nbreg command, [BAYES] **bayes: nbreg**
 bayes: ologit command, [BAYES] **bayes: ologit**
 bayes: oprobit command, [BAYES] **bayes: oprobit**
 bayes: poisson command, [BAYES] **bayes: poisson**
 bayes: probit command, [BAYES] **bayes: probit**
 bayes: regress command, [BAYES] **bayes: regress**
 bayes: streg command, [BAYES] **bayes: streg**
 bayes: tnbreg command, [BAYES] **bayes: tnbreg**
 bayes: tobit command, [BAYES] **bayes: tobit**
 bayes: tpoisson command, [BAYES] **bayes: tpoisson**
 bayes: truncreg command,
 [BAYES] **bayes: truncreg**
 bayes: var command, [BAYES] **bayes: var**
 bayes: xtlogit command, [BAYES] **bayes: xtlogit**
 bayes: xtmlogit command,
 [BAYES] **bayes: xtmlogit**
 bayes: xtnbreg command, [BAYES] **bayes: xtnbreg**
 bayes: xtologit command, [BAYES] **bayes: xtologit**
 bayes: xtoprobit command,
 [BAYES] **bayes: xtoprobit**
 bayes: xtpoisson command,
 [BAYES] **bayes: xtpoisson**
 bayes: xtprobit command, [BAYES] **bayes: xtprobit**
 bayes: xtreg command, [BAYES] **bayes: xtreg**
 bayes: zinb command, [BAYES] **bayes: zinb**
 bayes: ziologit command, [BAYES] **bayes: ziologit**
 bayes: zioprobit command,
 [BAYES] **bayes: zioprobit**
 bayes: zip command, [BAYES] **bayes: zip**
 bayesfcst compute command, [BAYES] **bayesfcst compute**
 bayesfcst graph command, [BAYES] **bayesfcst graph**
 bayesgraph
 command, [BAYES] **bayesgraph**
 matrix command, [BAYES] **bayesgraph**
 Bayesian
 analysis, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayesstats**, [BAYES] **bayesstats ess**, [BAYES] **bayesstats grubin**, [BAYES] **bayesstats ic**, [BAYES] **bayesstats summary**, [BAYES] **bayestest**, [BAYES] **bayestest interval**, [BAYES] **bayestest model**, [BAYES] **bayes: dsge postestimation**, [BAYES] **bayes: var postestimation**, [BAYES] **bayesvarstable**, [BAYES] **bayesfcst compute**, [BAYES] **bayesfcst graph**, [BAYES] **bayesirf**, [BAYES] **bayesirf create**, [BAYES] **Glossary**, [U] 27.33 **Bayesian analysis**

Bayesian, *continued*

concepts, [BAYES] **Intro**, [BAYES] **bayesmh**, [MI] **Intro substantive**
 DSGE models, [DSGE] **Intro 9**, [DSGE] **Intro 9a**, [DSGE] **Intro 9b**
 estimation, [BAYES] **Bayesian commands**, [BAYES] **Bayesian estimation**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesmh evaluators**, [BAYES] **bayesstats ic**, [BAYES] **Glossary**, [U] 27.15.7 **Bayesian estimation**
 initial values, feasible, [BAYES] **bayesmh**, [BAYES] **bayesmh evaluators**, [BAYES] **Glossary**
 initial values, overdispersed, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats grubin**, [BAYES] **Glossary**
 multiple chains, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats grubin**
 user-defined evaluators, [BAYES] **bayesmh evaluators**
 forecast vector autoregressive model,
 [BAYES] **bayes: var postestimation**
 graphical summaries, [BAYES] **Bayesian commands**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayes: dsge postestimation**, [BAYES] **bayes: var postestimation**
 hypothesis testing, [BAYES] **Bayesian commands**, [BAYES] **Bayesian postestimation**, [BAYES] **bayestest**, [BAYES] **Glossary**
 interval, [BAYES] **Bayesian postestimation**, [BAYES] **bayestest interval**
 model, [BAYES] **Bayesian postestimation**, [BAYES] **bayestest model**
 information criterion, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **Glossary**, [R] **BIC note**, [R] **estat**, [R] **estat ic**, [R] **estimates stats**, [R] **glm**, [R] **lrtest**, [SEM] **estat gof**, [SEM] **estat lcgof**, [SEM] **Example 4**, [SEM] **Example 51g**, [SEM] **Methods and formulas for sem**
 IRF
 DSGE model, [BAYES] **bayes: dsge postestimation**
 vector autoregressive model, [BAYES] **bayes: var postestimation**
 model checking, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayespredict**, [BAYES] **Glossary**
 model comparison, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesstats**, [BAYES] **bayesstats ic**, [BAYES] **bayestest**, [BAYES] **bayestest model**, [BAYES] **Glossary**
 model parameters, [BAYES] **Bayesian commands**, [BAYES] **bayesmh evaluators**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesstats**, [BAYES] **Glossary**

Bayesian, *continued*

- multivariate time series
 - var, [BAYES] **bayes: var**
- postestimation, [BAYES] **Bayesian commands**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayesstats**, [BAYES] **bayesstats ess**, [BAYES] **bayesstats grubin**, [BAYES] **bayesstats ic**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayesstats summary**, [BAYES] **bayestest**, [BAYES] **bayestest interval**, [BAYES] **bayestest model**, [BAYES] **bayespredict**, [BAYES] **bayes: dsge postestimation**, [BAYES] **bayes: var postestimation**, [BAYES] **bayesvarstable**, [BAYES] **bayesfcst compute**, [BAYES] **bayesfcst graph**, [BAYES] **bayesirf**, [BAYES] **bayesirf create**
- predictions, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayesstats ess**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayesstats summary**, [BAYES] **bayestest interval**, [BAYES] **bayespredict**, [BAYES] **bayesfcst compute**, [BAYES] **bayesirf create**, [BAYES] **Glossary**
- prefix command, [BAYES] **bayes**
- random-effects
 - linear, [BAYES] **bayes: xtreg**
 - logistic and logit, [BAYES] **bayes: xtlogit**
 - multinomial logistic and logit, [BAYES] **bayes: xtmlogit**
 - negative binomial, [BAYES] **bayes: xtnbreg**
 - ordered logistic and logit, [BAYES] **bayes: xtlogit**
 - ordered probit, [BAYES] **bayes: xtprobit**
 - Poisson, [BAYES] **bayes: xtpoisson**
 - probit, [BAYES] **bayes: xtprobit**
- regression, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesmh evaluators**, [BAYES] **bayes: betareg**, [BAYES] **bayes: binreg**, [BAYES] **bayes: biprobit**, [BAYES] **bayes: cloglog**, [BAYES] **bayes: fracreg**, [BAYES] **bayes: glm**, [BAYES] **bayes: gnbreg**, [BAYES] **bayes: heckman**, [BAYES] **bayes: hetregress**, [BAYES] **bayes: hetprobit**, [BAYES] **bayes: hetprob**, [BAYES] **bayes: intreg**, [BAYES] **bayes: regress**

Bayesian, *continued*

- logistic and logit, [BAYES] **bayes: logistic**, [BAYES] **bayes: logit**
- multivariate, [BAYES] **bayes: mvreg**
- negative binomial, [BAYES] **bayes: nbreg**
- ordered logistic and logit, [BAYES] **bayes: ologit**
- ordered probit, [BAYES] **bayes: oprobit**
- parametric survival, [BAYES] **bayes: streg**
- Poisson, [BAYES] **bayes: poisson**
- probit, [BAYES] **bayes: probit**
- tobit, [BAYES] **bayes: tobit**
- truncated, [BAYES] **bayes: truncreg**
- zero-inflated ordered logistic, [BAYES] **bayes: ziologit**
- zero-inflated ordered probit, [BAYES] **bayes: zioprobit**
- replicated data, [BAYES] **Intro**
- sensitivity analysis, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**
- summary statistics, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesstats**, [BAYES] **bayesstats summary**, [BAYES] **bayes: dsge postestimation**, [BAYES] **bayes: var postestimation**
- time series
 - bayesvarstable**, [BAYES] **bayesvarstable dsge**, [BAYES] **bayes: dsge**, [BAYES] **bayes: dsge nl**
- bayesirf**, [BAYES] **bayesirf**, [DSGE] **Intro 9a**
 - add command**, [BAYES] **bayesirf cgraph command**, [BAYES] **bayesirf cgraph create command**, [BAYES] **bayesirf ctable command**, [BAYES] **bayesirf ctable describe command**, [BAYES] **bayesirf drop command**, [BAYES] **bayesirf graph command**, [BAYES] **bayesirf graph ograph command**, [BAYES] **bayesirf ograph rename command**, [BAYES] **bayesirf set command**, [BAYES] **bayesirf table command**, [BAYES] **bayesirf table bayesirf command**, [DSGE] **Intro 9b**
- bayesmh command**, [BAYES] **bayesmh bayespredict command**, [BAYES] **bayespredict bayesreps command**, [BAYES] **bayespredict bayesstats**
 - command**, [BAYES] **bayesstats ess command**, [BAYES] **bayesstats ess grubin command**, [BAYES] **bayesstats grubin ic command**, [BAYES] **bayesstats ic ppvalues command**, [BAYES] **bayesstats ppvalues summary command**, [BAYES] **bayesstats summary bayestest**
 - interval command**, [BAYES] **bayestest interval model command**, [BAYES] **bayestest model bayes: var command**, [BAYES] **bayes: var postestimation bayesvarstable command**, [BAYES] **bayesvarstable**

- bcal
 - check command, [D] **bcal**
 - create command, [D] **bcal**
 - describe command, [D] **bcal**
 - dir command, [D] **bcal**
 - load command, [D] **bcal**
- BCC, see **boundary characteristic curve**
- bcskew0 command, [R] **lnskew0**
- Begg and Mazumdar test, [META] **meta bias**, [META] **Glossary**
- Begg test, [META] **meta bias**, [META] **Glossary**
- begin,
 - putdocx subcommand, [RPT] **putdocx begin**, [RPT] **putdocx paragraph**
 - putpdf subcommand, [RPT] **putpdf begin**
- Bentler–Raykov squared multiple-correlation coefficient, [SEM] **estat eqgof**
- Bentler–Weeks matrices, [SEM] **Intro 7**, [SEM] **estat framework**, [SEM] **Example 11**, [SEM] **Glossary**
- Bentler’s invariant pattern simplicity rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- Berndt–Hall–Hall–Hausman algorithm, [M-5] **moptimize()**, [M-5] **optimize()**, [R] **ml**
- beta, [PSS-5] **Glossary**, also see **probability coefficients**, [R] **regress**
- density,
 - central, [FN] **Statistical functions**, [M-5] **normal()**
 - noncentral, [FN] **Statistical functions**, [M-5] **normal()**
- distribution,
 - cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - cumulative noncentral, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative noncentral, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- function,
 - complement to incomplete, [FN] **Statistical functions**, [M-5] **normal()**
 - incomplete, [FN] **Statistical functions**, [M-5] **normal()**
- regression, [R] **betareg**, [SVY] **svy estimation**, [U] **27.5 Fractional outcomes**
- beta-min condition, [LASSO] **Glossary**
- betaden() function, [FN] **Statistical functions**, [M-5] **normal()**
- betareg command, [R] **betareg**, [R] **betareg postestimation**
- between estimators, [XT] **xativreg**, [XT] **xreg**, [XT] **Glossary**
- between matrix, [MV] **Glossary**
- between–within DDF, see **denominator degrees of freedom**, repeated
- between-cell means and variances, [XT] **xtdescribe**, [XT] **xtsum**
- between-group variance, [PSS-2] **power oneway**
- between-imputation variability, [MI] **mi estimate**, [MI] **mi predict**
- between-study
 - covariance, [META] **Intro**, [META] **meta**, [META] **meta mvregress**
 - covariance matrix, [META] **Glossary**
 - heterogeneity, [META] **Intro**, [META] **meta**, [META] **meta set**, [META] **meta update**, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta regress**, [META] **meta funnelplot**, [META] **meta bias**, [META] **meta trimfill**, [META] **meta mvregress**, [META] **Glossary**
 - sample size, [META] **meta set**, [META] **meta update**, [META] **Glossary**
 - variability, see **between-study heterogeneity**
- between-subjects
 - design, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-5] **Glossary**
 - factor, [PSS-2] **power repeated**, [PSS-5] **Glossary**
 - variance, [PSS-2] **power repeated**
- BFGS algorithm, see **Broyden–Fletcher–Goldfarb–Shanno algorithm**
- bgodfrey, estat subcommand, [R] **regress postestimation time series**, [TS] **newey postestimation**
- BHHH algorithm, see **Berndt–Hall–Hall–Hausman algorithm**
- bias corrected and accelerated, [R] **bootstrap postestimation**, [R] **bstat**
- bias, meta command, [META] **meta bias**
- BIC, see **Bayesian information criterion**
- Bickenböller test statistic, [R] **symmetry**
- bicplot command, [LASSO] **bicplot**
- binary
 - 0, [D] **Glossary**, [M-2] **exp**, [M-5] **strlen()**, [M-5] **strpos()**, [P] **Glossary**, [U] **12.4.10 strL variables and binary strings**, [U] **Glossary**
 - files, writing and reading, [P] **file**
 - I/O, [M-5] **bufio()**
 - item, [IRT] **Glossary**
 - operator, [M-6] **Glossary**, [U] **11.4.3.1 Factor-variable operators**, [U] **14.7 Matrix operators**
 - outcome model, see **outcomes**, binary
 - string, [D] **Glossary**, [U] **12.4.10 strL variables and binary strings**, [U] **Glossary**
 - variable, [ERM] **Glossary**
 - variable imputation, see **imputation**, binary

- binomial
 - distribution,
 - confidence intervals, [R] **ci**
 - cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - family regression, [R] **binreg**
 - probability mass function, [FN] **Statistical functions**, [M-5] **normal()**
 - probability test, [R] **bitest**
 - test, [PSS-2] **power oneproportion**, [PSS-5] **Glossary**
- binomial()** function, [FN] **Statistical functions**, [M-5] **normal()**
- binomialp()** function, [FN] **Statistical functions**, [M-5] **normal()**
- binomialtail()** function, [FN] **Statistical functions**, [M-5] **normal()**
- binormal()** function, [FN] **Statistical functions**, [M-5] **normal()**
- binreg** command, [R] **binreg**, [R] **binreg postestimation**
- bioequivalence test, [BAYES] **bayesmh**, [R] **pk**, [R] **pkequiv**
- biopharmaceutical data, see **pharmacokinetic data**
- biplot**, [MV] **biplot**, [MV] **ca postestimation plots**, [MV] **Glossary**
- biplot** command, [MV] **biplot**
- biprob** command, [R] **biprob**, [R] **biprob postestimation**
- biquartimax** rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- biquartimin** rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- birthday()** function, [D] **Datetime relative dates**, [FN] **Date and time functions**, [M-5] **date()**
- bisection method, see **iterations**, bisection method
- bitest** and **bitesti** commands, [R] **bitest**
- bitmap**, [G-3] **jpg_options**, [G-3] **png_options**, [G-3] **tif_options**
- bitmap** image, see **image format**
- bivariate normal function, [FN] **Statistical functions**, [M-5] **normal()**
- bivariate probit regression, [ERM] **Example 5**, [R] **biprob**, [SVY] **svy estimation**
- biweight kernel function, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lpoly**, [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**, [R] **qreg**, [TE] **tebalance density**, [TE] **teoverlap**
- biweight regression estimates, [R] **rreg**
- biyearly()** function, [U] **26 Working with categorical data and factor variables**
- bk**, **tsfilter** subcommand, [TS] **tsfilter bk**
- blanks, removing from strings, [FN] **String functions**, [M-5] **strtrim()**
- BLOB**, [U] **Glossary**
- block
 - diagonal covariance, [MV] **mvtest covariances**
 - diagonal matrix, [M-5] **blockdiag()**
 - exogeneity, [TS] **vargranger**
- blockdiag()** function, [M-5] **blockdiag()**
- blocking, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **Glossary**
- blog, see **Stata Blog**
- Blundell–Bond estimator, [XT] **xtdpd**, [XT] **xtdpdsys**
- BLUPs, [ME] **me**, [ME] **menl postestimation**, [ME] **mixed**, [ME] **mixed postestimation**, [ME] **Glossary**, [META] **meta mvregress postestimation**
- bofd()** function, [D] **Datetime business calendars**, [FN] **Date and time functions**, [M-5] **date()**
- Bonferroni's multiple-comparison adjustment, see **multiple comparisons**, Bonferroni's method
- bootstrap**, [SEM] **Glossary**
 - bootstrap_options*, [SVY] **bootstrap_options**
 - estimation, [SVY] **bootstrap_options**, [SVY] **svy bootstrap**, [SVY] **Variance estimation**, [SVY] **Glossary**
 - sampling and estimation, [R] **bootstrap**, [R] **bsample**, [R] **bstat**, [R] **qreg**, [R] **rocreg**, [R] **simulate**
 - standard errors, [R] **vce_option**, [SVY] **svy bootstrap**, [SVY] **Variance estimation**, [XT] **vce_options**
- bootstrap** prefix command, [R] **bootstrap**, [R] **bootstrap postestimation**
- bootstrap**, **estat** subcommand, [R] **bootstrap postestimation**
- border**, [SP] **spmatrix create**, [SP] **Glossary**
 - misplacement of, [G-3] **added_text_options**
 - suppressing, [G-4] **linestyle**
 - suppressing around plot region, [G-3] **region_options**
- Boston College Archive, see **Statistical Software Components Archive**
- bottom suboption, [G-4] **alignmentstyle**
- boundary
 - characteristic curve, [IRT] **irtgraph icc**, [IRT] **Glossary**
 - kernel, [ST] **Glossary**
 - solution, [MV] **Glossary**
- box,
 - graph subcommand, [G-2] **graph box**
 - tebalance** subcommand, [TE] **tebalance box**
- Box–Cox
 - power transformations, [R] **lnskew0**
 - regression, [R] **boxcox**
- Box *M* test, [MV] **mvtest covariances**
- box plot, [G-2] **graph box**, [TE] **tebalance box**

boxcox command, [R] **boxcox**, [R] **boxcox postestimation**

Box's conservative epsilon, [R] **anova**

break, [M-2] **break**

break command, [P] **break**

Break key, [U] **9 The Break key**, [U] **16.1.4 Error handling in do-files**

interception, [P] **break**, [P] **capture**

processing, [M-5] **setbreakintr()**

breakkey() function, [M-5] **setbreakintr()**

breakkeyreset() function, [M-5] **setbreakintr()**

Bree fictional location, [SP] **Intro 2**

Breitung test, [XT] **xtunitroot**

breitung, xtunitroot subcommand, [XT] **xtunitroot**

Breusch–Godfrey test, [R] **regress postestimation time series**

Breusch–Pagan Lagrange multiplier test, [XT] **xreg postestimation**

Breusch–Pagan test, [MV] **mvreg**, [R] **sureg**

Breusch–Pagan/Cook–Weisberg test for heteroskedasticity, [R] **regress postestimation**

brier command, [R] **brier**

Brier score decomposition, [R] **brier**

broad type, [M-6] **Glossary**

browse command, [D] **edit**

browse, view subcommand, [R] **view**

Broyden–Fletcher–Goldfarb–Shanno algorithm, [M-5] **moptimize()**, [M-5] **optimize()**, [R] **ml**

Broyden–Powell method, [M-5] **solvenl()**

BRR, see **balanced repeated replication**

brr_options, [SVY] **brr_options**

bsample command, [R] **bsample**

B-spline basis, [R] **npregress series**

bsqreg command, [R] **qreg**, [R] **qreg postestimation**

bstat command, [R] **bstat**

bstyle() option, [G-3] **barlook_options**

bubble plot, [META] **estat bubbleplot**, [META] **Glossary**

bubbleplot, estat subcommand, [META] **estat bubbleplot**

bufbfmtisnum() function, [M-5] **bufio()**

bufbfmtlen() function, [M-5] **bufio()**

bufbyteorder() function, [M-5] **bufio()**

buffered I/O, [M-5] **bufio()**

bufget() function, [M-5] **bufio()**

bufio() function, [M-5] **bufio()**

bufmissingvalue() function, [M-5] **bufio()**

bufput() function, [M-5] **bufio()**

build, ssd subcommand, [SEM] **ssd**

Builder (GUI), [SEM] **Glossary**

building a graph, [G-1] **Graph intro**

built-in, class, [P] **class**

built-in variables, [U] **11.3 Naming conventions**, [U] **13.4 System variables (_variables)**

Bunch–Kaufman– decomposition, [M-5] **ldl()**

burn-between period, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute mvn**, [MI] **Glossary**

burn-in period, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesgraph**, [BAYES] **Glossary**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute mvn**, [MI] **Glossary**

business calendars, [D] **bcal**, [D] **Datetime business calendars**, [D] **Datetime business calendars creation**, [M-5] **date()**, [TS] **Intro**, [U] **25.7 Business dates and calendars**

business dates, see **business calendars**

Butterworth filter, [TS] **tsfilter**, [TS] **tsfilter bw**

bw, tsfilter subcommand, [TS] **tsfilter bw**

_by() function, [P] **byable**

by() option, [G-2] **graph bar**, [G-3] **by_option**

by(), use of legends with, [G-3] **by_option**, [G-3] **legend_option**, [G-3] **legend_options**

by varlist: prefix, [D] **by**, [P] **byable**, [U] **11.5 by varlist: construct**, [U] **13.7 Explicit subscripting**

byable(), [P] **byable**

by-graphs, look of, [G-4] **bystyle**, [G-4] **Glossary**

by-groups, [D] **by**, [D] **statsby**, [P] **byable**, [U] **11.5 by varlist: construct**

_byindex() function, [P] **byable**

_bylastcall() function, [P] **byable**

_byn1() function, [P] **byable**

_byn2() function, [P] **byable**

bysort varlist: prefix, [D] **by**

bystyle, [G-4] **bystyle**, [G-4] **Glossary**

byte, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**

byte, [D] **Data types**, [U] **12.2.2 Numeric storage types**

byteorder() function, [FN] **Programming functions**, [M-5] **byteorder()**

C

C() function, [M-5] **C()**

c() function, [M-5] **c()**

c() pseudofunction, [FN] **Programming functions**

c(adopath) c-class value, [P] **creturn**, [P] **sysdir**

c(adosize) c-class value, [P] **creturn**, [P] **sysdir**

c(ALPHA) c-class value, [P] **creturn**

c(alpha) c-class value, [P] **creturn**

c(autotabgraphs) c-class value, [P] **creturn**

c(bit) c-class value, [P] **creturn**

c(born_date) c-class value, [P] **creturn**

c(byteorder) c-class value, [P] **creturn**

c(cformat) c-class value, [P] **creturn**, [R] **set cformat**

c(changed) c-class value, [P] **creturn**

c(charlen) c-class value, [P] **creturn**

c charts, see **control charts**

c(clevel) c-class value, [P] **creturn**

c(cmdlen) c-class value, [P] **creturn**

c(coeftabresults) c-class value, [P] **creturn**

c(collect_double) c-class value, [P] **creturn**

c(collect_label) c-class value, [P] **creturn**

c(collect_style) c-class value, [P] **creturn**

c(collect_warn) c-class value, [P] **creturn**

c(console) c-class value, [P] [return](#)
 c(copycolor) c-class value, [P] [return](#)
 c(current_date) c-class value, [P] [return](#)
 c(current_time) c-class value, [P] [return](#)
 c(dirsep) c-class value, [P] [return](#)
 c(dockable) c-class value, [P] [return](#)
 c(docx_hardbreak) c-class value, [P] [return](#)
 c(docx_paramode) c-class value, [P] [return](#)
 c(dots) c-class value, [P] [return](#)
 c(doublebuffer) c-class value, [P] [return](#)
 c(dp) c-class value, [D] [format](#), [P] [return](#)
 c(dyndoc_version) c-class value, [P] [return](#)
 c(edition) c-class value, [P] [return](#)
 c(edition_real) c-class value, [P] [return](#)
 c(emptycells) c-class value, [P] [return](#)
 c(epsdouble) c-class value, [P] [return](#)
 c(epsfloat) c-class value, [P] [return](#)
 c(eqlen) c-class value, [P] [return](#)
 c(etable_style) c-class value, [P] [return](#)
 c(fastscroll) c-class value, [P] [return](#)
 c(filedate) c-class value, [P] [return](#)
 c(filename) c-class value, [P] [return](#)
 c(frame) c-class value, [P] [return](#)
 c(fredkey) c-class value, [P] [return](#)
 c(fvbase) c-class value, [P] [return](#)
 c(fvlabel) c-class value, [P] [return](#)
 c(fvtrack) c-class value, [P] [return](#)
 c(fvwrap) c-class value, [P] [return](#)
 c(fvwrapon) c-class value, [P] [return](#)
 c(graphics) c-class value, [P] [return](#)
 c(haverdir) c-class value, [P] [return](#)
 c(hostname) c-class value, [P] [return](#)
 c(httpproxy) c-class value, [P] [return](#)
 c(httpproxyauth) c-class value, [P] [return](#)
 c(httpproxyhost) c-class value, [P] [return](#)
 c(httpproxyport) c-class value, [P] [return](#)
 c(httpproxypw) c-class value, [P] [return](#)
 c(httpproxyuser) c-class value, [P] [return](#)
 c(include_bitmap) c-class value, [P] [return](#)
 c(iterlog) c-class value, [P] [return](#)
 c(java_heapmax) c-class value, [P] [return](#)
 c(java_home) c-class value, [P] [return](#)
 c(k) c-class value, [P] [return](#)
 c(lapack_mkl) c-class value, [P] [return](#)
 c(lapack_mkl_cnr) c-class value, [P] [return](#)
 c(level) c-class value, [P] [return](#)
 c(linegap) c-class value, [P] [return](#)
 c(linesize) c-class value, [P] [return](#)
 c(locale_functions) c-class value, [P] [return](#)
 c(locale_icudflt) c-class value, [P] [return](#)
 c(locale_ui) c-class value, [P] [return](#)
 c(locksplitters) c-class value, [P] [return](#)
 c(logmsg) c-class value, [P] [return](#)
 c(logtype) c-class value, [P] [return](#)
 c(lstretch) c-class value, [P] [return](#)
 c(machine_type) c-class value, [P] [return](#)
 c(macrolen) c-class value, [P] [return](#)
 c(matacache) c-class value, [P] [return](#)
 c(matafavor) c-class value, [P] [return](#)
 c(matalibs) c-class value, [P] [return](#)
 c(matalnum) c-class value, [P] [return](#)
 c(matamofirst) c-class value, [P] [return](#)
 c(mataoptimize) c-class value, [P] [return](#)
 c(matasolveto1) c-class value, [P] [return](#)
 c(matastrict) c-class value, [P] [return](#)
 c(maxbezierpath) c-class value, [P] [return](#)
 c(maxbyte) c-class value, [P] [return](#)
 c(max_cmdlen) c-class value, [P] [return](#)
 c(maxdb) c-class value, [P] [return](#)
 c(maxdouble) c-class value, [P] [return](#)
 c(maxfloat) c-class value, [P] [return](#)
 c(max_graphsize) c-class value, [P] [return](#)
 c(maxint) c-class value, [P] [return](#)
 c(max_it_cvars) c-class value, [P] [return](#)
 c(maxiter) c-class value, [P] [return](#)
 c(max_it_fvars) c-class value, [P] [return](#)
 c(max_k_theory) c-class value, [P] [return](#)
 c(maxlong) c-class value, [P] [return](#)
 c(max_macrolen) c-class value, [P] [return](#)
 c(max_matdim) c-class value, [P] [return](#)
 c(max_memory) c-class value, [D] [memory](#),
 [P] [return](#)
 c(max_N_theory) c-class value, [P] [return](#)
 c(max_preservemem) c-class value, [P] [return](#)
 c(maxstrlvarlen) c-class value, [P] [return](#)
 c(maxstrvarlen) c-class value, [P] [return](#)
 c(maxvar) c-class value, [D] [memory](#), [P] [return](#)
 c(maxvlabellen) c-class value, [P] [return](#)
 c(max_width_theory) c-class value, [P] [return](#)
 c(memory) c-class value, [P] [return](#)
 c(minbyte) c-class value, [P] [return](#)
 c(mindouble) c-class value, [P] [return](#)
 c(minfloat) c-class value, [P] [return](#)
 c(min_graphsize) c-class value, [P] [return](#)
 c(minint) c-class value, [P] [return](#)
 c(minlong) c-class value, [P] [return](#)
 c(min_memory) c-class value, [D] [memory](#),
 [P] [return](#)
 c(mode) c-class value, [P] [return](#)
 c(Mons) c-class value, [P] [return](#)
 c(Months) c-class value, [P] [return](#)
 c(more) c-class value, [P] [return](#), [P] [more](#)
 c(MP) c-class value, [P] [return](#)
 c(N) c-class value, [P] [return](#)
 c(namelenbyte) c-class value, [P] [return](#)
 c(namelenchar) c-class value, [P] [return](#)
 c(niceness) c-class value, [D] [memory](#), [P] [return](#)
 c(noisily) c-class value, [P] [return](#)
 c(notifyuser) c-class value, [P] [return](#)
 c(obs_t) c-class value, [P] [return](#)
 c(odbcdriver) c-class value, [P] [return](#)
 c(odbcmgr) c-class value, [P] [return](#)
 c(os) c-class value, [P] [return](#)
 c(osdt1) c-class value, [P] [return](#)

- c(pagesize) c-class value, [P] **creturn**
- c(pformat) c-class value, [P] **creturn**, [R] **set cformat**
- c(pi) c-class value, [P] **creturn**
- c(pinnable) c-class value, [P] **creturn**
- c(playsnd) c-class value, [P] **creturn**
- c(printcolor) c-class value, [P] **creturn**
- c(processors) c-class value, [P] **creturn**
- c(processors_lic) c-class value, [P] **creturn**
- c(processors_mach) c-class value, [P] **creturn**
- c(processors_max) c-class value, [P] **creturn**
- c(pwd) c-class value, [P] **creturn**
- c(python_exec) c-class value, [P] **creturn**
- c(python_userpath) c-class value, [P] **creturn**
- c(rc) c-class value, [P] **capture**, [P] **creturn**
- c(reventries) c-class value, [P] **creturn**
- c(revkeyboard) c-class value, [P] **creturn**
- c(rmsg) c-class value, [P] **creturn**, [P] **rmsg**
- c(rmsg_time) c-class value, [P] **creturn**
- c(rng) c-class value, [P] **creturn**
- c(rng_current) c-class value, [P] **creturn**
- c(rngseed_mt64s) c-class value, [P] **creturn**
- c(rngstate) c-class value, [P] **creturn**, [R] **set emptycells**, [R] **set seed**
- c(rngstream) c-class value, [P] **creturn**
- c(scheme) c-class value, [P] **creturn**
- c(scrollbufsize) c-class value, [P] **creturn**
- c(SE) c-class value, [P] **creturn**
- c(searchdefault) c-class value, [P] **creturn**
- c(segmentsize) c-class value, [D] **memory**, [P] **creturn**
- c(sformat) c-class value, [P] **creturn**, [R] **set cformat**
- c(showbaselevels) c-class value, [P] **creturn**, [R] **set showbaselevels**
- c(showemptycells) c-class value, [P] **creturn**, [R] **set showbaselevels**
- c(showomitted) c-class value, [P] **creturn**, [R] **set showbaselevels**
- c(smallestdouble) c-class value, [P] **creturn**
- c(smoothfonts) c-class value, [P] **creturn**
- c(sort_current) c-class value, [P] **creturn**
- c(sortmethod) c-class value, [P] **creturn**
- c(sortrngstate) c-class value, [P] **creturn**
- c(stata_version) c-class value, [P] **creturn**
- c(sysdir_base) c-class value, [P] **creturn**, [P] **sysdir**
- c(sysdir_oldplace) c-class value, [P] **creturn**, [P] **sysdir**
- c(sysdir_personal) c-class value, [P] **creturn**, [P] **sysdir**
- c(sysdir_plus) c-class value, [P] **creturn**, [P] **sysdir**
- c(sysdir_site) c-class value, [P] **creturn**, [P] **sysdir**
- c(sysdir_stata) c-class value, [P] **creturn**, [P] **sysdir**
- c(table_style) c-class value, [P] **creturn**
- c(tmpdir) c-class value, [P] **creturn**
- c(trace) c-class value, [P] **creturn**, [P] **trace**
- c(tracedepth) c-class value, [P] **creturn**, [P] **trace**
- c(traceexpand) c-class value, [P] **creturn**, [P] **trace**
- c(tracehilit) c-class value, [P] **creturn**, [P] **trace**
- c(traceindent) c-class value, [P] **creturn**, [P] **trace**
- c(tracenumber) c-class value, [P] **creturn**, [P] **trace**
- c(tracesep) c-class value, [P] **creturn**, [P] **trace**
- c(type) c-class value, [D] **generate**, [P] **creturn**
- c(update_interval) c-class value, [P] **creturn**
- c(update_prompt) c-class value, [P] **creturn**
- c(update_query) c-class value, [P] **creturn**
- c(username) c-class value, [P] **creturn**
- c(userversion) c-class value, [P] **creturn**
- c(varabbrev) c-class value, [P] **creturn**
- c(varkeyboard) c-class value, [P] **creturn**
- c(version) c-class value, [P] **creturn**, [P] **version**
- c(Wdays) c-class value, [P] **creturn**
- c(Weekdays) c-class value, [P] **creturn**
- c(width) c-class value, [P] **creturn**
- CA, see **correspondence analysis**
- ca command, [MV] **ca**, [MV] **ca postestimation**, [MV] **ca postestimation plots**
- cabiplot command, [MV] **ca postestimation plots**
- calculator, [R] **display**
- calendars, [D] **bc**, [D] **Datetime business calendars**, [D] **Datetime business calendars creation**, [TS] **Intro**
- calibration, [IRT] **Glossary**, [SVY] **Calibration**, [SVY] **Glossary**
- Calinski and Harabasz index stopping rules, [MV] **cluster stop**
- _caller() pseudofunction, [FN] **Programming functions**
- callersversion() function, [M-5] **callersversion()**
- camat command, [MV] **ca**, [MV] **ca postestimation**, [MV] **ca postestimation plots**
- Canberra dissimilarity measure, [MV] **measure_option**
- candisc command, [MV] **candisc**, [MV] **discrim estat**, [MV] **discrim_qda postestimation**
- canon command, [MV] **canon**, [MV] **canon postestimation**
- canonical
 - correlation analysis, [MV] **canon**, [MV] **canon postestimation**, [MV] **Glossary**, also see **correspondence analysis**
 - discriminant analysis, [MV] **candisc**, [MV] **Glossary**
 - link, [ME] **meglm**, [ME] **Glossary**, [XT] **Glossary**
 - loadings, [MV] **canon**, [MV] **canon postestimation**, [MV] **Glossary**
 - variate set, [MV] **canon**, [MV] **canon postestimation**, [MV] **Glossary**
- canontest, estat subcommand, [MV] **discrim lda postestimation**
- capped spikes, [G-3] **rcap_options**
- caprojection command, [MV] **ca postestimation plots**
- caption() option, [G-3] **title_options**
- capture command, [P] **capture**
- carryover effects, [R] **pk**, [R] **pkcross**, [R] **pkshape**
- case, [CM] **Glossary**
- ID variable, [CM] **Glossary**

- case-cohort data, [ST] **sttoce**
- case-control
- data, [R] **clogit**, [R] **Epitab**, [R] **logistic**, [R] **rocreg**, [R] **symmetry**, [ST] **sttoce**
 - study, [PSS-2] **power**, [PSS-2] **power mcc**, [PSS-5] **Glossary**, [R] **Epitab**
- case I interval-censored data, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**, [ST] **stintreg**, [ST] **stintreg postestimation**, [ST] **Glossary**
- case II interval-censored data, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**, [ST] **stintreg**, [ST] **stintreg postestimation**, [ST] **Glossary**
- casement displays, [G-3] **by_option**
- case-specific variable, [CM] **Glossary**
- casewise deletion, [D] **collapse**, [D] **egen**, [P] **mark**, *also see* listwise deletion
- cat command, [D] **type**
- cat() function, [M-5] **cat()**
- categorical, *see* factor variables
- axis, look of
 - labels, [G-3] **cat_axis_Label_options**
 - line, [G-3] **cat_axis_Line_options**
 - contrasts after anova, [R] **contrast**
 - covariates, [R] **anova**
 - data, [D] **egen**, [D] **recode**, [MV] **ca**, [MV] **manova**, [MV] **mca**, [R] **Epitab**, [SVY] **svy estimation**, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**
 - data, agreement, measures for, [R] **kappa**
 - graphs, [R] **grmeanby**, [R] **spikeplot**
 - item, [IRT] **Glossary**
 - latent variable, [FMM] **Glossary**, [SEM] **Glossary**
 - outcomes, *see* outcomes, categorical, *also see* **outcomes**, binary, *also see* outcomes, ordinal
 - regression, *also see* outcomes subentry
 - absorbing one categorical variable, [R] **areg**
 - tabulations, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **table summary**, [R] **table**, [R] **tabstat**, [R] **tabulate oneway**, [R] **tabulate twoway**, [R] **tabulate, summarize()**
 - variable creation, [R] **tabulate oneway**, [R] **xi**
 - variable imputation, *see* imputation, categorical
 - variables, [ERM] **Glossary**, [U] **26.1.2 Converting continuous variables to categorical variables**
- category
- boundary curve, *see* boundary characteristic curve
 - boundary location, [IRT] **Glossary**
 - characteristic curve, [IRT] **irtgraph icc**, [IRT] **Glossary**
 - response function, [IRT] **irtgraph icc**, [IRT] **Glossary**
- Cauchy
- density, [FN] **Statistical functions**, [M-5] **normal()**
 - distribution,
 - cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- cauchy() function, [FN] **Statistical functions**, [M-5] **normal()**
- cauchyden() function, [FN] **Statistical functions**, [M-5] **normal()**
- cauchytail() function, [FN] **Statistical functions**, [M-5] **normal()**
- cause-specific hazard, [ST] **sterreg**, [ST] **Glossary**
- cc command, [R] **Epitab**
- CCC, *see* category characteristic curve
- ccc, **mgarch** subcommand, [TS] **mgarch ccc**
- cchart command, [R] **QC**
- cci command, [R] **Epitab**
- c-class command, [P] **creturn**
- c-conformability, [M-2] **op_colon**, [M-6] **Glossary**
- CCT, *see* controlled clinical trial study
- CD, *see* coefficient of determination
- cd command, [D] **cd**
- cd, **net** subcommand, [R] **net**
- Cdhms() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- cdir, **classutil** subcommand, [P] **classutil**
- ceil() function, [FN] **Mathematical functions**, [M-5] **trunc()**
- ceiling function, [FN] **Mathematical functions**, [M-5] **trunc()**
- cell means, [PSS-5] **Glossary**
- kernel function, [R] **npregress kernel**
 - model, [PSS-5] **Glossary**
- censored, [ERM] **Glossary**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [ST] **Glossary**, [TE] **Glossary**, *also see* imputation, interval-censored data
- observations, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [ERM] **Example 1c**, [FMM] **fmm: intreg**, [FMM] **fmm: tobit**, [MI] **mi impute intreg**, [MI] **mi XXXset**, [R] **heckman**, [R] **heckoprobit**, [R] **heckprobit**, [R] **intreg**, [R] **ivtobit**, [R] **tobit**, [ST] **st**, [ST] **stintcox**, [ST] **stintreg**, [XT] **xheckman**, *also see* truncated observations
- Poisson regression, [R] **cpoisson**, [SVY] **svy estimation**
- censored-normal regression, *see* interval regression
- census, [SVY] **Glossary**
- data, [SVY] **Survey**, [SVY] **Direct standardization**, [SVY] **Variance estimation**

- centered data, [MV] **Glossary**
- centile command, [R] **centile**
- centiles, see **percentiles**
- central posterior interval, see **equal-tailed credible interval**
- central tendency, measures of, see **means**, see **medians**
- centroidlinkage**,
 - clustermat** subcommand, [MV] **cluster linkage**
 - cluster** subcommand, [MV] **cluster linkage**
- centroid-linkage clustering, [MV] **cluster**,
 - [MV] **clustermat**, [MV] **cluster linkage**, [MV] **Glossary**
- certainty strata, [SVY] **estat**
- certainty units, [SVY] **Variance estimation**
- certify data, [D] **assert**, [D] **assertnested**,
 - [D] **checksum**, [D] **count**, [D] **datasignature**, [D] **inspect**, [MI] **mi update**, [P] **_datasignature**, [P] **signestimationsample**
- cf** command, [D] **cf**
- cf**, **tsfilter** subcommand, [TS] **tsfilter cf**
- CFA, see **confirmatory factor analysis**
- CFI, see **comparative fit index**
- cformat**, **set** subcommand, [R] **set**, [R] **set cformat**
- cgraph**,
 - bayesirf** subcommand, [BAYES] **bayesirf cgraph**
 - irf** subcommand, [TS] **irf cgraph**
- chained equations, see **imputation**, **multivariate**, **chained equations**
- change**, **frame** subcommand, [D] **frame change**
- changeeol** command, [D] **changeeol**
- changing
 - data, see **edit data**
 - directories, [D] **cd**
- _char(#)**, **display** directive, [P] **display**
- char**
 - command, [U] **12.8 Characteristics**
 - define** command, [P] **char**
 - list** command, [P] **char**
 - macro function, [P] **macro**
 - rename** command, [P] **char**
- char()** function, [FN] **String functions**, [M-5] **ascii()**
- character**
 - data, see **string variables**
 - variables, [D] **infile (free format)**
- characteristic roots**, [M-5] **eigensystem()**
- characteristics**, [D] **Glossary**, [P] **char**, [P] **Glossary**,
 - [U] **12.8 Characteristics**, [U] **18.3.6 Macro functions**, [U] **18.3.13 Referring to characteristics**, [U] **Glossary**
- chdir** command, [D] **cd**
- _chdir()** function, [M-5] **chdir()**
- chdir()** function, [M-5] **chdir()**
- check**,
 - bcal** subcommand, [D] **bcal**
 - icd10** subcommand, [D] **icd10**
 - icd10cm** subcommand, [D] **icd10cm**
 - icd10pcs** subcommand, [D] **icd10pcs**
 - icd9** subcommand, [D] **icd9**
 - icd9p** subcommand, [D] **icd9p**
 - ml** subcommand, [R] **ml**
- check data**, [D] **assert**, [D] **assertnested**
- checkestimationsample** command,
 - [P] **signestimationsample**
- checkpoint**, [D] **snapshot**
- checksum** command, [D] **checksum**
- checksums** of data, [D] **checksum**, [D] **datasignature**,
 - [P] **_datasignature**, [P] **signestimationsample**
- chi2()** function, [FN] **Statistical functions**,
 - [M-5] **normal()**
- chi2den()** function, [FN] **Statistical functions**,
 - [M-5] **normal()**
- chi2tail()** function, [FN] **Statistical functions**,
 - [M-5] **normal()**
- χ^2
 - density**, [FN] **Statistical functions**, [M-5] **normal()**
 - distribution**,
 - cumulative**, [FN] **Statistical functions**, [M-5] **normal()**
 - cumulative noncentral**, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative**, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative noncentral**, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse reverse cumulative**, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse reverse cumulative noncentral**, [FN] **Statistical functions**, [M-5] **normal()**
 - noncentral**, [FN] **Statistical functions**, [M-5] **normal()**
 - reverse cumulative**, [FN] **Statistical functions**, [M-5] **normal()**
 - reverse cumulative noncentral**, [FN] **Statistical functions**, [M-5] **normal()**
- hypothesis test**, [R] **hausman**, [R] **lrtest**, [R] **sdtest**, [R] **tabulate twoway**, [R] **test**, [R] **testnl**
- noncentrality parameter**, [FN] **Statistical functions**, [M-5] **normal()**
- probability plot**, [R] **Diagnostic plots**
- quantile plot**, [R] **Diagnostic plots**
- test**, [PSS-5] **Glossary**, [SEM] **Methods and formulas for sem**
- test for marginal homogeneity**, [R] **symmetry**
- test of independence**, [R] **Epitab**, [R] **tabulate twoway**, [SVY] **svy: tabulate twoway**
- Chms()** function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**

choice model, [CM] **Intro**, [U] **27.10 Choice models**

Bayesian estimation, [BAYES] **bayes: clogit**,
 [BAYES] **bayes: cloglog**, [BAYES] **bayes: glm**,
 [BAYES] **bayes: heckprobit**,
 [BAYES] **bayes: hetprobit**,
 [BAYES] **bayes: logistic**, [BAYES] **bayes: logit**,
 [BAYES] **bayes: mecloglog**,
 [BAYES] **bayes: meglm**,
 [BAYES] **bayes: melogit**,
 [BAYES] **bayes: meprobit**,
 [BAYES] **bayes: mlogit**,
 [BAYES] **bayes: mprobit**,
 [BAYES] **bayes: probit**, [BAYES] **bayes: xtlogit**,
 [BAYES] **bayes: xtmlogit**,
 [BAYES] **bayes: xtprobit**

conditional logit (McFadden's), [CM] **cmclogit**

data, [CM] **Intro 2**, [CM] **cmchoiceset**,
 [CM] **cmsample**, [CM] **cmset**,
 [CM] **cmsummarize**, [CM] **cmtab**,
 [D] **assertnested**

extended regression, [ERM] **eprobit**

finite mixture, [FMM] **fmn: cloglog**,
 [FMM] **fmn: glm**, [FMM] **fmn: logit**,
 [FMM] **fmn: mlogit**, [FMM] **fmn: probit**

mixed logit, [CM] **cmmixlogit**, [CM] **cmxtmixlogit**

multilevel mixed-effects model, [ME] **mecloglog**,
 [ME] **meglm**, [ME] **melogit**, [ME] **meprobit**

multinomial probit, [CM] **cmmprobit**

nested logit, [CM] **nlogit**

panel data, [CM] **Intro 7**, [CM] **cmxtmixlogit**,
 [ERM] **eprobit**, [ERM] **Example 9**, [XT] **xtgee**,
 [XT] **xtlogit**, [XT] **xtmlogit**, [XT] **xtlogit**,
 [XT] **xtprobit**

rank-ordered logit, [CM] **cmrologit**

rank-ordered probit, [CM] **cmroprobit**

standard, [R] **clogit**, [R] **cloglog**, [R] **xlogistic**,
 [R] **glm**, [R] **heckprobit**, [R] **hetprobit**,
 [R] **ivprobit**, [R] **logistic**, [R] **logit**, [R] **mlogit**,
 [R] **mprobit**, [R] **probit**, [R] **scobit**, [R] **slogit**,
 [R] **suest**

summarize variables, [CM] **cmsummarize**

tabulations, [CM] **cmchoiceset**, [CM] **cmsample**,
 [CM] **cmtab**

choice set, [CM] **Glossary**

tabulating, [CM] **cmchoiceset**

Cholesky

decomposition, [M-5] **cholesky()**, [P] **matrix define**
 ordering, [TS] **irf create**, [TS] **Glossary**

_cholesky() function, [M-5] **cholesky()**

cholesky() function, [FN] **Matrix functions**,

[M-5] **cholesky()**, [P] **matrix define**

_cholinv() function, [M-5] **cholinv()**

cholinv() function, [M-5] **cholinv()**

_cholinvlapacke() function, [M-5] **cholinv()**

cholinvlapacke() function, [M-5] **cholinv()**

_cholsolve() function, [M-5] **cholsolve()**

cholsolve() function, [M-5] **cholsolve()**

_cholsvelapacke() function, [M-5] **cholsolve()**

cholsvelapacke() function, [M-5] **cholsolve()**

chop() function, [FN] **Programming functions**

choropleth maps, [SP] **Intro 4**, [SP] **grmap**,

[SP] **Glossary**

Chow test, [R] **anova**, [R] **contrast**, [R] **lrtest**,
 [TS] **estat sbknown**

Christiano–Fitzgerald filter, [TS] **tsfilter**, [TS] **tsfilter cf**
churdle

command, [R] **churdle**, [R] **churdle postestimation**

exponential command, [R] **churdle**

linear command, [R] **churdle**

CI, see **confidence interval**

assumption, see **conditional-independence**
assumption

ci

means command, [R] **ci**

proportions command, [R] **ci**

variances command, [R] **ci**

CIF, see **cumulative incidence function**

cii

means command, [R] **ci**

proportions command, [R] **ci**

variances command, [R] **ci**

ciwidth

curve, [PSS-3] **ciwidth usermethod**,

[PSS-3] **ciwidth, graph**

user-defined, [PSS-3] **ciwidth usermethod**

ciwidth

command, [PSS-1] **Intro**, [PSS-3] **Intro (ciwidth)**,

[PSS-3] **GUI (ciwidth)**, [PSS-3] **ciwidth**,

[PSS-3] **ciwidth usermethod**, [PSS-3] **ciwidth**,
graph, [PSS-3] **ciwidth, table**

onemean command, [PSS-3] **ciwidth onemean**

onevariance command, [PSS-3] **ciwidth**

onevariance

pairedmeans command, [PSS-3] **ciwidth**

pairedmeans

twomeans command, [PSS-3] **ciwidth twomeans**

class, [P] **Glossary**

definition, [P] **class**

instance, [P] **class**

model, [FMM] **Glossary**

probability, [FMM] **Glossary**

programming, [M-2] **class**, [M-6] **Glossary**, [P] **class**

programming utilities, [P] **classutil**

class, [M-2] **class**

class exit command, [P] **class exit**

classfunctions, **estat** subcommand, [MV] **discrim**
lda postestimation

classical scaling, [MV] **mds**, [MV] **mdslong**,

[MV] **mdsmat**, [MV] **Glossary**

classification, see **cluster analysis**, see **discriminant**
analysis

data, see **receiver operating characteristic analysis**

function, [MV] **discrim**, [MV] **discrim lda**,

[MV] **discrim lda postestimation**, [MV] **discrim**

qda, [MV] **discrim qda postestimation**,

[MV] **Glossary**

interrater agreement, [R] **kappa**

classification, *continued*

table, [MV] **candisc**, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim knn**, [MV] **discrim knn postestimation**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **discrim logistic**, [MV] **discrim logistic postestimation**, [MV] **discrim qda**, [MV] **discrim qda postestimation**, [MV] **Glossary**, [R] **estat classification**

classification, estat subcommand, [R] **estat classification**

.classmv built-in class function, [P] **class**

.classname built-in class function, [P] **class**

classname() function, [M-5] **eltype()**

classtable, estat subcommand, [MV] **discrim estat**, [MV] **discrim lda postestimation**

classutil

cdir command, [P] **classutil**

describe command, [P] **classutil**

dir command, [P] **classutil**

drop command, [P] **classutil**

which command, [P] **classutil**

classwide variable, [P] **class**

clean,

icd10 subcommand, [D] **icd10**

icd10cm subcommand, [D] **icd10cm**

icd10pcs subcommand, [D] **icd10pcs**

icd9 subcommand, [D] **icd9**

icd9p subcommand, [D] **icd9p**

clear

collections, [D] **clear**

estimation results, see **results**, **clearing**

memory, [D] **clear**

Results window, see **Results window**, **clearing**

c\clear

* command, [D] **clear**

ado command, [D] **clear**

all command, [D] **clear**

collect command, [D] **clear**

command, [D] **clear**

frames command, [D] **clear**, [D] **frames reset**

mata command, [D] **clear**

matrix command, [D] **clear**

option, [U] **11.2 Abbreviation rules**

programs command, [D] **clear**

results command, [D] **clear**

rngstream command, [D] **clear**

clear,

collect subcommand, [TABLES] **collect clear**

datasignature subcommand, [D] **datasignature**

ereturn subcommand, [P] **ereturn**, [P] **return**

_estimates subcommand, [P] **_estimates**

estimates subcommand, [R] **estimates store**

forecast subcommand, [TS] **forecast clear**

fvset subcommand, [R] **fvset**

java subcommand, [P] **Java integration**

mata subcommand, [M-3] **mata clear**

meta subcommand, [META] **meta update**

clear, *continued*

ml subcommand, [R] **ml**

postutil subcommand, [P] **postfile**

putdocx subcommand, [RPT] **putdocx begin**

putexcel subcommand, [RPT] **putexcel**,

[RPT] **putexcel advanced**

putpdf subcommand, [RPT] **putpdf begin**

python subcommand, [P] **PyStata integration**

return subcommand, [P] **return**

rsreset subcommand, [P] **rsreset**

spmatrix subcommand, [SP] **spmatrix drop**

sreturn subcommand, [P] **program**, [P] **return**

timer subcommand, [P] **timer**

vl subcommand, [D] **vl drop**

clegend() option, [G-3] **clegend_option**, [G-3] **legend_options**

clevel, set subcommand, [BAYES] **set clevel**, [R] **set**

clinical heterogeneity, [META] **Intro**, [META] **Glossary**

clinical trial, [BAYES] **bayesmh**, [PSS-5] **Glossary**,

[R] **pk**, also see **survival analysis**

clinically

meaningful difference, [PSS-5] **Glossary**, also see **effect size**

meaningful effect, see **clinically meaningful difference**

significance difference, see **clinically meaningful difference**

clip() function, [FN] **Programming functions**

Clock() function, [D] **Datetime**, [D] **Datetime conversion**, [FN] **Date and time functions**, [M-5] **date()**

clock() function, [D] **Datetime**, [D] **Datetime conversion**, [FN] **Date and time functions**, [M-5] **date()**

clock position, [G-4] **clockposstyle**

clock time, [TS] **tsset**

Clockdiff() function, [D] **Datetime durations**, [FN] **Date and time functions**, [M-5] **date()**

clockdiff() function, [D] **Datetime durations**, [FN] **Date and time functions**, [M-5] **date()**

Clockdiff_frac() function, [D] **Datetime durations**, [FN] **Date and time functions**, [M-5] **date()**

clockdiff_frac() function, [D] **Datetime durations**, [FN] **Date and time functions**, [M-5] **date()**

Clockpart() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**

clockpart() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**

clockposstyle, [G-4] **clockposstyle**, [G-4] **Glossary**

clogit command, [R] **bootstrap**, [R] **clogit**, [R] **clogit**

postestimation, [R] **exlogistic**

cloglog command, [R] **cloglog**, [R] **cloglog**

postestimation

cloglog() function, [FN] **Mathematical functions**, [M-5] **logit()**

clonevar command, [D] **clonevar**

- close,
 - cmdlog subcommand, [R] [log](#)
 - file subcommand, [P] [file](#)
 - graph subcommand, [G-2] [graph close](#)
 - log subcommand, [R] [log](#)
- close graphs, [G-2] [graph close](#)
- cls command, [R] [cls](#)
- clstyle() option, [G-3] [connect_options](#)
- cluster, [MV] [cluster](#)
 - averagelinkage command, [MV] [cluster linkage](#)
 - centroidlinkage command, [MV] [cluster linkage](#)
 - completelinkage command, [MV] [cluster linkage](#)
 - delete command, [MV] [cluster programming utilities](#)
 - dendrogram command, [MV] [cluster dendrogram](#)
 - dir command, [MV] [cluster utility](#)
 - drop command, [MV] [cluster utility](#)
 - generate command, [MV] [cluster generate](#)
 - kmeans command, [MV] [cluster kmeans and kmedians](#)
 - kmedians command, [MV] [cluster kmeans and kmedians](#)
 - list command, [MV] [cluster utility](#)
 - measures command, [MV] [cluster programming utilities](#)
 - medianlinkage command, [MV] [cluster linkage](#)
 - notes command, [MV] [cluster notes](#)
 - notes drop command, [MV] [cluster notes](#)
 - parsedistance command, [MV] [cluster programming utilities](#)
 - query command, [MV] [cluster programming utilities](#)
 - rename command, [MV] [cluster utility](#)
 - renamevar command, [MV] [cluster utility](#)
 - set command, [MV] [cluster programming utilities](#)
 - singlelinkage command, [MV] [cluster linkage](#)
 - stop command, [MV] [cluster stop](#)
 - use command, [MV] [cluster utility](#)
 - wardslinkage command, [MV] [cluster linkage](#)
 - waveragelinkage command, [MV] [cluster linkage](#)
- cluster analysis, [MV] [cluster](#), [MV] [cluster dendrogram](#), [MV] [cluster generate](#), [MV] [cluster kmeans and kmedians](#), [MV] [cluster linkage](#), [MV] [cluster stop](#), [MV] [cluster utility](#), [MV] [Glossary](#), [U] [27.22 Multivariate analysis](#)
- dendrograms, [MV] [cluster dendrogram](#)
- dropping, [MV] [cluster utility](#)
- hierarchical, [MV] [cluster](#), [MV] [clustermat](#), [MV] [cluster linkage](#)
- kmeans, [MV] [cluster kmeans and kmedians](#)
- kmedians, [MV] [cluster kmeans and kmedians](#)
- listing, [MV] [cluster utility](#)
- notes, [MV] [cluster notes](#)
- programming, [MV] [cluster programming subroutines](#), [MV] [cluster programming utilities](#)
- renaming, [MV] [cluster utility](#)
- cluster analysis, *continued*
 - stopping rules, [MV] [cluster](#), [MV] [cluster stop](#)
 - tree, [MV] [cluster dendrogram](#), [MV] [Glossary](#)
 - using, [MV] [cluster utility](#)
- cluster estimator of variance, [P] [_robust](#), [R] [vce_option](#), [XT] [vce_options](#)
- beta regression, [R] [betareg](#)
- between-effects models, instrumental variables, [XT] [xtivreg](#)
- censored Poisson regression, [R] [cpoisson](#)
- choice model
 - conditional logit, [CM] [cmclogit](#)
 - mixed logit, [CM] [cmmixlogit](#), [CM] [cmxtmixlogit](#)
 - multinomial probit, [CM] [cmmprobit](#)
 - nested logit, [CM] [nlogit](#)
 - rank-ordered logistic, [CM] [cmrologit](#)
 - rank-ordered probit, [CM] [cmroprobit](#)
- competing-risks regression, [ST] [stcrreg](#)
- complementary log–log regression, [R] [cloglog](#)
- Cox proportional hazards model, [ST] [stcox](#)
- exponential regression, hurdle, [R] [churdle](#)
- finite mixture models, [FMM] [fmm](#)
- first-differenced estimator, [XT] [xtivreg](#)
- fixed-effects models,
 - instrumental variables, [XT] [xtivreg](#)
 - linear, [XT] [xtreg](#)
 - Poisson, [XT] [xtpoisson](#)
- fractional response regression, [R] [fracreg](#)
- generalized linear models, [R] [glm](#)
 - for binomial family, [R] [binreg](#)
- generalized method of moments, [R] [gmm](#), [R] [ivpoisson](#)
- Heckman selection model, [R] [heckman](#), [XT] [xtheckman](#)
- heckpoisson regression, [R] [heckpoisson](#)
- hurdle regression, [R] [churdle](#)
- instrumental-variable regression,
 - [LASSO] [poivregress](#), [LASSO] [xpoivregress](#)
- instrumental-variables regression, [R] [ivregress](#), [XT] [xtivreg](#)
- interval regression, [ERM] [eintreg](#), [R] [intreg](#)
- item response theory, [IRT] [irt 1pl](#), [IRT] [irt 2pl](#), [IRT] [irt 3pl](#), [IRT] [irt grm](#), [IRT] [irt nrm](#), [IRT] [irt pcm](#), [IRT] [irt rsm](#), [IRT] [irt hybrid](#), [IRT] [irt, group\(\)](#)
- linear dynamic panel-data models, [XT] [xtabond](#), [XT] [xtdpd](#), [XT] [xtdpdsys](#)
- linear regression, [LASSO] [dsregress](#), [LASSO] [elasticnet](#), [LASSO] [lasso](#), [LASSO] [poregress](#), [LASSO] [sqrtlasso](#), [LASSO] [xporegress](#), [R] [regress](#)
 - constrained, [R] [ensreg](#)
 - heteroskedastic, [R] [hetregress](#)
 - hurdle, [R] [churdle](#)
 - truncated, [R] [truncreg](#)
 - with dummy-variable set, [R] [areg](#)

cluster estimator of variance, *continued*

logistic regression, [LASSO] **dslogit**,
[LASSO] **elasticnet**, [LASSO] **lasso**,
[LASSO] **pologit**, [LASSO] **xpologit**,
[R] **logistic**, [R] **logit**, *also see* logit regression
subentry

conditional, [R] **clogit**
multinomial, [R] **mlogit**
ordered, [R] **ologit**
skewed, [R] **scobit**
stereotype, [R] **slogit**
zero-inflated ordered, [R] **ziologit**

logit regression, [LASSO] **dslogit**,
[LASSO] **elasticnet**, [LASSO] **lasso**,
[LASSO] **pologit**, [LASSO] **xpologit**, [R] **logit**,
also see logistic regression subentry

maximum likelihood estimation, [R] **ml**, [R] **mlexp**

multilevel mixed-effects model, [ME] **mecloglog**,
[ME] **meglm**, [ME] **meintreg**, [ME] **melogit**,
[ME] **menbreg**, [ME] **meologit**,
[ME] **meoprobit**, [ME] **mepoisson**,
[ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,
[ME] **mixed**

multinomial

logistic regression, [R] **mlogit**
probit regression, [R] **mprobit**

negative binomial regression

truncated, [R] **nbreg**
zero-inflated, [R] **zinb**

nonlinear

least-squares estimation, [R] **nl**
systems of equations, [R] **nlshr**

ordered probit regression, [ERM] **eoprobit**

parametric survival models, [ST] **stintreg**, [ST] **streg**

Poisson regression, [LASSO] **dspoisson**,
[LASSO] **elasticnet**, [LASSO] **lasso**,
[LASSO] **popoisson**, [LASSO] **xpopoisson**,
[R] **poisson**

censored, [R] **cpoisson**
truncated, [R] **tpoisson**
with endogenous covariates, [R] **ivpoisson**
zero-inflated, [R] **zip**

population-averaged models, [XT] **xtgee**

complementary log-log, [XT] **xtcloglog**
logit, [XT] **xtlogit**
negative binomial, [XT] **xtnbreg**
Poisson, [XT] **xtpoisson**
probit, [XT] **xtprobit**

Prais–Winsten and Cochrane–Orcutt regression,
[TS] **prais**

probit regression, [ERM] **eprobit**, [ERM] **eregress**,
[LASSO] **elasticnet**, [LASSO] **lasso**, [R] **probit**
bivariate, [R] **biprobit**
heteroskedastic, [R] **hetprobit**
multinomial, [R] **mprobit**
ordered, [R] **hetoprobit**, [R] **oprobit**
ordered Heckman selection model,
[R] **heckoprobit**

cluster estimator of variance, probit regression,
continued

with endogenous covariates, [R] **ivprobit**
with sample selection, [R] **heckprobit**
zero-inflated ordered, [R] **zioprobit**

random-effects models

complementary log-log, [XT] **xtcloglog**
Hausman–Taylor regression, [XT] **xthtaylor**
instrumental variables, [XT] **xtivreg**
linear, [XT] **xtreg**
logistic, [XT] **xtlogit**, [XT] **xtmlogit**,
[XT] **xtologit**

parametric survival, [XT] **xtstreg**

Poisson, [XT] **xtpoisson**

probit, [XT] **xtoprobit**, [XT] **xtprobit**
with sample selection, [XT] **xthheckman**

structural equation modeling, [SEM] **Intro 8**,
[SEM] **sem option method()**, [SEM] **Glossary**

summary statistics,

mean, [R] **mean**
proportion, [R] **proportion**
ratio, [R] **ratio**
total, [R] **total**

tobit model, [R] **tobit**

with endogenous covariates, [R] **ivtobit**

treatment-effects model, [TE] **didregress**,
[TE] **eteffects**, [TE] **etpoisson**, [TE] **etregress**,
[TE] **stteffects ipw**, [TE] **stteffects ipwra**,
[TE] **stteffects ra**, [TE] **stteffects wra**,
[TE] **teffects aipw**, [TE] **teffects ipw**,
[TE] **teffects ipwra**, [TE] **teffects ra**,
[TE] **telasso**

truncated

negative binomial regression, [R] **tnbreg**
Poisson regression, [R] **tpoisson**
regression, [R] **truncreg**

with endogenous covariates,

Poisson regression, [R] **ivpoisson**
probit model, [R] **ivprobit**
tobit model, [R] **ivtobit**

with endogenous regressors,

instrumental-variables regression,
[LASSO] **poivregrss**, [LASSO] **xpoivregrss**

with endogenous regressors, instrumental-variables
regression, [R] **ivregress**

zero-inflated

negative binomial regression, [R] **zinb**
ordered logistic regression, [R] **ziologit**
ordered probit regression, [R] **zioprobit**
Poisson regression, [R] **zip**

cluster randomized design, [PSS-2] **power**,
[PSS-2] **power onemean**, **cluster**, [PSS-2] **power**
twomeans, **cluster**, [PSS-2] **power**
oneproportion, **cluster**, [PSS-2] **power**
twoproportions, **cluster**, [PSS-2] **power logrank**,
cluster, [PSS-5] **Glossary**, [R] **prtest**, [R] **ztest**
cluster randomized trial, *see* cluster randomized design

- cluster sampling, [P] **_robust**, [SVY] **Survey**,
[SVY] **svy estimation**, [SVY] **svyset**,
[SVY] **Variance estimation**, [SVY] **Glossary**,
[R] **bootstrap**, [R] **bsample**, [R] **jackknife**
- cluster size, [PSS-5] **Glossary**
- cluster tree, see **graph**, **dendrogram**
- clustermat, [MV] **clustermat**
 averagelinkage command, [MV] **cluster linkage**
 centroidlinkage command, [MV] **cluster linkage**
 completelinkage command, [MV] **cluster linkage**
 medianlinkage command, [MV] **cluster linkage**
 singlelinkage command, [MV] **cluster linkage**
 stop command, [MV] **cluster stop**
 wardslinkage command, [MV] **cluster linkage**
 waveragelinkage command, [MV] **cluster linkage**
- clusters, duplicating, [D] **expandcl**
- cmchoiceset command, [CM] **Intro 2**, [CM] **Intro 3**,
[CM] **cmchoiceset**
- cmclogit command, [CM] **Intro 1**, [CM] **Intro 5**,
[CM] **cmclogit**, [CM] **cmclogit postestimation**
- cmdlog
 close command, [R] **log**
 command, [R] **log**, [U] **15 Saving and printing**
 output—log files
 off command, [R] **log**
 on command, [R] **log**
 using command, [R] **log**
- Cmdyhm() function, [D] **Datetime**, [FN] **Date and**
 time functions, [M-5] **date()**
- cmh, power subcommand, [PSS-2] **power cmh**
- CMI assumption, see **conditional mean independence**
 assumption
- cmissing() option, [G-3] **cline_options**,
[G-3] **connect_options**
- cmmixlogit command, [CM] **Intro 1**, [CM] **Intro 5**,
[CM] **cmmixlogit**, [CM] **cmmixlogit**
 postestimation
- cmmprobit command, [CM] **Intro 1**, [CM] **Intro 5**,
[CM] **cmmprobit**, [CM] **cmmprobit**
 postestimation
- cmrologit command, [CM] **Intro 6**, [CM] **cmrologit**,
[CM] **cmrologit postestimation**
- cmroprobit command, [CM] **Intro 1**, [CM] **Intro 6**,
[CM] **cmroprobit**, [CM] **cmroprobit**
 postestimation
- cmsample command, [CM] **Intro 3**, [CM] **cmsample**
- cmset command, [CM] **Intro 2**, [CM] **Intro 3**,
[CM] **Intro 7**, [CM] **cmset**
- cmsummarize command, [CM] **Intro 3**,
[CM] **cmsummarize**
- cmtab command, [CM] **Intro 3**, [CM] **cmtab**
- cmxtmixlogit command, [CM] **Intro 1**, [CM] **Intro 7**,
[CM] **cmxtmixlogit**, [CM] **cmxtmixlogit**
 postestimation
- CMYK values, see **cyan**, **magenta**, **yellow**, and **key** or
 black (CMYK) values
- cnsreg command, [R] **cnsreg**, [R] **cnsreg**
 postestimation
- Cochran–Armitage test, [PSS-2] **power**, [PSS-2] **power**
 trend, [PSS-5] **Glossary**
- Cochran–Mantel–Haenszel test, [PSS-2] **power**,
[PSS-2] **power cmh**, also see **Mantel–Haenszel**
 test
- Cochran–Armitage test for trend, [R] **nptrend**
- Cochrane–Orcutt regression, [TS] **prais**, [TS] **Glossary**
- Cochran’s *Q* statistic, see *Q* statistic
- code
 pages, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**
 point, [D] **unicode encoding**, [D] **Glossary**,
 [P] **Glossary**, [U] **Glossary**
- code, timing, [P] **timer**
- codebook command, [D] **codebook**
- _coef [], [U] **13.5 Accessing coefficients and**
 standard errors
- coefficient alpha, [MV] **alpha**
- coefficient of determination, [PSS-2] **power**,
[PSS-2] **power rsquared**, [SEM] **estat**
 eggof, [SEM] **estat ggof**, [SEM] **estat gof**,
[SEM] **Example 4**, [SEM] **Example 21**,
[SEM] **Methods and formulas for sem**,
[SEM] **Glossary**
- coefficient of variation, [PSS-5] **Glossary**, [R] **prtest**,
[R] **table summary**, [R] **table**, [R] **tabstat**,
[R] **ztest**, [SVY] **estat**
- coefficient path, [LASSO] **coefpath**
- coefficient table, [P] **ereturn**, [RPT] **putdocx collect**,
[RPT] **putdocx table**, [RPT] **putexcel advanced**,
[RPT] **putpdf collect**, [RPT] **putpdf table**
- coefficients (from estimation),
 accessing, [P] **ereturn**, [P] **matrix get**,
 [U] **13.5 Accessing coefficients and standard**
 errors
 cataloging, [R] **estimates**
 estimated linear combinations, see **linear**
 combinations of parameters
 linear combinations of, see **linear combinations of**
 parameters
 nonlinear combinations of, see **nonlinear**
 combinations of parameters
 testing equality of, [R] **test**, [R] **testnl**
 transformed, see **transformed coefficients**
- coefficients of interest, see **covariates of interest**
- coefpath command, [LASSO] **coefpath**
- coeftabresults, set subcommand, [R] **set**
- coefvector, forecast subcommand, [TS] **forecast**
 coefvector
- Cofc() function, [D] **Datetime**, [FN] **Date and time**
 functions, [M-5] **date()**
- cofC() function, [D] **Datetime**, [FN] **Date and time**
 functions, [M-5] **date()**
- Cofd() function, [D] **Datetime**, [FN] **Date and time**
 functions, [M-5] **date()**
- cofd() function, [D] **Datetime**, [FN] **Date and time**
 functions, [M-5] **date()**
- Cohen’s *d*, [META] **meta esize**, [META] **Glossary**

cohort study, [PSS-1] **Intro**, [PSS-2] **Intro**
 (power), [PSS-2] **power**, [PSS-3] **ciwidth**,
 [PSS-5] **Glossary**, [R] **Epitab**, [ST] **ltable**,
 [ST] **stcox**, [ST] **stcurve**, [ST] **stir**, [ST] **stptime**,
 [ST] **strate**, [ST] **stsum**, [ST] **sttoce**

cointegrating vector, [TS] **Glossary**

cointegration, [TS] **fcast compute**, [TS] **fcast graph**,
 [TS] **vec intro**, [TS] **vec**, [TS] **vecldmar**,
 [TS] **vecnorm**, [TS] **vecrank**, [TS] **vecstable**
 test, [XT] **xtcointtest**

coleg macro function, [P] **macro**

coleg, matrix subcommand, [P] **matrix rownames**

colegnumb macro function, [P] **macro**

colegnumb() function, [FN] **Matrix functions**

colfullnames macro function, [P] **macro**

coljoinbyname, matrix subcommand, [P] **matrix**
rowjoinbyname

collapse command, [D] **collapse**

_collate() function, [M-5] **sort()**

collatorlocale() function, [FN] **String functions**

collatorversion() function, [FN] **String functions**

collect

- addtags command, [TABLES] **collect addtags**
- clear command, [D] **clear**, [TABLES] **collect clear**
- combine command, [TABLES] **collect combine**
- composite command, [TABLES] **collect composite**
- copy command, [TABLES] **collect copy**
- create command, [TABLES] **collect create**
- dims command, [TABLES] **Intro 3**,
 [TABLES] **collect dims**
- dir command, [TABLES] **collect dir**
- drop command, [TABLES] **collect drop**
- export command, [TABLES] **Intro 3**,
 [TABLES] **collect export**
- get command, [TABLES] **Intro 3**,
 [TABLES] **collect get**
- label dim command, [TABLES] **collect label**
- label drop command, [TABLES] **collect label**
- label levels command, [TABLES] **collect label**
- label list command, [TABLES] **collect label**
- label save command, [TABLES] **collect label**
- label use command, [TABLES] **collect label**
- layout command, [TABLES] **Intro 3**,
 [TABLES] **collect layout**
- levelsof command, [TABLES] **collect levelsof**
- notes command, [TABLES] **collect notes**
- preview command, [TABLES] **collect preview**
- query autolevels command, [TABLES] **collect**
query
- query cell command, [TABLES] **collect query**
- query column command, [TABLES] **collect query**
- query composite command, [TABLES] **collect**
query
- query _cons command, [TABLES] **collect query**
- query header command, [TABLES] **collect query**
- query html command, [TABLES] **collect query**
- query notes command, [TABLES] **collect query**
- query putdocx command, [TABLES] **collect query**

collect, *continued*

- query putpdf command, [TABLES] **collect query**
- query row command, [TABLES] **collect query**
- query showbase command, [TABLES] **collect**
query
- query showempty command, [TABLES] **collect**
query
- query showomit command, [TABLES] **collect**
query
- query stars command, [TABLES] **collect query**
- query table command, [TABLES] **collect query**
- query tex command, [TABLES] **collect query**
- query title command, [TABLES] **collect query**
- recode command, [TABLES] **collect recode**
- remap command, [TABLES] **collect remap**
- rename command, [TABLES] **collect rename**
- save command, [TABLES] **collect save**
- set command, [TABLES] **collect set**
- stars command, [TABLES] **collect stars**
- style autolevels command, [TABLES] **collect**
style autolevels
- style cell command, [TABLES] **collect style cell**
- style clear command, [TABLES] **collect style**
clear
- style column command, [TABLES] **collect style**
column
- style header command, [TABLES] **collect style**
header
- style html command, [TABLES] **collect style html**
- style notes command, [TABLES] **collect style**
notes
- style putdocx command, [TABLES] **collect style**
putdocx
- style putpdf command, [TABLES] **collect style**
putpdf
- style row command, [TABLES] **collect style row**
- style save command, [TABLES] **collect style save**
- style showbase command, [TABLES] **collect style**
showbase
- style showempty command, [TABLES] **collect**
style showempty
- style showomit command, [TABLES] **collect style**
showomit
- style table command, [TABLES] **collect style**
table
- style tex command, [TABLES] **collect style tex**
- style title command, [TABLES] **collect style**
title
- style use command, [TABLES] **collect style use**
- style _cons command, [TABLES] **collect style**
_cons
- title command, [TABLES] **collect title**
- use command, [TABLES] **collect use**

collect,

- putdocx subcommand, [RPT] **putdocx collect**
- putpdf subcommand, [RPT] **putpdf collect**

- collect prefix command, [TABLES] **Intro 3**,
[TABLES] **collect get**, [TABLES] **Example 2**,
[TABLES] **Example 4**, [TABLES] **Example 5**,
[TABLES] **Example 6**, [TABLES] **Example 7**
- collect statistics, [D] **statsby**
- collect_double, set subcommand, [TABLES] **set collect_double**
- collection, [R] **table**, [RPT] **putdocx collect**,
[RPT] **putexcel**, [RPT] **putpdf collect**,
[TABLES] **Intro**, [TABLES] **Intro 1**,
[TABLES] **Intro 2**, [TABLES] **Intro 3**,
[TABLES] **Intro 4**, [TABLES] **Intro 5**,
[TABLES] **Glossary**
- automatic levels, [TABLES] **collect get**,
[TABLES] **collect style autolevels**,
[TABLES] **Glossary**
- dimensions,
[TABLES] **Intro 2**, [TABLES] **Collection principles**, [TABLES] **Glossary**
- item, [TABLES] **Intro 2**, [TABLES] **Glossary**
- labels, [TABLES] **Intro 3**, [TABLES] **collect label**
- layout, [TABLES] **Intro**, [TABLES] **Intro 2**,
[TABLES] **collect layout**
- levels, [TABLES] **Intro 2**, [TABLES] **Collection principles**, [TABLES] **Glossary**
- queries, [TABLES] **collect query**
- tags, [TABLES] **Intro 2**, [TABLES] **Collection principles**, [TABLES] **Glossary**
- value, [TABLES] **Intro**, [TABLES] **Intro 2**,
[TABLES] **Glossary**
- collections,
adding custom table notes, [TABLES] **collect notes**
adding custom table title, [TABLES] **collect title**
adding significance stars, [TABLES] **collect stars**
cell appearance, [TABLES] **collect style cell**
clear all, [TABLES] **collect clear**
clearing styles, [TABLES] **collect style clear**
combining, [TABLES] **Intro 3**, [TABLES] **collect combine**
composing column headers, [TABLES] **Intro 3**,
[TABLES] **collect style column**
composing row headers, [TABLES] **Intro 3**,
[TABLES] **collect style row**
composing table headers, [TABLES] **collect style table**
controlling headers, [TABLES] **Intro 3**,
[TABLES] **collect style header**
copy, [TABLES] **collect copy**
creating, [TABLES] **collect create**
displaying levels automatically, [TABLES] **collect style autolevels**
displaying names of, [TABLES] **collect dir**
dropping, [TABLES] **collect drop**
exporting, [R] **etable**, [TABLES] **collect export**
HTML styles, [TABLES] **collect style html**
intercept position, [TABLES] **collect style _cons**
labeling dimensions, [TABLES] **collect label**
labeling levels, [TABLES] **collect label**
L^AT_EX styles, [TABLES] **collect style tex**
collections, *continued*
listing dimension levels, [TABLES] **Intro 3**,
[TABLES] **collect levelsof**
loading from disk, [TABLES] **collect use**
notes styles, [TABLES] **collect style notes**
PDF styles, [TABLES] **collect style putpdf**
predefined styles, [TABLES] **Predefined styles**
querying dimensions, [TABLES] **collect query**
querying levels, [TABLES] **collect query**
recoding dimension levels, [TABLES] **collect recode**
remapping tags, [TABLES] **collect remap**
renaming, [TABLES] **collect rename**
saving, [TABLES] **Intro 3**, [TABLES] **collect save**
saving styles, [TABLES] **Intro 3**, [TABLES] **collect style save**
setting current, [TABLES] **collect set**
showing base levels, [TABLES] **collect style showbase**
showing empty cells, [TABLES] **collect style showempty**
showing omitted variables, [TABLES] **collect style showomit**
survey data, [TABLES] **Example 7**
table preview, [TABLES] **collect preview**
title styles, [TABLES] **collect style title**
using saved styles, [TABLES] **collect style use**
Word styles, [TABLES] **collect style putdocx**
collect_label, set subcommand, [TABLES] **set collect_label**
collect_style, set subcommand, [TABLES] **set collect_style**
collect_warn, set subcommand, [TABLES] **set collect_warn**
collfnames macro function, [P] **macro**
collinear covariates, [LASSO] **Collinear covariates**
collinear variables, removing, [P] **_rmcoll**
collinearity,
display of omitted variables, [R] **set showbaselevels**
handling by **regress**, [R] **regress**
retaining collinear variables, [R] **Estimation options**,
[R] **orthog**
variance inflation factors, [R] **regress postestimation**
colmax() function, [M-5] **minmax()**
colmaxabs() function, [M-5] **minmax()**
colmin() function, [M-5] **minmax()**
colminmax() function, [M-5] **minmax()**
colmissing() function, [M-5] **missing()**
colnames macro function, [P] **macro**
colnames, matrix subcommand, [P] **matrix rownames**
colnfreeparms macro function, [P] **macro**
colnfreeparms() function, [FN] **Matrix functions**
colnfls macro function, [P] **macro**
colnonmissing() function, [M-5] **missing()**
colnumb macro function, [P] **macro**
colnumb() function, [FN] **Matrix functions**,
[P] **matrix define**
colon operators, [M-2] **op_colon**, [M-6] **Glossary**

- color, [G-2] [palette](#), [G-4] [colorstyle](#)
 - background, [G-4] [Schemes intro](#)
 - dimming and brightening, [G-2] [graph twoway histogram](#), [G-2] [graph twoway kdensity](#), [G-4] [colorstyle](#)
 - foreground, [G-4] [Schemes intro](#)
 - intensity adjustment, [G-2] [graph twoway histogram](#), [G-2] [graph twoway kdensity](#), [G-4] [colorstyle](#)
 - of bars, [G-3] [barlook_options](#)
 - of connecting lines, [G-3] [connect_options](#)
 - of markers, [G-3] [marker_options](#)
 - of pie slices, [G-2] [graph pie](#)
 - of text, [G-3] [textbox_options](#)
 - setting background and fill, [G-3] [region_options](#)
- color() option, [G-2] [graph twoway kdensity](#)
- color, [palette](#) subcommand, [G-2] [palette](#)
- color saturation, see [intensity](#), [color](#), [adjustment](#)
- colors, specifying in programs, [P] [display colorstyle](#), [G-4] [colorstyle](#), [G-4] [Glossary](#)
- cols() function, [M-5] [rows\(\)](#)
- colscalefactors() function, [M-5] [_equilrc\(\)](#)
- colshape() function, [M-5] [rowshape\(\)](#)
- colsof macro function, [P] [macro](#)
- colsof() function, [FN] [Matrix functions](#), [P] [matrix define](#)
- colsum() function, [M-5] [sum\(\)](#)
- _column(#), [display](#) directive, [P] [display](#)
- column stripes, [M-5] [st_matrix\(\)](#), [M-6] [Glossary](#)
- column-join operator, [M-2] [op_join](#)
- column-major order, [M-6] [Glossary](#)
- columns in graphs, [PSS-5] [Glossary](#)
- columns of matrix,
 - appending to, [P] [matrix define](#)
 - names of, [P] [ereturn](#), [P] [matrix define](#), [P] [matrix rowjoinbyname](#), [P] [matrix rownames](#), [U] [14.2 Row and column names](#)
 - operators on, [P] [matrix define](#)
 - selecting, [M-5] [select\(\)](#)
- colvarlist macro function, [P] [macro](#)
- colvector, [M-2] [Declarations](#), [M-6] [Glossary](#)
- comb() function, [FN] [Mathematical functions](#), [M-5] [comb\(\)](#)
- combination step, [MI] [Intro substantive](#), [MI] [mi estimate](#), [MI] [mi estimate using](#), [MI] [mi predict](#)
- combinatorial function, see [comb\(\)](#) function
- combinatorials, calculating, [FN] [Mathematical functions](#)
- combine
 - data, [D] [append](#), [D] [cross](#), [D] [frget](#), [D] [frlink](#), [D] [joinby](#), [D] [merge](#), [MI] [mi add](#), [MI] [mi append](#), [MI] [mi merge](#), [U] [23 Combining datasets](#)
 - graphs, [G-2] [graph combine](#)
- combine,
 - collect subcommand, [TABLES] [collect combine](#)
- combine, [graph](#) subcommand, [G-2] [graph combine](#)
- combined effect size, see [overall effect size](#)
- command
 - arguments, [P] [gettoken](#), [P] [syntax](#), [P] [tokenize](#), [U] [18.4 Program arguments](#)
 - language, [SEM] [Glossary](#), [U] [2 A brief description of Stata](#), [U] [11 Language syntax](#)
 - line, launching dialog box from, [R] [db](#)
 - parsing, [M-5] [tokenget\(\)](#), [M-5] [ustrsplit\(\)](#), [P] [gettoken](#), [P] [syntax](#), [P] [tokenize](#), [U] [18.4 Program arguments](#)
 - timing, [P] [rmsg](#), [P] [timer](#), [U] [8 Error messages and return codes](#)
- commands,
 - abbreviating, [U] [11.2 Abbreviation rules](#)
 - aborting, [P] [continue](#), [U] [9 The Break key](#), [U] [10 Keyboard use](#)
 - editing and repeating, [U] [10 Keyboard use](#)
 - immediate, [U] [19 Immediate commands](#), [U] [Glossary](#)
 - repeating automatically, [D] [by](#), [P] [byable](#), [P] [continue](#), [P] [foreach](#), [P] [forvalues](#), [P] [while](#)
 - reviewing, [R] [#review](#)
 - unabbreviating names of, [P] [unabcmd](#)
- commas, importing data separated by, [D] [import delimited](#), [D] [infile \(fixed format\)](#), [D] [infile \(free format\)](#)
- comments, [M-2] [Comments](#)
 - adding to programs, [P] [comments](#)
 - in programs, do-files, etc., [U] [16.1.2 Comments and blank lines in do-files](#), [U] [18.11.2 Comments and long lines in ado-files](#)
 - with data, [D] [notes](#)
- common, [estat](#) subcommand, [MV] [factor postestimation](#)
- common factors, [MV] [factor](#), [MV] [factor postestimation](#), [MV] [rotate](#), [MV] [Glossary](#)
- common odds ratio, [PSS-2] [power cmh](#), [PSS-5] [Glossary](#)
- common-effect meta-analysis model, [META] [Intro](#), [META] [meta esize](#), [META] [meta set](#), [META] [meta update](#), [META] [meta forestplot](#), [META] [meta galbraithplot](#), [META] [meta labbeplot](#), [META] [meta regress](#), [META] [meta funnelplot](#), [META] [meta trimfill](#), [META] [Glossary](#), also see [meta-analysis common-effect](#)
- communality, [MV] [factor](#), [MV] [factor postestimation](#), [MV] [Glossary](#)
- community-contributed additions,
 - installing, [R] [net](#), [R] [ssc](#)
 - searching for, [R] [net search](#), [R] [ssc](#)
- commutation matrix, [M-5] [Kmatrix\(\)](#)
- companion matrix, see [lag-polynomial matrix](#)
- comparative fit index, [SEM] [estat gof](#), [SEM] [Methods and formulas for sem](#)
- comparative scatterplot, [R] [dotplot](#)
- compare command, [D] [compare](#)

- compare, *estat* subcommand, [MV] **procrustes postestimation**
- compare two
files, [D] **cf**, [D] **checksum**
variables, [D] **compare**
- comparison
group, see **experimental group**
test between nested models, [R] **nestreg**
value, see **alternative value**
- compassdirstyle*, [G-4] **compassdirstyle**,
[G-4] **Glossary**
- compatibility of Stata programs across releases,
[P] **version**
- competing risks, [ST] **sterreg**, [ST] **Glossary**
- complementary
log-log regression, [BAYES] **bayes: mecloglog**,
[FMM] **fmm: cloglog**, [FMM] **fmm: glm**,
[ME] **mecloglog**, [R] **cloglog**, [R] **glm**,
[SEM] **Glossary**, [SVY] **svy estimation**,
[XT] **xtcloglog**, [XT] **xtgee**
- complete
data, [MI] **Glossary**
degrees of freedom for coefficients, [MI] **mi estimate**, [MI] **Glossary**
observations, [MI] **Glossary**
- complete-cases analysis, see **listwise deletion**
- complete-data analysis, [MI] **Glossary**
- completed data, see **imputed data**
- completed-data analysis, [MI] **Intro substantive**,
[MI] **mi estimate**, [MI] **Glossary**
- completelinkage,
cluster_{mat} subcommand, [MV] **cluster linkage**
cluster subcommand, [MV] **cluster linkage**
- complete-linkage clustering, [MV] **cluster**,
[MV] **cluster_{mat}**, [MV] **cluster linkage**,
[MV] **Glossary**
- completely determined outcomes, [R] **logit**
- complex, [M-2] **Declarations**, [M-6] **Glossary**
- component
analysis, [MV] **factor**, [MV] **pca**, [MV] **rotate**,
[MV] **rotatemat**
loading plot, [MV] **scoreplot**
plot, [MV] **scoreplot**
scores, [MV] **Glossary**
- component-plus-residual plot, [R] **regress postestimation diagnostic plots**
- composite, collect subcommand, [TABLES] **collect composite**
- composite style, see **style**
- compound double quotes, [P] **macro**, [U] **12.4.6 String literals**, [U] **18.3.5 Double quotes**
- compound symmetry, [PSS-5] **Glossary**
correlation matrix, [MV] **mvtest correlations**
covariance matrix, [MV] **mvtest covariances**
- compress command, [D] **compress**
- compress files, [D] **zipfile**
- compute,
bayesfcast subcommand, [BAYES] **bayesfcast compute**
fcast subcommand, [TS] **fcast compute**
- Comrey's tandem 1 and 2 rotations, [MV] **rotate**,
[MV] **rotatemat**, [MV] **Glossary**
- concat(), *egen* function, [D] **egen**
- concatenate strings, [FN] **String functions**,
[M-5] **invtokens()**, [U] **13.2.2 String operators**
- concentration-time curve, [R] **pk**
- concordance, *estat* subcommand, [ST] **stcox postestimation**
- concordance measures, [ST] **stcox postestimation**
- concordant pairs, [PSS-2] **power**, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**
- cond() function, [FN] **Programming functions**,
[M-5] **cond()**
- condition number, [M-5] **cond()**, [M-6] **Glossary**
- condition statement, see **if command**, see **if exp** qualifier
- conditional
conjugacy, see **semiconjugate prior**
fixed-effects model, [XT] **xtlogit**, [XT] **xtmlogit**,
[XT] **Glossary**
(fixed-effects) logistic regression, [SVY] **svy estimation**
- hazard function, [ME] **Glossary**, [XT] **Glossary**
- hazard ratio, [ME] **Glossary**, [XT] **Glossary**
- imputation, see **imputation**, conditional independence, [IRT] **Glossary**
- logistic regression, [CM] **cmclogit**, [CM] **cmrologit**,
[R] **clogit**, [R] **slogit**, [XT] **xtlogit**,
[XT] **xtmlogit**, [XT] **xtologit**, [XT] **xtstreg**
- marginal effects, [CM] **margins**, [R] **margins**,
[R] **marginsplot**
- margins, [CM] **margins**, [R] **margins**,
[R] **marginsplot**
- mean, [DSGE] **Glossary**, [ERM] **Glossary**,
[TE] **Glossary**
- mean independence assumption, [TE] **teffects intro advanced**
- normality, see **normality assumption**, conditional operator, [M-2] **op_conditional**
- overdispersion, [ME] **menbreg**, [ME] **Glossary**
- variance, [TS] **arch**, [TS] **Glossary**
- conditional-independence assumption, [TE] **teffects intro**, [TE] **teffects intro advanced**,
[TE] **Glossary**
- confidence interval, [PSS-3] **Intro (ciwidth)**,
[PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**,
[PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**,
[PSS-5] **Glossary**, [U] **20.8 Specifying the width of confidence intervals**
- for Bayesian analysis, [BAYES] **Intro**,
[BAYES] **Bayesian commands**
- for bioequivalence, [R] **pkequiv**

confidence interval, *continued*

- for bootstrap statistics, [R] **bootstrap**
postestimation, [R] **rocreg**, [R] **rocreg**
postestimation
- for combinations of coefficients,
 - linear, [R] **lincom**, [SEM] **lincom**
 - nonlinear, [R] **nlcom**, [SEM] **nlcom**
- for contrasts, [R] **contrast**
- for counts, [R] **ci**
- for cumulative hazard function, [ST] **sts list**
- for false-positive rates, [R] **rocregplot**
- for hazard ratios, [ST] **stcox**, [ST] **stintcox**,
[ST] **stintreg**, [ST] **streg**, [XT] **xtstreg**
- for incidence-rate ratios, [R] **cpoisson**,
[R] **exppoisson**, [R] **glm**, [R] **heckpoisson**,
[R] **nbreg**, [R] **poisson**, [R] **tnbreg**, [R] **tpoisson**,
[R] **zinb**, [R] **zip**, [ST] **stir**, [TE] **etpoisson**,
[XT] **xtgee**, [XT] **xtnbreg**, [XT] **xtpoisson**
- for intragroup correlations, [R] **loneway**
- for linear combinations, [SVY] **svy postestimation**
- for margins, [CM] **margins**, [R] **margins**
- for means, [R] **ci**, [R] **ameans**, [R] **esize**, [R] **mean**,
[R] **ttest**, [R] **ztest**
- for means and percentiles of survival time, [ST] **stci**
- for medians and percentiles, [R] **centile**
- for odds and risk ratios, [R] **Epitab**
- for odds ratios, [R] **exlogistic**, [R] **glm**, [R] **logistic**,
[R] **logit**, [R] **ologit**, [XT] **xtcloglog**, [XT] **xtgee**,
[XT] **xtlogit**, [XT] **xtologit**
- for proportions, [R] **ci**, [R] **proportion**
- for ratios, [R] **ratio**
- for relative-risk ratios, [R] **mlogit**, [XT] **xtmlogit**
- for ROC area, [R] **roccomp**, [R] **rocfit**, [R] **rocreg**,
[R] **roctab**
- for ROC values, [R] **rocregplot**
- for standard deviations, [R] **ci**
- for standardized mortality ratios, [R] **dstdize**,
[ST] **stptime**, [ST] **strate**
- for subhazard ratios, [ST] **stterreg**
- for survival rates, [ST] **ltable**
- for survivor function, [ST] **sts list**
- for tabulated proportions, [SVY] **svy: tabulate**
twoway
- for totals, [R] **total**
- for variances, [R] **ci**
- set default, [R] **level**
- with survey data, [SVY] **Variance estimation**

confidence level, [PSS-3] **Intro (ciwidth)**,
[PSS-3] **ciwidth**, [PSS-3] **ciwidth, graph**,
[PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth**
twomeans, [PSS-3] **ciwidth onevariance**,
[PSS-5] **Glossary**

confidence levels, [R] **level**

confidence limits, [PSS-3] **Intro (ciwidth)**,
[PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**,
[PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth**
onevariance, [PSS-5] **Glossary**

confidence-interval

half-width, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**
onemean, [PSS-3] **ciwidth twomeans**,
[PSS-5] **Glossary**

precision, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**,
[PSS-5] **Glossary**

curve, [PSS-3] **ciwidth**, [PSS-3] **ciwidth, graph**,
[PSS-5] **Glossary**

determination, [PSS-1] **Intro**, [PSS-3] **ciwidth**,
[PSS-3] **ciwidth, graph**, [PSS-3] **ciwidth**
onemean, [PSS-3] **ciwidth twomeans**,
[PSS-3] **ciwidth pairedmeans**,
[PSS-3] **ciwidth onevariance**,
[PSS-4] **Unbalanced designs**,
[PSS-5] **Glossary**

width, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**,
[PSS-3] **ciwidth, graph**, [PSS-3] **ciwidth**,
table, [PSS-3] **ciwidth onemean**,
[PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth**
pairedmeans, [PSS-3] **ciwidth onevariance**,
[PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

config, estat subcommand, [MV] **mds**
postestimation

configuration, [MV] **Glossary**

plot, [MV] **mds postestimation plots**,
[MV] **Glossary**

confirm

- existence command, [P] **confirm**
- file command, [P] **confirm**
- format command, [P] **confirm**
- frame command, [P] **confirm**
- matrix command, [P] **confirm**
- names command, [P] **confirm**
- number command, [P] **confirm**
- scalar command, [P] **confirm**
- variable command, [P] **confirm**

confirm, datasignature subcommand,
[D] **datasignature**

confirmatory factor analysis, [SEM] **Intro 5**,
[SEM] **Example 1**, [SEM] **Example 3**,
[SEM] **Example 15**, [SEM] **Example 27g**,
[SEM] **Example 30g**, [SEM] **Example 31g**,
[SEM] **Example 35g**, [SEM] **Glossary**

conformability, [M-2] **void**, [M-6] **Glossary**, *also see*
c-conformability, *also see* p-conformability, *also*
see r-conformability

confounder, *see* confounding variable

confounding, [R] **Epitab**, [ST] **Glossary**

confounding variable, [ERM] **Intro 3**, [ERM] **Glossary**

confusion matrix, [MV] **Glossary**, *also see* classification
table

_conj() function, [M-5] **conj()**

conj() function, [M-5] **conj()**

conjoint analysis, [CM] **cmrologit**

conjugate, [M-5] **conj()**, [M-6] **Glossary**

prior, [BAYES] **Intro**, [BAYES] **Bayesian**
commands, [BAYES] **bayesmh**,
[BAYES] **bayesgraph**, [BAYES] **Glossary**

conjugate, *continued*

transpose, [M-2] **op_transpose**, [M-5] **conj()**,
[M-6] **Glossary**

connect, **jdbc** subcommand, [D] **jdbc**

connect() option, [G-3] **cline_options**,
[G-3] **connect_options**, [G-4] **connectstyle**

connected, graph **twoway** subcommand, [G-2] **graph**
twoway connected

connectstyle, [G-4] **connectstyle**, [G-4] **Glossary**

conren, set subcommand, [R] **set**

console,

controlling scrolling of output, [P] **more**, [R] **more**

obtaining input from, [P] **display**

constant conditional-correlation model, [TS] **mgarch**,
[TS] **mgarch ccc**

constrained estimation, [R] **constraint**, [R] **Estimation**
options

ARCH, [TS] **arch**

ARFIMA, [TS] **arfima**

ARIMA and ARMAX, [TS] **arima**

beta regression, [R] **betareg**

censored Poisson regression, [R] **cpoisson**

choice model

conditional logistic, [CM] **cmlogit**

mixed logit, [CM] **cmmixlogit**,

[CM] **cmxtmixlogit**

multinomial probit, [CM] **cmmprobit**

nested logit, [CM] **nlogit**

rank-ordered probit, [CM] **cmroprobit**

competing risks, [ST] **sterreg**

complementary log-log regression, [R] **cloglog**

dynamic factor model, [TS] **dfactor**

dynamic stochastic general equilibrium,

[BAYES] **bayes: dsge**, [BAYES] **bayes: dsgenl**,

[DSGE] **dsge**, [DSGE] **dsgenl**

exponential regression, hurdle, [R] **churdle**

finite mixture models, [FMM] **fm**

fixed-effects models

logit, [XT] **xtlogit**

mlogit, [XT] **xtmlogit**

negative binomial, [XT] **xtnbreg**

Poisson, [XT] **xtpoisson**

fractional response regression, [R] **fracreg**

GARCH model, [TS] **mgarch ccc**, [TS] **mgarch**
dcc, [TS] **mgarch dvech**, [TS] **mgarch vcc**

generalized linear models, [R] **glm**

for binomial family, [R] **binreg**

generalized negative binomial regression, [R] **nbreg**

Heckman selection model, [R] **heckman**,

[XT] **xheckman**

heckpoisson regression, [R] **heckpoisson**

hurdle regression, [R] **churdle**

interval regression, [ERM] **eintreg**, [R] **intreg**

item response theory, [IRT] **irt, group()**, [IRT] **irt**
constraints

linear regression, [ERM] **eregress**,

[ERM] **Example 8a**, [R] **cnsreg**

heteroskedastic, [R] **hetregress**

constrained estimation, linear regression, *continued*

hurdle, [R] **churdle**

seemingly unrelated, [R] **sureg**

stochastic frontier, [R] **frontier**

three-stage least squares, [R] **reg3**

truncated, [R] **truncreg**

logistic regression, [R] **logistic**, [R] **logit**, *also see*
logit regression subentry

conditional, [R] **clogit**

multinomial, [R] **mlogit**

ordered, [R] **ologit**

skewed, [R] **scobit**

stereotype, [R] **slogit**

zero-inflated ordered, [R] **ziologit**

logit regression, [R] **logit**, *also see* **logistic regression**
subentry

Markov-switching model, [TS] **mswitch**

maximum likelihood estimation, [R] **ml**, [R] **mlexp**

multilevel mixed-effects, [ME] **mecloglog**,

[ME] **meglm**, [ME] **meintreg**, [ME] **melogit**,

[ME] **menbreg**, [ME] **meologit**,

[ME] **meoprobit**, [ME] **mepoisson**,

[ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,

[ME] **mixed**

multinomial

logistic regression, [R] **mlogit**

probit regression, [R] **mprobit**

negative binomial regression, [R] **nbreg**

truncated, [R] **tnbreg**

zero-inflated, [R] **zinb**

normalization, *see* **model identification**

ordered Heckman selection model, [R] **heckoprobit**

ordered probit regression, [ERM] **eoprobit**

parametric survival models, [ST] **stintreg**, [ST] **streg**

Poisson regression, [R] **poisson**

censored, [R] **cpoisson**

truncated, [R] **tpoisson**

zero-inflated, [R] **zip**

probit regression, [ERM] **eoprobit**, [R] **probit**

bivariate, [R] **biprobit**

heteroskedastic, [R] **hetprobit**

multinomial, [R] **mprobit**

ordered, [R] **hetoprobit**, [R] **oprobit**

with endogenous covariates, [R] **ivprobit**

with sample selection, [R] **heckprobit**

zero-inflated ordered, [R] **zioprobit**

programming, [P] **makeecs**

random-effects models

complementary log-log, [XT] **xtcloglog**

interval-data regression, [ERM] **eintreg**,
[XT] **xtintreg**

logit, [XT] **xtlogit**, [XT] **xtologit**

mlogit, [XT] **xtmlogit**

negative binomial, [XT] **xtnbreg**

parametric survival, [XT] **xtstreg**

Poisson, [XT] **xtpoisson**

probit, [XT] **xtoprobit**, [XT] **xtprobit**

constrained estimation, random-effects models,

continued

tobit, [XT] **xttobit**

with sample selection, [XT] **xtheckman**

spatial autoregressive models, [SP] **spregress**

state-space model, [TS] **sspace**

stochastic frontier models for panel data,

[XT] **xtfrontier**

structural equation modeling

across groups, [SEM] **Intro 6**

normalization, [SEM] **Intro 4**, [SEM] **gsem**,
[SEM] **sem**

relaxing, [SEM] **Intro 6**, [SEM] **sem and gsem**
path notation, [SEM] **sem path notation**
extensions

specifying, [SEM] **Intro 4**, [SEM] **Intro 6**,
[SEM] **sem and gsem option constraints()**,
[SEM] **sem and gsem option covstructure()**,
[SEM] **sem and gsem path notation**,
[SEM] **sem path notation extensions**

structural vector autoregressive models, [TS] **var**
svar

threshold regression model, [TS] **threshold**

tobit model, [R] **tobit**

tobit model with endogenous covariates, [R] **ivtobit**

treatment-effects model, [TE] **etpoisson**,

[TE] **etregress**

truncated

negative binomial regression, [R] **tnbreg**

Poisson regression, [R] **tpoisson**

regression, [R] **truncreg**

unobserved-components model, [TS] **ucm**

vector autoregressive models, [TS] **var**

vector error-correction models, [TS] **vec**

with endogenous covariates

probit regression, [R] **ivprobit**

tobit model, [R] **ivtobit**

zero-inflated

negative binomial regression, [R] **zlnb**

ordered logistic regression, [R] **ziologit**

ordered probit regression, [R] **zioprobit**

Poisson regression, [R] **zip**

constraint

command, [R] **constraint**

define command, [R] **constraint**

dir command, [R] **constraint**

drop command, [R] **constraint**

free command, [R] **constraint**

get command, [R] **constraint**

list command, [R] **constraint**

macro function, [P] **macro**

constraint matrix,

creating and displaying, [P] **makecns**

posting and displaying after estimation, [P] **ereturn**

constraints, [SEM] **Glossary**, *also see* **constrained**
estimation

constructor, [M-2] **class**

containers, [M-5] **asarray()**, [M-5] **AssociativeArray()**

containment DDF, *see* **denominator degrees of freedom**,
ANOVA

contents of data, [D] **codebook**, [D] **describe**, [D] **ds**,
[D] **labelbook**

context, class, [P] **class**

contiguity matrix, [SP] **Glossary**, *also see* **spatial**
weighting matrix

contingency table, [MV] **ca**, [PSS-2] **power**,
[PSS-2] **power pairedproportions**,
[PSS-2] **power cmh**, [PSS-2] **power mcc**,
[PSS-2] **power trend**, [R] **Epitab**, [R] **roctab**,
[R] **symmetry**, [R] **table oneway**, [R] **table**
twoway, [R] **table multiway**, [R] **table**,
[R] **tabulate twoway**, [SVY] **svy: tabulate**
twoway

—continue, display directive, [P] **display**

continue command, [P] **continue**

continuity correction, [PSS-2] **power cmh**,
[PSS-2] **power trend**

continuous

latent variable, [SEM] **Glossary**

parameters, [BAYES] **bayestest interval**,
[BAYES] **Glossary**

variable, [ERM] **Glossary**

variable imputation, *see* **imputation**, **continuous**

continuous-time autoregressive structure, [ME] **Glossary**

contour, graph twoway subcommand, [G-2] **graph**
twoway contour

contour plot, [G-2] **graph twoway contour**,
[G-3] **legend_option**

contour-line plot, [G-2] **graph twoway contourline**

contourline, graph twoway subcommand,

[G-2] **graph twoway contourline**

contract command, [D] **contract**

contrast command, [R] **anova postestimation**,

[R] **contrast**, [R] **contrast postestimation**,

[R] **margins**, **contrast**, [SEM] **Intro 7**,

[SVY] **svy postestimation**, [U] **20.19 Obtaining**
contrasts, **tests of interactions**, and **main effects**

contrasts, [CM] **margins**, [FMM] **Example 1c**,
[MV] **Intro**, [MV] **manova postestimation**,
[MV] **Glossary**, [PSS-5] **Glossary**, [R] **contrast**,
[R] **margins**, **contrast**, [R] **marginsplot**,
[U] **20.19 Obtaining contrasts**, **tests of**
interactions, and **main effects**

graphing, [U] **20.20 Graphing margins**, **marginal**
effects, and **contrasts**

control charts, [R] **QC**

control covariates, [LASSO] **Glossary**,
[PSS-5] **Glossary**

control group, [PSS-5] **Glossary**

correlation, *see* **correlation**, **control-group**

mean, *see* **means**, **control-group**

proportion, *see* **proportions**, **control-group**

sample size, *see* **sample-size**

standard deviation, *see* **standard deviations**, **control-**
group

variance, *see* **variance**, **control-group**

control line charts, [R] **QC**

- control variable, [DSGE] **Glossary**
 lag of, [DSGE] **Intro 4b**
- control variables, see **covariates of interest**
- controlled clinical trial study, [PSS-2] **power**,
 [PSS-3] **ciwidth**, [PSS-5] **Glossary**
- convergence, [DSGE] **Intro 7**, [SEM] **Intro 12**,
 [SEM] **sem**, [SEM] **sem and gsem option from()**
 criteria, [R] **Maximize**
 of MCMC, see **Markov chain Monte Carlo**,
convergence of
- conversion, file, [D] **changeool**, [D] **filefilter**
- convert
 between styles, [MI] **mi convert**
 dynamic Markdown file to HTML file,
 [RPT] **Dynamic documents intro**, [RPT] **dyndoc**
 dynamic Markdown file to Word document,
 [RPT] **Dynamic documents intro**,
 [RPT] **dyndoc**, [RPT] **markdown**
 HTML file to Word document, [RPT] **html2docx**
 Markdown file to HTML file, [RPT] **markdown**
 Word document to PDF file, [RPT] **docx2pdf**
- convert, **mi** subcommand, [MI] **mi convert**
- convolve() function, [M-5] **fft()**
- Cook–Weisberg test for heteroskedasticity, [R] **regress**
postestimation
- Cook’s *D*, [R] **glm postestimation**, [R] **regress**
postestimation
- coordinate system, [SP] **Intro 4**, [SP] **Glossary**
 latitude and longitude, [SP] **spset**
 explained, [SP] **spdistance**
 planar, [SP] **spset**
 explained, [SP] **spdistance**
- coordinates, **estat** subcommand, [MV] **ca**
postestimation, [MV] **mca postestimation**
- copy
 data, [D] **edit**
 graph, [G-2] **graph copy**
 variable, [D] **clonevar**, [D] **edit**
- copy,
 collect subcommand, [TABLES] **collect copy**
 frame subcommand, [D] **frame copy**
 graph subcommand, [G-2] **graph copy**
 label subcommand, [D] **label**
 mi subcommand, [MI] **mi copy**, [MI] **Styles**
 spmatrix subcommand, [SP] **spmatrix copy**
 ssc subcommand, [R] **ssc**
- .copy built-in class function, [P] **class**
- copy command, [D] **copy**
- copy macro function, [P] **macro**
- copycolor, **set** subcommand, [G-2] **set printcolor**,
 [R] **set**
- copyright
 Apache, [R] **Copyright Apache**
 autolink, [R] **Copyright autolink**
 Boost, [R] **Copyright Boost**
 flexmark, [R] **Copyright flexmark**
 H2O, [R] **Copyright H2O**
 copyright, *continued*
 Hamcrest, [R] **Copyright Hamcrest**
 ICD-10, [R] **Copyright ICD-10**
 ICU, [R] **Copyright ICU**
 JAXB, [R] **Copyright JAXB**
 JGoodies Common, [R] **Copyright JGoodies**
Common
 JGoodies Forms, [R] **Copyright JGoodies Forms**
 JSON for Modern C++, [R] **Copyright JSON**
 jsoup, [R] **Copyright jsoup**
 LAPACK, [R] **Copyright LAPACK**
 libHaru, [R] **Copyright libHaru**
 libpng, [R] **Copyright libpng**
 Mersenne Twister, [R] **Copyright Mersenne Twister**
 MiG Layout, [R] **Copyright MiG Layout**
 Parsington, [R] **Copyright Parsington**
 ReadStat, [R] **Copyright ReadStat**
 Scintilla, [R] **Copyright Scintilla**
 slf4j, [R] **Copyright slf4j**
 ttf2pt1, [R] **Copyright ttf2pt1**
 zlib, [R] **Copyright zlib**
- copyright command, [R] **copyright**
- Cornfield confidence intervals, [R] **Epitab**
- Corr() function, [M-5] **fft()**
- _corr() function, [M-5] **corr()**
- corr() function, [FN] **Matrix functions**, [M-5] **corr()**,
 [P] **matrix define**
- corr2data command, [D] **corr2data**
- correct data, see **edit data**
- correlate command, [R] **correlate**
- correlated errors, see **robust**, **Huber/White/sandwich**
estimator of variance, also see **autocorrelation**
- correlated uniqueness model, [SEM] **Intro 5**,
 [SEM] **Example 17**, [SEM] **Glossary**
- correlation, [M-5] **corr()**, [M-5] **mean()**, [R] **correlate**,
 [TABLES] **Example 1**
 between paired observations, [PSS-2] **power**
pairedmeans, [PSS-2] **power pairedproportions**,
 [PSS-3] **ciwidth pairedmeans**
- binary variables, [R] **tetrachoric**
- canonical, [MV] **canon**
- coefficient of exposure, [PSS-2] **power mcc**
- compound symmetric, [MV] **mvtest correlations**
- continuous variables, [R] **correlate**
- control-group, [PSS-2] **power twocorrelations**
- data generation, [D] **corr2data**, [D] **drawnorm**
- experimental-group, [PSS-2] **power twocorrelations**
- factoring of, [MV] **factor**
- independent, see **correlation**, **two-sample**
- interitem, [MV] **alpha**
- intraclass, see **intraclass correlation**
- intracluster, [R] **loneway**
- Kendall’s rank, [R] **spearman**
- matrices, [MV] **mvtest correlations**, [P] **matrix**
define, [R] **correlate**, [R] **estat**, [R] **estat vce**
- matrix, anti-image, [MV] **factor postestimation**,
 [MV] **pca postestimation**
- model, [SEM] **Intro 5**, [SEM] **Glossary**

correlation, *continued*

- one-sample, [PSS-2] [power onecorrelation](#), [PSS-2] [power oneslope](#)
- pairwise, [R] [correlate](#)
- partial and semipartial, [PSS-2] [power pcorr](#), [R] [pcorr](#)
- principal components of, [MV] [pca](#)
- serial, [R] [runtest](#)
- signal processing, [M-5] [fft\(\)](#)
- similarity measure, [MV] [measure_option](#)
- Spearman's rank, [R] [spearman](#)
- structure, [CM] [cmmprobit](#), [CM] [cmroprobit](#), [R] [reg3](#), [XT] [xtcloglog](#), [XT] [xtgee](#), [XT] [xtgls](#), [XT] [xtlogit](#), [XT] [xtnbreg](#), [XT] [xtpcse](#), [XT] [xtpoisson](#), [XT] [xtprobit](#), [XT] [xtreg](#), [XT] [xtstreg](#), [XT] [Glossary](#)
- testing equality, [MV] [mvtest correlations](#)
- tests of, [SEM] [estat stdize](#), [SEM] [Example 16](#)
- tetrachoric, [R] [tetrachoric](#)
- two-sample, [PSS-2] [power twocorrelations](#)

correlation, estat subcommand, [CM] [cmmprobit postestimation](#), [CM] [cmroprobit postestimation](#)

correlation() function, [M-5] [mean\(\)](#)

correlations,

- estat subcommand, [MV] [canon postestimation](#), [MV] [discrim lda postestimation](#), [MV] [discrim qda postestimation](#), [MV] [mds postestimation](#)

mvtest subcommand, [MV] [mvtest correlations](#)

correlogram, [TS] [corrgram](#), [TS] [Glossary](#)

correspondence analysis, [MV] [ca](#), [MV] [mca](#), [MV] [Glossary](#)

correspondence analysis projection, [MV] [ca postestimation plots](#), [MV] [Glossary](#)

corrgram command, [TS] [corrgram](#)

cos() function, [FN] [Trigonometric functions](#), [M-5] [sin\(\)](#)

cosh() function, [FN] [Trigonometric functions](#), [M-5] [sin\(\)](#)

cosine

- functions, [FN] [Trigonometric functions](#), [M-5] [sin\(\)](#)

trace kernel function, [G-2] [graph twoway kdensity](#), [G-2] [graph twoway lpoly](#), [R] [kdensity](#), [R] [lpoly](#), [R] [npregress kernel](#), [R] [qreg](#), [TE] [tebalance density](#), [TE] [teoverlap](#)

cost frontier model, [R] [frontier](#), [XT] [xtfrontier](#)

costs, [MV] [Glossary](#)

count command, [D] [count](#)

count data,

- confidence intervals for counts, [R] [ci](#)
- estimation, see [outcomes](#), [count](#)
- graphs, [R] [histogram](#), [R] [kdensity](#), [R] [spikeplot](#)
- imputation, see [imputation](#), [count data](#)
- interrater agreement, [R] [kappa](#)
- summary statistics of, [R] [table summary](#), [R] [table](#), [R] [tabstat](#), [R] [tabulate oneway](#), [R] [tabulate twoway](#), [R] [tabulate, summarize\(\)](#)

count data, *continued*

- symmetry and marginal homogeneity tests, [R] [symmetry](#)

count(), egen function, [D] [egen](#)

count model, see [outcomes](#), [count](#)

count, ml subcommand, [R] [ml](#)

counterfactual, [ERM] [Intro 7](#), [ERM] [eprobit postestimation](#), [ERM] [Glossary](#), [TE] [Glossary](#), also see [potential outcome](#)

- predictions, [ERM] [Intro 7](#), [ERM] [eprobit postestimation](#), [ERM] [Glossary](#)

counts, making dataset of, [D] [collapse](#)

count-time data, [ST] [ct](#), [ST] [ctset](#), [ST] [cttost](#), [ST] [sttost](#), [ST] [Glossary](#), [SVY] [svy estimation](#)

courses about Stata, [U] [3.6 Conferences and training](#)

covariance, [SEM] [Intro 4](#), [SEM] [Glossary](#)

analysis of, [R] [anova](#)

assumptions, [SEM] [gsem](#), [SEM] [sem](#)

creating dataset from, see [summarize data](#), [summary statistics](#)

matrix of estimators, [P] [ereturn](#), [P] [matrix get](#), [R] [estat](#), [R] [estat vce](#), [R] [estimates store](#)

matrix,

- anti-image, [MV] [factor postestimation](#), [MV] [pca postestimation](#)

block diagonal, [MV] [mvtest covariances](#)

spherical, [MV] [mvtest covariances](#)

testing equality, [MV] [mvtest covariances](#)

of variables or coefficients, [R] [correlate](#)

principal components of, [MV] [pca](#)

stationary, [TS] [arfima](#), [TS] [arima](#), [TS] [estat aroots](#), [TS] [var intro](#), [TS] [var](#), [TS] [Glossary](#), also see [weakly stationary](#)

structure, [ME] [me](#), [ME] [Glossary](#), [XT] [xtmlogit](#)

covariance, estat subcommand, [CM] [cmmprobit postestimation](#), [CM] [cmroprobit postestimation](#), [DSGE] [estat covariance](#), [MV] [discrim lda postestimation](#), [MV] [discrim qda postestimation](#)

covariances, mvtest subcommand, [MV] [mvtest covariances](#)

covariate, [ERM] [Intro 3](#), [ERM] [Glossary](#), [SP] [Glossary](#), [ST] [Glossary](#)

balance, [TE] [tebalance box](#), [TE] [tebalance density](#), [TE] [tebalance overid](#), [TE] [tebalance summarize](#)

class, [D] [duplicates](#)

endogenous, [ERM] [Intro 3](#)

patterns, [R] [logistic postestimation](#), [R] [logit postestimation](#), [R] [probit postestimation](#)

covariate selection, [LASSO] [Glossary](#)

covariates, [LASSO] [Glossary](#)

covariates of interest, [LASSO] [Glossary](#)

covarimin rotation, [MV] [rotate](#), [MV] [rotatemat](#), [MV] [Glossary](#)

COVRATIO, [R] [regress postestimation](#)

cox, power subcommand, [PSS-2] [power cox](#)

- Cox proportional hazards model, [BAYES] **bayesmh** evaluators, [PSS-2] **power cox**, [ST] **stcox**, [ST] **stintcox**, [SVY] **svy estimation**
- test of assumption, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**, [ST] **stsplit**
- Cox–Snell residual, [ST] **stcox postestimation**, [ST] **stintreg postestimation**, [ST] **streg postestimation**
- cpoisson** command, [R] **cpoisson**, [R] **cpoisson postestimation**
- cprplot** command, [R] **regress postestimation diagnostic plots**
- Cragg hurdle regression, [R] **churdle**
- Cramér’s *V*, [R] **tabulate twoway**
- Crawford–Ferguson rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- CRD, see **cluster randomized design**
- create**,
- bayesirf** subcommand, [BAYES] **bayesirf create**
 - bcal** subcommand, [D] **bcal**
 - collect** subcommand, [TABLES] **collect create**
 - forecast** subcommand, [TS] **forecast create**
 - frame** subcommand, [P] **frame post**
 - frame** subcommand, [D] **frame create**
 - irf** subcommand, [TS] **irf create**
 - rserset** subcommand, [P] **rserset**
 - spmatrix** subcommand, [SP] **spmatrix create**
 - vl** subcommand, [D] **vl create**
- create_cspline**, **rserset** subcommand, [P] **rserset**
- create_xmedians**, **rserset** subcommand, [P] **rserset**
- credible interval, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesstats summary**, [BAYES] **Glossary**
- set default, [BAYES] **set cleavel**
- credible level, [BAYES] **Intro**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats summary**, [BAYES] **set cleavel**, [BAYES] **Glossary**
- creturn list** command, [P] **creturn**
- crexternal()** function, [M-5] **findexternal()**
- critical
- region, see **rejection region**
 - value, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [PSS-2] **power onevariance**, [PSS-5] **Glossary**
- Cronbach’s alpha, [MV] **alpha**
- cross** command, [D] **cross**
- cross()** function, [M-5] **cross()**
- cross product, [M-5] **cross()**, [M-5] **crossdev()**, [M-5] **quadcross()**
- cross-correlation function, [TS] **xcorr**, [TS] **Glossary**
- cross-correlogram, [TS] **xcorr**
- crossdev()** function, [M-5] **crossdev()**
- crossed variables, [MV] **Glossary**
- crossed-effects model, [BAYES] **bayes: mecloglog**, [BAYES] **bayes: meglm**, [BAYES] **bayes: meintreg**, [BAYES] **bayes: melogit**, [BAYES] **bayes: menbreg**, [BAYES] **bayes: meologit**, [BAYES] **bayes: meoprobit**, [BAYES] **bayes: meopoisson**, [BAYES] **bayes: meprobit**, [BAYES] **bayes: mestreg**, [BAYES] **bayes: metobit**, [BAYES] **bayes: mixed**, [ME] **me**, [ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**, [ME] **melogit**, [ME] **menbreg**, [ME] **meologit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**, [ME] **mixed**, [ME] **Glossary**, [SEM] **Example 40g**, [SEM] **Glossary**
- crossed-random effects, see **crossed-effects model**
- cross-fit partialing out, [LASSO] **Lasso inference intro**, [LASSO] **Inference examples**, [LASSO] **Inference requirements**, [LASSO] **xpoivregress**, [LASSO] **xpologit**, [LASSO] **xpoeissson**, [LASSO] **xporegress**, [LASSO] **Glossary**
- cross-fitting, [LASSO] **Glossary**
- crossing variables, [MV] **Glossary**
- crossover designs, [BAYES] **bayesmh**, [R] **pk**, [R] **pkcross**, [R] **pkshape**
- cross-product matrices, [P] **matrix accum**
- cross-sectional
- data, [ERM] **Glossary**, [SP] **Glossary**, [XT] **Glossary**, also see **area data study**, [PSS-2] **power**, [PSS-3] **ciwidth**, [PSS-5] **Glossary**, [R] **Epitab**
 - time-series data, [XT] **Glossary**
- cross-tabulations, see **tables**
- cross-validation, [LASSO] **Inference examples**, [LASSO] **lasso examples**, [LASSO] **lasso fitting**, [LASSO] **Glossary**
- function, [LASSO] **lasso fitting**, [LASSO] **Glossary**
 - mean deviance, [LASSO] **Glossary**
 - ratio, [LASSO] **Glossary**
 - mean prediction error, [LASSO] **Glossary**
 - plot, [LASSO] **cvplot**
- cross-variable, [BAYES] **Glossary**
- cross-variables
- first-lag coefficients, [BAYES] **Glossary**
 - tightness parameter, [BAYES] **Glossary**
- CRT, see **cluster randomized design**
- crude estimate, [R] **Epitab**, [ST] **Glossary**
- cs** command, [R] **Epitab**
- csi** command, [R] **Epitab**
- .csv filename suffix, [D] **import delimited**
- ct** command, [ST] **ctset**
- ct** data, [ST] **Glossary**, also see **count-time data**

ctable,
 bayesirf subcommand, [BAYES] **bayesirf ctable**
 irf subcommand, [TS] **irf ctable**
 ctset command, [ST] **ctset**
 cttost command, [ST] **cttost**
 cubic natural splines, [M-5] **spline3()**
 cumsp command, [TS] **cumsp**
 cumul command, [R] **cumul**
 cumulative
 distribution functions, [FN] **Statistical functions**,
 [M-5] **normal()**
 distribution, empirical, [R] **cumul**
 hazard function, [ST] **stcurve**, [ST] **sts**, [ST] **sts**
 generate, [ST] **sts graph**, [ST] **sts list**,
 [ST] **Glossary**, [TE] **Glossary**
 hazard ratio, see **hazard ratio**
 incidence
 data, [R] **Epitab**, [R] **heckpoisson**, [R] **poisson**
 estimator, [ST] **sterreg**, [ST] **Glossary**
 function, [ST] **sterreg**, [ST] **stcurve**,
 [ST] **Glossary**
 meta-analysis, [META] **Intro**, [META] **meta**
 forestplot, [META] **meta summarize**,
 [META] **Glossary**
 overall effect sizes, [META] **Intro**,
 [META] **Glossary**
 spectral distribution, empirical, [TS] **cumsp**,
 [TS] **psdensity**
 subhazard function, [ST] **sterreg**, [ST] **stcurve**,
 [ST] **Glossary**
 current collection, [TABLES] **Intro 2**,
 [TABLES] **Glossary**
 current data, [P] **creturn**
 current status data, see **case I interval-censored data**
 curse of dimensionality, [MV] **Glossary**
 curved path, [SEM] **Glossary**
 custom prediction equations, [MI] **mi impute chained**,
 [MI] **mi impute monotone**
 cusum
 plot, [BAYES] **Intro**, [BAYES] **bayesgraph**,
 [BAYES] **Glossary**, [R] **cusum**
 test, [R] **cusum**, [TS] **estat sbcusum**
 cusum command, [R] **cusum**
 CUSUM plot, see **cusum plot**
 cut(), **egen** function, [D] **egen**
 cutil, see **classutil**
 Cuzick test for trend, [R] **nptrend**
 CV, see **cross-validation**
 cv, **estat** subcommand, [SVY] **estat**
 cvpermute() function, [M-5] **cvpermute()**
 cvpermutesetup() function, [M-5] **cvpermute()**
 cvplot command, [LASSO] **cvplot**
 cwf command, [D] **frame change**
 _CX and _CY variables, [SP] **spset**
 cyan, magenta, yellow, and key or black (CMYK)
 values, [G-4] **colorstyle**, [G-4] **Glossary**

cyclical component, [TS] **tsfilter**, [TS] **tsfilter bk**,
 [TS] **tsfilter bw**, [TS] **tsfilter cf**, [TS] **tsfilter hp**,
 [TS] **ucm**, [TS] **Glossary**

D

DA, see **data augmentation**
 daily() function, [FN] **Date and time functions**
 dashed lines, [G-4] **linepatternstyle**
 data
 augmentation, [MI] **mi impute**, [MI] **mi impute**
 mvn, [MI] **Glossary**
 entry, see **import data**, see **input data interactively**,
 see **read data from disk**
 matrix, [M-5] **st_data()**, [M-5] **st_view()**,
 [M-6] **Glossary**
 reduction, [MV] **ca**, [MV] **canon**, [MV] **factor**,
 [MV] **mds**, [MV] **pca**
 signature, [D] **datasignature**, [P] **_datasignature**,
 [P] **signestimationsample**
 transfer, see **export data**, see **import data**
 types, [D] **Data types**, [U] **12 Data**
 data,
 appending, see **append data**
 area, see **area data**
 autocorrelated, see **autocorrelation**
 case-cohort, see **case-cohort data**
 case-control, see **case-control data**
 categorical, see **categorical data**, **agreement**,
 measures for, see **categorical data**
 certifying, see **certify data**
 characteristics of, see **characteristics**
 checksums of, see **checksums of data**
 choice model, see **choice model data**
 combining, see **combine data**
 contents of, see **contents of data**
 count-time, see **count-time data**
 cumulative incidence data, see **cumulative incidence**
 data
 current, see **current data**
 discrete survival, see **discrete survival data**
 displaying, see **display data**
 documenting, see **document data**
 editing, see **edit data**
 entering, see **import data**, see **input data interactively**
 exporting, see **export data**
 extended missing values, see **missing values**
 flong MI style, see **flong MI data style**
 flongsep MI style, see **flongsep MI data style**
 frames, see **frames**
 generating, see **generate data**
 importing, see **import data**
 inputting, see **import data**, see **input data**
 interactively, see **read data from disk**
 labeling, see **label data**
 large, dealing with, see **memory**
 listing, see **list data**

data, *continued*

- loading, see [import data](#), see [input data interactively](#), see [use data](#)
- long format, see [long data format](#)
- matched case-control, see [matched case-control data](#)
- missing values, see [missing values](#)
- mlong MI style, see [mlong MI data style](#)
- multiple-failure st, see [multiple-failure st data](#)
- multiple-record st, see [multiple-record st data](#)
- nested case-control, see [nested case-control data](#)
- observational, see [observational data](#)
- preserving, see [preserve data](#)
- range of, see [range of data](#)
- ranking, see [rank data](#)
- reading, see [import data](#), see [load data](#), see [read data from disk](#)
- recoding, see [recode data](#)
- rectangularizing, see [rectangularize dataset](#)
- reordering, see [reorder data](#)
- reorganizing, see [reorganize data](#)
- restoring, see [restore data](#)
- sampling, see [sampling](#)
- saving, see [export data](#), see [save data](#)
- single-failure st, see [survival analysis](#)
- single-record st, see [survival analysis](#)
- stacking, see [stack data](#)
- strings, see [string variables](#)
- summarizing, see [summarize data](#)
- survey, see [survey data](#)
- survival-time, see [survival analysis](#)
- time-series, see [time-series data](#), [importing](#)
- time-span, see [time-span data](#)
- transposing, see [transpose data](#)
- verifying, see [verify data](#)
- wide format, see [wide data format](#)
- wide MI style, see [wide MI data style](#)

Data Browser, see [Data Editor](#)

Data Editor, [D] [edit](#), [U] [12.9 Data Editor and Variables Manager](#)

data frame manipulation, [M-5] [st_frame*\(\)](#)

data label macro function, [P] [macro](#)

data, label subcommand, [D] [label](#)

data-have-changed flag, [M-5] [st_update\(\)](#)

database, importing from, [D] [jdbc](#), [D] [odbc](#)

data-generating

- mechanism, [LASSO] [Glossary](#)
- process, [LASSO] [Glossary](#)

dataset,

- adding notes to, [D] [notes](#)
- comparing, [D] [cf](#), [D] [checksum](#)
- creating, [D] [corr2data](#), [D] [drawnorm](#)
- example, [U] [1.2.2 Example datasets](#)
- loading, see [import data](#), see [input data interactively](#), see [use data](#)
- multiple, [D] [frames](#)
- rectangularize, [D] [fillin](#)
- saving, see [export data](#), see [save data](#)

- dataset labels, [D] [label](#), [D] [label language](#), [D] [notes](#)
- determining, [D] [codebook](#), [D] [describe](#)
- managing, [D] [varmanage](#)

[datasignature](#)

- clear command, [D] [datasignature](#)
- command, [D] [datasignature](#), [SEM] [Example 25](#), [SEM] [ssd](#)
- confirm command, [D] [datasignature](#)
- report command, [D] [datasignature](#)
- set command, [D] [datasignature](#)

[_datasignature](#) command, [P] [_datasignature](#)

date

- formats, [U] [12.5.3 Date and time formats](#), [U] [25.3 Displaying dates and times](#)
- functions, [U] [25.5 Extracting components of dates and times](#)
- in Excel format, [D] [Datetime values from other software](#)
- in OpenOffice format, [D] [Datetime values from other software](#)
- in R format, [D] [Datetime values from other software](#)
- in SAS format, [D] [Datetime values from other software](#)
- in SPSS format, [D] [Datetime values from other software](#)
- variables, [U] [25 Working with dates and times](#)
- with business calendars, see [business calendars](#)

date and time, [D] [Datetime](#), [D] [Datetime business calendars](#), [D] [Datetime business calendars creation](#), [D] [Datetime conversion](#), [D] [Datetime display formats](#), [D] [Datetime durations](#), [D] [Datetime relative dates](#), [D] [Datetime values from other software](#), [M-5] [c\(\)](#), [M-5] [date\(\)](#), [P] [creturn](#)

inputting, [U] [25.2 Inputting dates and times](#)

stamp, [D] [describe](#)

date and time functions, [M-4] [Dates](#)

[date\(\)](#) function, [D] [Datetime](#), [D] [Datetime conversion](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)

[datediff\(\)](#) function, [D] [Datetime durations](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)

[datediff_frac\(\)](#) function, [D] [Datetime durations](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)

[datelist](#), [U] [11.1.9 datelist](#)

[datepart\(\)](#) function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)

Davidon-Fletcher-Powell algorithm, [M-5] [moptimize\(\)](#), [M-5] [optimize\(\)](#), [R] [ml](#)

[day\(\)](#) function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#), [U] [25.5 Extracting components of dates and times](#)

[daysinmonth\(\)](#) function, [D] [Datetime relative dates](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)

db command, [R] [db](#)

dbase,

- export subcommand, [D] [import dbase](#)
- import subcommand, [D] [import dbase](#)

- dBase, importing from, [D] **import dbase**
- .dbf filename suffix, [D] **import dbase**
- .dbf files, [SP] **Intro 4**, [SP] **spbalance**, [SP] **spsshape2dta**, *also see* **shapefiles**
- dcc, **mgarch** subcommand, [TS] **mgarch dcc**
- .dct file, [D] **import**, [D] **infile (fixed format)**, [D] **infix (fixed format)**, [D] **outfile**, [U] **11.6** **Filenaming conventions**
- DDD, *see* **difference-in-difference-in-differences regression**
- DDF, *see* **denominator degrees of freedom**
- debugging, [P] **discard**, [P] **pause**, [P] **trace**
- decimal symbol, setting, [D] **format**
- declarations, [M-2] **Declarations**, [M-6] **Glossary**
- .Declare built-in class modifier, [P] **class**
- declare, class, [P] **class**
- decode command, [D] **encode**
- decomposition, [M-5] **cholesky()**, [M-5] **fullsvd()**, [M-5] **ghessenbergd()**, [M-5] **gschurd()**, [M-5] **hessenbergd()**, [M-5] **ldl()**, [M-5] **lud()**, [M-5] **qrd()**, [M-5] **schurd()**, [M-5] **svd()**
- deconvolve() function, [M-5] **fft()**
- decrement operator, [M-2] **op_increment**
- default settings of system parameters, [P] **set locale_functions**, [P] **set locale_ui**, [R] **query**, [R] **set_defaults**
- defective matrix, [M-6] **Glossary**
- DEFF, *see* **design effects**
- define,
 - char** subcommand, [P] **char**
 - constraint** subcommand, [R] **constraint**
 - label** subcommand, [D] **label**
 - matrix** subcommand, [P] **matrix define**
 - program** subcommand, [P] **program**, [P] **program properties**
 - scalar** subcommand, [P] **scalar**
 - transmap** subcommand, [R] **translate**
- DEFT, *see* **design effects**
- degree-of-freedom adjustment, [SEM] **Glossary**
- degrees of freedom, [MI] **mi estimate**, [MI] **mi predict**
 - for coefficients, complete, *see* **complete degrees of freedom for coefficients**, *also see* **estimation**, **degrees of freedom for coefficients**
- degree-to-radian conversion, [FN] **Trigonometric functions**
- delete, *see* **drop**
 - casewise, *see* **casewise deletion**
 - listwise, *see* **listwise deletion**
- delete, **cluster** subcommand, [MV] **cluster programming utilities**
- #delimit** command, [M-2] **Semicolons**, [P] **#delimit**
- delimited,
 - export** subcommand, [D] **import delimited**
 - import** subcommand, [D] **import delimited**
- delimiter
 - for comments, [P] **comments**
 - for lines, [P] **#delimit**
- delta, [PSS-5] **Glossary**, *also see* **effect size**
 - beta influence statistic, [R] **clogit postestimation**, [R] **logistic postestimation**, [R] **logit postestimation**
 - χ^2 influence statistic, [R] **clogit postestimation**, [R] **logistic postestimation**, [R] **logit postestimation**
 - deviance influence statistic, [R] **clogit postestimation**, [R] **logistic postestimation**, [R] **logit postestimation**
 - method, [R] **margins**, [R] **nlcom**, [R] **predictnl**, [R] **testnl**, [SEM] **estat residuals**, [SEM] **estat teffects**, [SVY] **Variance estimation**, [SVY] **Glossary**
- dendrogram, *see* **graph**, **dendrogram**
- dendrogram, **cluster** subcommand, [MV] **cluster dendrogram**
- denominator degrees of freedom
 - ANOVA, [ME] **mixed**, [ME] **Glossary**
 - Kenward–Roger, [ME] **mixed**, [ME] **Glossary**
 - repeated, [ME] **mixed**, [ME] **Glossary**
 - residual, [ME] **mixed**, [ME] **Glossary**
 - Satterthwaite, [ME] **mixed**, [ME] **Glossary**
- density
 - estimation, kernel, [R] **kdensity**
 - functions, [M-5] **normal()**
 - smoothing, [R] **lpoly**
- density, **tebalance** subcommand, [TE] **tebalance density**
- density-distribution sunflower plot, [R] **sunflower**
- dependent variable, [ERM] **Glossary**, [SP] **Glossary**
- dereferencing, [M-2] **ftof**, [M-2] **pointers**, [M-6] **Glossary**
- _deriv() function, [M-5] **deriv()**
- deriv() function, [M-5] **deriv()**
- derivative of incomplete gamma function, [FN] **Mathematical functions**, [FN] **Statistical functions**, [M-5] **normal()**
- derivatives, [M-5] **deriv()**
 - numeric, [R] **dydx**, [R] **testnl**
- derived plottypes, [G-3] **advanced_options**
- deriv_init() functions, [M-5] **deriv()**
- deriv_init_*() functions, [M-5] **deriv()**
- deriv_query() function, [M-5] **deriv()**
- deriv_result_*() functions, [M-5] **deriv()**
- DerSimonian–Laird method, [META] **meta esize**, [META] **Glossary**
- describe
 - graph** contents, [G-2] **graph describe**
 - mi** data, [MI] **mi describe**
 - panel** data, [XT] **xtdescribe**
 - survey** data, [SVY] **svydescribe**
 - survival-time** data, [ST] **stdescribe**

describe,

- ado subcommand, [R] [net](#)
- bayesirf subcommand, [BAYES] [bayesirf](#)
- bcal subcommand, [D] [bcal](#)
- classutil subcommand, [P] [classutil](#)
- estimates subcommand, [R] [estimates describe](#)
- forecast subcommand, [TS] [forecast describe](#)
- graph subcommand, [G-2] [graph describe](#)
- irf subcommand, [TS] [irf describe](#)
- jdbc subcommand, [D] [jdbc](#)
- mata subcommand, [M-3] [mata describe](#)
- mi subcommand, [MI] [mi describe](#)
- net subcommand, [R] [net](#)
- odbc subcommand, [D] [odbc](#)
- putdocx subcommand, [RPT] [putdocx begin](#), [RPT] [putdocx table](#)
- putexcel subcommand, [RPT] [putexcel](#), [RPT] [putexcel advanced](#)
- putpdf subcommand, [RPT] [putpdf begin](#)
- python subcommand, [P] [PyStata integration](#)
- ssc subcommand, [R] [ssc](#)
- ssd subcommand, [SEM] [ssd](#)

describe command, [D] [describe](#), [U] [12.6 Dataset, variable, and value labels](#)

descriptive statistics,

- CIs for means, proportions, and variances, [R] [ci](#)
- correlations, [R] [correlate](#), [R] [icc](#), [R] [pcorr](#), [R] [spearman](#), [R] [tetrachoric](#)
- creating dataset containing, [D] [collapse](#)
- creating variables containing, [D] [egen](#)
- displaying, [CM] [Intro 3](#), [CM] [cmsummarize](#), [D] [codebook](#), [D] [pctile](#), [R] [grmeanby](#), [R] [lv](#), [R] [summarize](#), [XT] [xtsum](#), [XT] [xttab](#)
- distributional plots, [G-2] [graph box](#), [R] [Diagnostic plots](#), [R] [dotplot](#), [R] [histogram](#), [R] [ladder](#), [R] [spikeplot](#), [R] [sunflower](#)
- epidemiological tables, [R] [EpiTab](#)
- estimation, [R] [mean](#), [R] [proportion](#), [R] [ratio](#), [R] [total](#)
- estimation sample, [R] [estat summarize](#), [SEM] [estat summarize](#)
- graphics, [G-2] [graph bar](#), [G-2] [graph box](#), [G-2] [graph dot](#), [G-2] [graph matrix](#), [G-2] [graph pie](#), [G-2] [graph twoway](#), [R] [serrbar](#), [R] [stem](#), *also see* descriptive statistics, distributional plots
- means, [CM] [cmsummarize](#), [R] [ameans](#), [R] [summarize](#), [R] [table summary](#), [R] [table](#), [R] [tabstat](#)
- percentiles, [CM] [cmsummarize](#), [D] [pctile](#), [R] [centile](#), [R] [summarize](#)
- pharmacokinetic data,
 - make dataset of, [R] [pkcollapse](#)
 - summarize, [R] [pksum](#)
- skewness and kurtosis, [CM] [cmsummarize](#), [R] [summarize](#), [R] [table summary](#), [R] [table](#), [R] [tabstat](#)

descriptive statistics, *continued*

- tables, [R] [table oneway](#), [R] [table twoway](#), [R] [table multiway](#), [R] [table summary](#), [R] [table](#), [R] [tabstat](#), [R] [tabulate oneway](#), [R] [tabulate twoway](#), [R] [tabulate, summarize\(\)](#), [SVY] [svy: tabulate oneway](#), [SVY] [svy: tabulate twoway](#)
- design, [fvset](#) subcommand, [R] [fvset](#)
- design effects, [R] [loneway](#), [SVY] [estat](#), [SVY] [svy: tabulate oneway](#), [SVY] [svy: tabulate twoway](#), [SVY] [Glossary](#)
- design matrix, [M-5] [designmatrix\(\)](#), [M-5] [I\(\)](#)
- [designmatrix\(\)](#) function, [M-5] [designmatrix\(\)](#)
- [destring](#) command, [D] [destring](#)
- [destroy\(\)](#) function, [M-2] [class](#)
- destructor, [M-2] [class](#), [P] [class](#)
- [det\(\)](#) function, [FN] [Matrix functions](#), [M-5] [det\(\)](#), [P] [matrix define](#)
- detail style, *see* [style](#)
- determinant of matrix, *see* [det\(\)](#) function
- deterministic trend, [TS] [tsfilter](#), [TS] [ucm](#), [TS] [Glossary](#)
- [dettriangular\(\)](#) function, [M-5] [det\(\)](#)
- deviance, [LASSO] [Glossary](#)
 - null, [LASSO] [Glossary](#)
 - ratio, [LASSO] [Glossary](#)
- deviance information criterion, [BAYES] [Bayesian commands](#), [BAYES] [bayesstats ic](#), [BAYES] [Glossary](#)
- deviance residual, [ME] [mecnloglog postestimation](#), [ME] [meglm postestimation](#), [ME] [melogit postestimation](#), [ME] [menbreg postestimation](#), [ME] [mepoisson postestimation](#), [ME] [meprobit postestimation](#), [R] [binreg postestimation](#), [R] [glm postestimation](#), [R] [logistic postestimation](#), [R] [logit postestimation](#), [R] [mfp postestimation](#), [R] [probit postestimation](#), [ST] [stcox postestimation](#), [ST] [streg postestimation](#)
- deviation cross product, [M-5] [crossdev\(\)](#), [M-5] [quadcross\(\)](#)
- dexponential, [tssmooth](#) subcommand, [TS] [tssmooth exponential](#)
- df, [estat](#) subcommand, [ME] [estat df](#)
- [dfactor](#) command, [TS] [dfactor](#), [TS] [dfactor postestimation](#)
- DFBETA, [R] [regress postestimation](#), [ST] [stcox postestimation](#), [ST] [sterreg postestimation](#), [ST] [Glossary](#)
- [dfbeta](#) command, [R] [regress postestimation](#)
- [dfglis](#) command, [TS] [dfglis](#)
- DFITS, [R] [regress postestimation](#)
- DFP algorithm, [R] [ml](#)
- [dfuller](#) command, [TS] [dfuller](#)
- [dgamma pda\(\)](#) function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- [dgamma pda dda\(\)](#) function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

- `dgammapdadx()` function, [FN] **Statistical functions**, [M-5] **normal()**
- `dgammapdx()` function, [FN] **Statistical functions**, [M-5] **normal()**
- `dgammapdxdx()` function, [FN] **Statistical functions**, [M-5] **normal()**
- DGM, see **data-generating mechanism**
- DGP, see **data-generating process**
- `dhms()` function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- `_diag()` function, [M-5] **_diag()**
- `diag()` function, [FN] **Matrix functions**, [M-5] **diag()**, [P] **matrix define**
- `diag0cnt()` function, [FN] **Matrix functions**, [M-5] **diag0cnt()**, [P] **matrix define**
- diagnosis codes, [D] **icd**, [D] **icd9**, [D] **icd10**, [D] **icd10cm**
- diagnostic plots, [BAYES] **bayesgraph**, [R] **Diagnostic plots**, [R] **logistic postestimation**, [R] **regress postestimation diagnostic plots**, [ST] **stcox PH-assumption tests**, [ST] **stintcox PH-assumption plots**, [TE] **tebalance box**, [TE] **tebalance density**, [TS] **estat aroots**, [TS] **varstable**, [TS] **vecstable**
- diagnostics, regression, see **regression diagnostics**
- diagonal, [M-5] **diagonal()**, [M-6] **Glossary**
- matrix, [M-5] **_diag()**, [M-5] **diag()**, [M-5] **diagonal()**, [M-5] **isdiagonal()**, [M-6] **Glossary**, [P] **matrix define**
- vech model, [TS] **mgarch**, [TS] **mgarch dveh**
- `diagonal()` function, [M-5] **diagonal()**
- dialog
- box, [P] **Dialog programming**, [P] **window programming**, [P] **window fopen**, [P] **window manage**, [P] **window menu**, [P] **window push**, [P] **window stopbox**, [R] **db**
- programming, [P] **Dialog programming**, [P] **window programming**, [P] **window fopen**, [P] **window manage**, [P] **window menu**, [P] **window push**, [P] **window stopbox**
- DIC, see **deviance information criterion**
- Dice coefficient similarity measure, [MV] **measure_option**
- dichotomous item, [IRT] **Glossary**
- dichotomous outcome model, see **outcomes**, **binary**
- Dickey–Fuller test, [TS] **dfgls**, [TS] **dfuller**
- dictionaries, [D] **export**, [D] **import**, [D] **infile (fixed format)**, [D] **infix (fixed format)**, [D] **outfile**, [M-5] **asarray()**, [M-5] **AssociativeArray()**
- DID, see **difference-in-differences regression**
- `didregress` command, [TE] **didregress**, [TE] **didregress postestimation**
- DIF, see **differential item functioning**
- `diff()`, **egen** function, [D] **egen**
- difference of estimated coefficients, see **linear combinations of parameters**
- difference operator, [TS] **Glossary**, [U] **11.4.4 Time-series varlists**
- difference-in-difference-in-differences regression, [TE] **DID intro**, [TE] **didregress**
- difference-in-differences regression, [TE] **DID intro**, [TE] **didregress**
- differences of two means test, [SVY] **svy postestimation**
- differential item functioning, [IRT] **DIF**, [IRT] **Glossary**
- logistic regression, [IRT] **diflogistic**
- Mantel–Haenszel, [IRT] **difmh**
- differentiation, [M-5] **deriv()**
- difficulty, [IRT] **Glossary**
- diflogistic command, [IRT] **DIF**, [IRT] **diflogistic**
- difmh command, [IRT] **DIF**, [IRT] **difmh**
- digamma() function, [FN] **Mathematical functions**, [M-5] **factorial()**
- digitally signing data, see **datasignature** command
- digits, controlling the number displayed, [D] **format**, [U] **12.5 Formats: Controlling how data are displayed**
- dilation, [MV] **procrustes**, [MV] **Glossary**
- dimension, [MV] **Glossary**
- diminishing adaptation, [BAYES] **bayesmh**, [BAYES] **Glossary**
- dims,
- collect subcommand, [TABLES] **collect dims**
- dir,
- ado subcommand, [R] **net**
- bcal subcommand, [D] **bcal**
- classutil subcommand, [P] **classutil**
- cluster subcommand, [MV] **cluster utility**
- collect subcommand, [TABLES] **collect dir**
- constraint subcommand, [R] **constraint**
- _estimates subcommand, [P] **_estimates**
- estimates subcommand, [R] **estimates store**
- frames subcommand, [D] **frames dir**
- graph subcommand, [G-2] **graph dir**
- label subcommand, [D] **label**
- macro subcommand, [P] **macro**
- matrix subcommand, [P] **matrix utility**
- postutil subcommand, [P] **postfile**
- program subcommand, [P] **program**
- _return subcommand, [P] **_return**
- scalar subcommand, [P] **scalar**
- setset subcommand, [P] **setset**
- spmatrix subcommand, [SP] **spmatrix drop**
- sysuse subcommand, [D] **sysuse**
- vl subcommand, [D] **vl list**
- `dir` command, [D] **dir**
- `dir()` function, [M-5] **dir()**
- `dir` macro function, [P] **macro**
- direct
- effects, see **effects**, **direct**
- impacts, [SP] **spivregress postestimation**, [SP] **spregress postestimation**, [SP] **spxtregress postestimation**
- standardization, [R] **dstdize**, [R] **mean**, [R] **proportion**, [R] **ratio**, [SVY] **Direct standardization**, [SVY] **Glossary**

- direction of an effect, [PSS-2] **power**
- directional test, see one-sided test (power)
- directories, [M-5] **chdir()**, [M-5] **dir()**,
[M-5] **direxists()**, [P] **creturn**,
[U] **11.6 Filenaming conventions**,
[U] **18.3.11 Constructing Windows filenames by using macros**
- changing, [D] **cd**
- creating, [D] **mkdir**
- listing, [D] **dir**
- location of ado-files, [U] **17.5 Where does Stata look for ado-files?**
- removing, [D] **rmdir**
- directory, class, [P] **classutil**
- direxists()** function, [M-5] **direxists()**
- direxternal()** function, [M-5] **direxternal()**
- discard**
command, [P] **discard**, [U] **18.11.3 Debugging ado-files**
- discard**, relationship to graph drop, [G-2] **graph drop**
- discordant
pairs, [PSS-2] **power**, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**
- proportion, [PSS-2] **power**, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**
- sets, [PSS-2] **power mcc**, [PSS-5] **Glossary**
- discrete choice, [CM] **Glossary**
- discrete parameters, [BAYES] **bayestest interval**, [BAYES] **Glossary**
- discrete survival data, [ST] **Discrete**
- discrete-response regression, [SVY] **svy estimation**
- discrim**
knn command, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim knn**, [MV] **discrim knn postestimation**
- lda command, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim lda**, [MV] **discrim lda postestimation**
- logistic command, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim logistic**, [MV] **discrim logistic postestimation**
- qda command, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim qda**, [MV] **discrim qda postestimation**
- discriminant analysis, [MV] **candisc**, [MV] **discrim**, [MV] **discrim knn**, [MV] **discrim lda**, [MV] **discrim logistic**, [MV] **discrim qda**, [MV] **Glossary**
- loading plot, [MV] **scoreplot**
- score plot, [MV] **scoreplot**
- discriminant function, [MV] **discrim**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **Glossary**
- discriminating variables, [MV] **candisc**, [MV] **discrim knn**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **discrim logistic**, [MV] **discrim qda**, [MV] **Glossary**
- discrimination, [IRT] **Glossary**
- disparity, [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**, [MV] **Glossary**
- dispersion, measures of, see measures of dispersion
- display**, *also see printing, logs (output)*
as error, [M-5] **displayas()**, [M-5] **errprintf()**
as text, as result, etc., [M-5] **displayas()**
- column, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**
- contents, [D] **describe**
- data, [D] **edit**, [D] **list**
- files, [D] **type**
- format, [D] **Glossary**, [U] **Glossary**
- formats, [D] **describe**, [D] **format**, [P] **macro**, [U] **12.5 Formats: Controlling how data are displayed**, [U] **25.3 Displaying dates and times**
- graph, [G-2] **graph display**
- long strings, see string variables, long
- macros, [P] **macro**
- matrix, [P] **matrix utility**
- named graphs, [G-2] **graph display**, [G-2] **graph use**
- output, [P] **display**, [P] **quietly**, [P] **smcl**, [P] **tabdisp**
- previously typed lines, [R] **#review**
- scalar expressions, [P] **display**, [P] **scalar**
- settings, [R] **set showbaselevels**
- stored results, [R] **Stored results**
- width and length, [R] **log**
- display**
command, [P] **display**, [P] **macro**, [U] **19.1.2 A list of the immediate commands**
as a calculator, [R] **display**
- macro function, [P] **display**
- display**,
ereturn subcommand, [P] **ereturn**
- graph subcommand, [G-2] **graph display**
- ml subcommand, [R] **ml**
- display()** function, [M-5] **display()**
- displayas()** function, [M-5] **displayas()**
- displayflush()** function, [M-5] **displayflush()**
- dissimilarity, [MV] **Glossary**
matrix, [MV] **matrix dissimilarity**, [MV] **Glossary**, [P] **matrix dissimilarity**
- measures,
[MV] **cluster**, [MV] **cluster programming utilities**, [MV] **matrix dissimilarity**, [MV] **mds**, [MV] **measure_option**, [MV] **Glossary**, [P] **matrix dissimilarity**
- absolute value, [MV] **measure_option**
- Bray and Curtis, [MV] **clustermat**
- Canberra, [MV] **measure_option**
- Euclidean, [MV] **measure_option**
- Gower, [MV] **measure_option**
- maximum value, [MV] **measure_option**
- Minkowski, [MV] **measure_option**
- dissimilarity, matrix subcommand, [MV] **matrix dissimilarity**, [P] **matrix dissimilarity**
- distance, see dissimilarity measures
how calculated, [SP] **spdistance**

- distance matrix, [MV] **matrix dissimilarity**, [P] **matrix dissimilarity**, [SP] **Glossary**, *also see* spatial weighting matrix
- distances, estat subcommand, [MV] **ca postestimation**
- distribution functions, [FN] **Statistical functions**, [M-5] **normal()**
- distributional diagnostic plots, [R] **Diagnostic plots**, *also see* histograms, *also see* distributions, plots
- distributions,
- examining, [D] **pctile**, [R] **ameans**, [R] **centile**, [R] **kdensity**, [R] **mean**, [R] **pksumm**, [R] **summarize**, [R] **total**
 - income, [R] **Inequality**
 - plots, [R] **cumul**, [R] **cusum**, [R] **Diagnostic plots**, [R] **dotplot**, [R] **histogram**, [R] **kdensity**, [R] **ladder**, [R] **lv**, [R] **spikeplot**, [R] **stem**, [R] **sunflower**
 - standard population, [R] **dstdize**
 - testing equality of, [R] **ksmirnov**, [R] **kwallis**, [R] **ranksum**, [R] **signrank**
 - testing for normality, [MV] **mvtest normality**, [R] **sktest**, [R] **swilk**
 - transformations
 - to achieve normality, [R] **boxcox**, [R] **ladder**
 - to achieve zero skewness, [R] **lnskew0**
- disturbance term, [XT] **Glossary**
- division operator, *see* arithmetic operators
- divisive hierarchical clustering methods, [MV] **cluster**, [MV] **Glossary**
- DLL, [P] **plugin**
- Dmatrix() function, [M-5] **Dmatrix()**
- DML, *see* double machine learning
- do command, [R] **do**, [U] **16 Do-files**
- .do file, [U] **11.6 Filenaming conventions**
- do ... while, [M-2] **do**, [M-2] **continue**, [M-2] **break**
- dockable, set subcommand, [R] **set**
- document data, [D] **codebook**, [D] **labelbook**, [D] **notes**
- document, dynamic, *see* dynamic document
- documentation, [U] **1 Read this—it will help**, [U] **3 Resources for learning and using Stata**
- keyword search on, [R] **search**, [U] **4 Stata's help and search facilities**
- _docx*() functions, [M-5] **_docx*()**
- docx2pdf command, [RPT] **docx2pdf**
- docx_hardbreak, set subcommand, [R] **set**, [RPT] **set docx**
- docx_paramode, set subcommand, [R] **set**, [RPT] **set docx**
- doedit command, [R] **doedit**
- dofb() function, [D] **Datetime business calendars**, [FN] **Date and time functions**, [M-5] **date()**
- dofC() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- dofc() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- dofh() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- do-files, [P] **break**, [P] **include**, [P] **version**, [R] **do**, [U] **16 Do-files**, [U] **18.2 Relationship between a program and a do-file**
- adding comments to, [P] **comments**
 - editing, [R] **doedit**
 - long lines, [P] **#delimit**, [U] **18.11.2 Comments and long lines in ado-files**
- dofm() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- dofq() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- dofw() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- dofy() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- domain sampling, [MV] **alpha**
- Doornik–Hansen normality test, [MV] **mvtest normality**
- dose–response models, [BAYES] **bayes: binreg**, [BAYES] **bayes: glm**, [BAYES] **bayes: logistic**, [FMM] **fmm: glm**, [R] **binreg**, [R] **glm**, [R] **logistic**
- dose–response trend, [PSS-2] **power**, [PSS-2] **power trend**
- dot,
- graph subcommand, [G-2] **graph dot**
 - graph twoway subcommand, [G-2] **graph twoway dot**
- dot plot, [G-2] **graph dot**, [G-2] **graph twoway dot**, [G-3] **area_options**, [G-3] **line_options**, [R] **dotplot**
- dotplot command, [R] **dotplot**
- dots, set subcommand, [R] **set**
- dotted lines, [G-4] **linepatternstyle**
- double, [D] **Data types**, [U] **12.2.2 Numeric storage types**
- double machine learning, [LASSO] **Lasso inference intro**, [LASSO] **xpovregress**, [LASSO] **xpologit**, [LASSO] **xpipoisson**, [LASSO] **xporegress**, [LASSO] **Glossary**
- double quotes, [P] **macro**, [U] **18.3.5 Double quotes**
- double selection, [LASSO] **Lasso inference intro**, [LASSO] **dsglfit**, [LASSO] **dspoisson**, [LASSO] **dsregress**, [LASSO] **Inference examples**, [LASSO] **Inference requirements**, [LASSO] **Glossary**
- doublebuffer, set subcommand, [R] **set**
- double-exponential smoothing, [TS] **tssmooth dexponential**
- double-precision floating point number, [U] **12.2.2 Numeric storage types**
- doubly robust estimator, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **teffects ipwra**, [TE] **telasso**, [TE] **Glossary**
- dow() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**, [U] **25.5 Extracting components of dates and times**
- doy() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**

- dp, set subcommand, [D] **format**, [R] **set**
- drawnorm command, [D] **drawnorm**
- drift, [TS] **dfuller**, [TS] **pperron**, [TS] **tsfilter**, [TS] **tsfilter cf**, [TS] **Glossary**
- drop
- class instances, [P] **classutil**
 - cluster analyses, [MV] **cluster utility**
 - constraints, [R] **constraint**
 - files, [D] **erase**, [M-5] **unlink()**
 - forecast variable, [TS] **forecast drop**
 - graphs, [G-2] **graph drop**
 - macro from memory, [P] **macro**
 - matrix, [M-3] **mata drop**, [P] **matrix utility**
 - note, [D] **notes**
 - observations, [D] **drop**, [D] **duplicates**, [M-5] **st_dropvar()**, also see duplicate observations, dropping
 - programs, [P] **discard**
 - stored estimation results, [R] **estimates store**
 - value label, [D] **label**
 - variables, [D] **drop**, [M-5] **st_dropvar()**
 - weighting matrices, [SP] **spmatrix drop**
- drop,
- duplicates** subcommand, [D] **duplicates**
 - bayesirf** subcommand, [BAYES] **bayesirf**
 - classutil** subcommand, [P] **classutil**
 - cluster notes** subcommand, [MV] **cluster notes**
 - cluster** subcommand, [MV] **cluster utility**
 - collect** subcommand, [TABLES] **collect drop**
 - constraint** subcommand, [R] **constraint**
 - _estimates** subcommand, [P] **_estimates**
 - estimates** subcommand, [R] **estimates store**
 - forecast** subcommand, [TS] **forecast drop**
 - frame** subcommand, [D] **frame drop**
 - graph** subcommand, [G-2] **graph drop**
 - irf** subcommand, [TS] **irf drop**
 - label** subcommand, [D] **label**
 - macro** subcommand, [P] **macro**
 - mata** subcommand, [M-3] **mata drop**
 - matrix** subcommand, [P] **matrix utility**
 - notes** subcommand, [D] **notes**
 - program** subcommand, [P] **program**
 - python** subcommand, [P] **PyStata integration**
 - _return** subcommand, [P] **_return**
 - scalar** subcommand, [P] **scalar**
 - set** subcommand, [P] **set**
 - spmatrix** subcommand, [SP] **spmatrix drop**
 - vl** subcommand, [D] **vl drop**
- drop command, [D] **drop**
- dropline, graph twoway subcommand, [G-2] **graph twoway dropline**
- dropout, [PSS-5] **Glossary**
- dropped observations, [SP] **Intro 2**
- ds, [LASSO] **Glossary**
- ds command, [D] **ds**
- DSGE, see dynamic stochastic general equilibrium
- dsge command, [DSGE] **Intro 1**, [DSGE] **Intro 2**, [DSGE] **Intro 3a**, [DSGE] **Intro 3b**, [DSGE] **Intro 3c**, [DSGE] **dsge**, [DSGE] **dsge postestimation**, [DSGE] **dsge1 postestimation**
- dsge1 command, [DSGE] **Intro 1**, [DSGE] **Intro 3d**, [DSGE] **Intro 3e**, [DSGE] **Intro 3f**, [DSGE] **dsge1**
- dsign() function, [M-5] **dsign()**, [M-5] **sign()**
- dslogit command, [LASSO] **dslogit**, [LASSO] **Inference examples**, [LASSO] **lasso inference postestimation**
- dsipoisson command, [LASSO] **dsipoisson**, [LASSO] **Inference examples**, [LASSO] **lasso inference postestimation**
- dsregress command, [LASSO] **dsregress**, [LASSO] **Inference examples**, [LASSO] **lasso inference postestimation**
- dstdize command, [R] **dstdize**
- .dta file, [P] **File formats .dta**, [U] **11.6 Filenaming conventions**
- .dtasig file, [U] **11.6 Filenaming conventions**
- dual scaling, [MV] **ca**
- Duda and Hart index stopping rules, [MV] **cluster stop**
- dummy variables, see indicator variables, see indicators
- Duncan's multiple-comparison adjustment, see multiple comparisons, Duncan's method
- dunnettprob() function, [FN] **Statistical functions**, [M-5] **normal()**
- Dunnett's multiple comparison adjustment, see multiple comparisons, Dunnett's method
- Dunnett's multiple range distribution, cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- _dup(#), display directive, [P] **display**
- duplicate observations,
- dropping, [D] **duplicates**
 - identifying, [D] **duplicates**
- duplicates
- drop command, [D] **duplicates**
 - examples command, [D] **duplicates**
 - list command, [D] **duplicates**
 - report command, [D] **duplicates**
 - tag command, [D] **duplicates**
- duplicating
- clustered observations, [D] **expandcl**
 - observations, [D] **expand**
- duplication matrix, [M-5] **Dmatrix()**
- duration analysis, see survival analysis
- Durbin-Watson statistic, [R] **regress postestimation time series**, [TS] **prais**
- durbinalt, estat subcommand, [R] **regress postestimation time series**
- Durbin's alternative test, [R] **regress postestimation time series**
- dvech, mgarch subcommand, [TS] **mgarch dvech**
- dwatson, estat subcommand, [R] **regress postestimation time series**

dyadic operator, [M-2] **Syntax**, [M-6] **Glossary**

dydx command, [R] **dydx**

dynamic

conditional-correlation model, [TS] **mgarch**,
[TS] **mgarch dcc**

document, [RPT] **Dynamic documents intro**,
[RPT] **Dynamic tags**, [RPT] **dyndoc**,
[RPT] **dyntext**, [RPT] **markdown**,
[RPT] **Glossary**, [U] **21.2 The dynamic
document commands**

factor model, [TS] **dfactor**, [TS] **dfactor
postestimation**, *also see* state-space model

forecast, [BAYES] **bayesfcst graph**,
[DSGE] **Glossary**, [TS] **arch**, [TS] **arfima**,
[TS] **fcst compute**, [TS] **fcst graph**,
[TS] **forecast**, [TS] **forecast adjust**, [TS] **forecast
clear**, [TS] **forecast coefvector**, [TS] **forecast
create**, [TS] **forecast describe**, [TS] **forecast
drop**, [TS] **forecast estimates**, [TS] **forecast
exogenous**, [TS] **forecast identity**, [TS] **forecast
list**, [TS] **forecast query**, [TS] **forecast solve**,
[TS] **mgarch**, [TS] **Glossary**, [U] **20.21 Dynamic
forecasts and simulations**

model, [XT] **Glossary**

panel-data regression, [U] **27.15.6 Dynamic
and autoregressive panel-data models**,
[U] **27.15.7 Bayesian estimation**, [XT] **xtabond**,
[XT] **xtdpd**, [XT] **xtdpdsys**

regression model, [TS] **arfima**, [TS] **arima**,
[TS] **var**

stochastic

general equilibrium, [BAYES] **bayes: dsge**,
[BAYES] **bayes: dsgenl**, [DSGE] **Intro 1**,
[DSGE] **Intro 3a**, [DSGE] **Intro 3b**,
[DSGE] **Intro 3c**, [DSGE] **Intro 3d**,
[DSGE] **Intro 3e**, [DSGE] **Intro 3f**,
[DSGE] **Intro 9**, [DSGE] **Intro 9a**,
[DSGE] **Intro 9b**, [DSGE] **dsge**, [DSGE] **dsgenl**,
[DSGE] **Glossary**, [U] **27.28 Dynamic stochastic
general equilibrium (DSGE) models**

structural simultaneous equations, [TS] **var svar**

tags, [RPT] **Dynamic documents intro**,
[RPT] **Dynamic tags**, [RPT] **dyndoc**,
[RPT] **dyntext**, [RPT] **Glossary**, [U] **21.2 The
dynamic document commands**

text file, [RPT] **Dynamic tags**, [RPT] **dyntext**,
[RPT] **Glossary**

text files, [RPT] **Dynamic documents intro**

dynamic-multiplier function, [BAYES] **bayesirf**,
[TS] **irf**, [TS] **irf cgraph**, [TS] **irf create**,
[TS] **irf ctable**, [TS] **irf ograph**, [TS] **irf table**,
[TS] **var intro**, [TS] **Glossary**

.dynamicmv built-in class function, [P] **class**

dyndoc command, [RPT] **dyndoc**

dyngen command, [D] **dyngen**

dyntext command, [RPT] **dyntext**

E

e()

function, [FN] **Programming functions**, [M-5] **e()**
stored results, [P] **ereturn**, [P] **_estimates**,
[P] **return**, [R] **Stored results**,
[U] **18.8 Accessing results calculated by other
programs**, [U] **18.9 Accessing results calculated
by estimation commands**, [U] **18.10.2 Storing
results in e()**

e(functions) macro function, [P] **macro**

e(macros) macro function, [P] **macro**

e(matrices) macro function, [P] **macro**

e(sample) function, [FN] **Programming functions**,
[P] **ereturn**, [P] **return**

e(sample), resetting, [R] **estimates save**

e(scalars) macro function, [P] **macro**

EB, *see* empirical Bayes

EBCDIC files, [D] **filefilter**, [D] **infile (fixed format)**,
[U] **22.2.9 If you have EBCDIC data**

e-class command, [P] **program**, [P] **return**, [R] **Stored
results**, [U] **18.8 Accessing results calculated by
other programs**

economist scheme, [G-3] **axis_options**, [G-4] **Scheme
economist**

edit

ado-files and do-files, [R] **doedit**
command, [U] **10 Keyboard use**
data, [D] **edit**, [D] **generate**, [D] **merge**, [D] **recode**
files while in Stata, [R] **doedit**
graphs, [G-1] **Graph Editor**, [G-2] **graph play**
output, [U] **15 Saving and printing output—log
files**

edit command, [D] **edit**

_editmissing() function, [M-5] **editmissing()**

editmissing() function, [M-5] **editmissing()**

Editor Support Program, [U] **3.7.3 For editors**

_edittoint() function, [M-5] **edittoint()**

edittoint() function, [M-5] **edittoint()**

_edittointtol() function, [M-5] **edittoint()**

edittointtol() function, [M-5] **edittoint()**

_edittozero() function, [M-5] **edittozero()**

edittozero() function, [M-5] **edittozero()**

_edittozerotol() function, [M-5] **edittozero()**

edittozerotol() function, [M-5] **edittozero()**

_editvalue() function, [M-5] **editvalue()**

editvalue() function, [M-5] **editvalue()**

EE estimator, *see* estimating-equation estimator

effect size, [META] **Intro**, [META] **meta**,
[META] **meta data**, [META] **meta esize**,
[META] **meta set**, [META] **meta update**,
[META] **meta summarize**, [META] **meta
galbraithplot**, [META] **meta labbeplot**,
[META] **meta regress**, [META] **estat bubbleplot**,
[META] **meta mvregress**, [META] **Glossary**,
[PSS-5] **Glossary**, [R] **anova postestimation**,
[R] **esize**, [R] **regress postestimation**,
[ST] **Glossary**

curve, [PSS-2] **power**, **graph**, [PSS-5] **Glossary**

effect size, *continued*

detection of, see minimum detectable effect size

determination, [PSS-1] [Intro](#), [PSS-2] [Intro \(power\)](#), [PSS-2] [power](#), [PSS-2] [power usermethod](#), [PSS-2] [power onemean](#), [PSS-2] [power twomeans](#), [PSS-2] [power pairedmeans](#), [PSS-2] [power oneproportion](#), [PSS-2] [power twoproportions](#), [PSS-2] [power pairedproportions](#), [PSS-2] [power onevariance](#), [PSS-2] [power twovariances](#), [PSS-2] [power onecorrelation](#), [PSS-2] [power twocorrelations](#), [PSS-2] [power oneway](#), [PSS-2] [power twoway](#), [PSS-2] [power repeated](#), [PSS-2] [power oneslope](#), [PSS-2] [power rsquared](#), [PSS-2] [power pcorr](#), [PSS-2] [power cmh](#), [PSS-2] [power mcc](#), [PSS-2] [power cox](#), [PSS-2] [power exponential](#), [PSS-2] [power logrank](#), [PSS-4] [Unbalanced designs](#), [PSS-5] [Glossary](#)

minimum detectable, see minimum detectable effect size

effective sample size, [BAYES] [Bayesian commands](#), [BAYES] [bayesmh](#), [BAYES] [bayesstats ess](#), [BAYES] [Glossary](#)

effects, estat subcommand, [SVY] [estat](#)

effects,

direct, [SEM] [estat teffects](#), [SEM] [Example 7](#), [SEM] [Example 42g](#), [SEM] [Methods and formulas for sem](#), [SEM] [Glossary](#)

indirect, [SEM] [estat teffects](#), [SEM] [Example 7](#), [SEM] [Example 42g](#), [SEM] [Methods and formulas for sem](#), [SEM] [Glossary](#)

total, [SEM] [estat teffects](#), [SEM] [Example 7](#), [SEM] [Example 42g](#), [SEM] [Methods and formulas for sem](#), [SEM] [Glossary](#)

treatment, see treatment effects

efficiency of Markov chain Monte Carlo,

[BAYES] [Intro](#), [BAYES] [Bayesian commands](#), [BAYES] [bayesmh](#), [BAYES] [bayesgraph](#), [BAYES] [bayesstats ess](#), [BAYES] [Glossary](#)

eform, estat subcommand, [FMM] [estat eform](#), [SEM] [Intro 7](#), [SEM] [estat eform](#), [SEM] [Example 33g](#), [SEM] [Example 34g](#), [SEM] [Example 47g](#), [SEM] [Example 48g](#)

eform_option, [R] [eform_option](#)

EGARCH, see exponential generalized autoregressive conditional heteroskedasticity

egen command, [D] [egen](#), [MI] [mi passive](#), [MI] [mi xeq](#)

Egger test, [META] [meta bias](#), [META] [Glossary](#)

Egger, Davey Smith, and Phillips test, [META] [meta bias](#)

EGLS, see estimated generalized least squares

[_eigengelapacke\(\)](#) function, [M-5] [eigensystem\(\)](#)

[_eigen_la\(\)](#) function, [M-5] [eigensystem\(\)](#)

[_eigensystem\(\)](#) function, [M-5] [eigensystem\(\)](#)

[eigensystem\(\)](#) function, [M-5] [eigensystem\(\)](#)

[_eigensystemselect*\(\)](#) functions,

[M-5] [eigensystemselect\(\)](#)

[eigensystemselect*\(\)](#) functions,

[M-5] [eigensystemselect\(\)](#)

eigenvalues, [M-5] [eigensystem\(\)](#), [M-6] [Glossary](#),

[MV] [factor](#), [MV] [factor postestimation](#),

[MV] [pca](#), [MV] [rotate](#), [MV] [rotatemat](#),

[MV] [screepplot](#), [MV] [Glossary](#), [P] [matrix](#)

[eigenvalues](#), [P] [matrix svd](#), [P] [matrix](#)

[symeigen](#)

stability condition, [BAYES] [bayesvarstable](#),

[TS] [estat aroots](#), [TS] [varstable](#), [TS] [vecstable](#)

stability index, [SEM] [estat stable](#)

[_eigenvalues\(\)](#) function, [M-5] [eigensystem\(\)](#)

[eigenvalues\(\)](#) function, [M-5] [eigensystem\(\)](#)

[eigenvalues](#), matrix subcommand, [P] [matrix eigenvalues](#)

eigenvectors, [M-5] [eigensystem\(\)](#), [M-6] [Glossary](#),

[MV] [factor](#), [MV] [factor postestimation](#),

[MV] [pca](#), [MV] [rotate](#), [MV] [rotatemat](#),

[MV] [scoreplot](#), [MV] [Glossary](#), [P] [matrix svd](#),

[P] [matrix symeigen](#)

EIM, see expected information matrix

eintreg command, [ERM] [Intro 1](#), [ERM] [Intro 2](#),

[ERM] [Intro 3](#), [ERM] [Intro 7](#),

[ERM] [eintreg](#), [ERM] [eintreg postestimation](#),

[ERM] [eintreg predict](#), [ERM] [Example 1b](#),

[ERM] [Example 1c](#), [ERM] [predict advanced](#),

[ERM] [predict treatment](#), [ERM] [Triangularize](#)

eivreg command, [R] [eivreg](#), [R] [eivreg postestimation](#)

[el\(\)](#) function, [FN] [Matrix functions](#), [P] [matrix define](#)

elastic net, [LASSO] [elasticnet](#), [LASSO] [Glossary](#)

[elasticnet](#) command, [LASSO] [elasticnet](#), [LASSO] [lasso postestimation](#)

elimination matrix, [M-5] [Lmatrix\(\)](#)

else command, [P] [if](#)

eltype, [M-2] [Declarations](#), [M-6] [Glossary](#)

[eltype\(\)](#) function, [M-5] [eltype\(\)](#)

EM, see expectation-maximization algorithm

EMF, see Enhanced Metafile

empirical Bayes, [IRT] [irt 1pl](#) postestimation, [IRT] [irt](#)

[2pl](#) postestimation, [IRT] [irt 3pl](#) postestimation,

[IRT] [irt grm](#) postestimation, [IRT] [irt nrm](#)

[postestimation](#), [IRT] [irt pcm](#) postestimation,

[IRT] [irt rsm](#) postestimation, [IRT] [irt hybrid](#)

[postestimation](#), [IRT] [Glossary](#), [ME] [mecloglog](#)

[postestimation](#), [ME] [meglm](#) postestimation,

[ME] [meintreg](#) postestimation, [ME] [melogit](#)

[postestimation](#), [ME] [menbreg](#) postestimation,

[ME] [meologit](#) postestimation, [ME] [meoprobit](#)

[postestimation](#), [ME] [mepoisson](#) postestimation,

[ME] [meprobit](#) postestimation, [ME] [mestreg](#)

[postestimation](#), [ME] [metobit](#) postestimation,

[ME] [Glossary](#)

means, see posterior mean

modes, see posterior mode

predictions, [SEM] [Intro 7](#), [SEM] [Methods and formulas for gsem](#), [SEM] [predict after gsem](#)

empirical cumulative distribution function, [R] **cumul**
 emptycells, set subcommand, [R] **set**, [R] **set emptycells**

Encapsulated PostScript, [G-2] **graph export**, [G-3] **eps_options**, [G-4] **Glossary**

encode command, [D] **encode**, [U] **24.2 Categorical string variables**

encodings, [D] **unicode**, [D] **unicode encoding**, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**

end command, [M-3] **end**

end-of-line characters, [D] **changeool**

ending a Stata session, [P] **exit**, [R] **exit**

endless loop, see **loop**, **endless**

endogeneity test, [R] **hausman**, [R] **ivprobit**, [R] **ivregress postestimation**, [R] **ivtobit**

endogenous

covariates, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [ERM] **Glossary**, [FMM] **fmm: ivregress**, [LASSO] **Lasso inference intro**, [LASSO] **Inference examples**, [LASSO] **poivregress**, [LASSO] **xpoivregress**, [R] **gmm**, [R] **ivpoisson**, [R] **ivprobit**, [R] **ivregress**, [R] **ivtobit**, [R] **reg3**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xthtaylor**, [XT] **xtivreg**
 with endogenous treatment, [ERM] **Example 3b**
 with sample selection, [ERM] **Example 1c**, [ERM] **Example 8b**

instrument variables, [ERM] **Intro 3**

sample selection, [ERM] **Intro 4**, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [ERM] **Glossary**, [R] **heckman**, [R] **heckprobit**, [R] **heckprobit**, [SEM] **Example 45g**, [XT] **xheckman**
 with endogenous covariate, [ERM] **Example 1c**, [ERM] **Example 8b**

with endogenous treatment, [ERM] **Example 6b**

treatment, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [SEM] **Example 46g**, [TE] **eteffects**, [TE] **etpoisson**, [TE] **etregress**
 with endogenous covariates, [ERM] **Example 3b**
 with sample selection, [ERM] **Example 6b**

treatment assignment, [ERM] **Glossary**

variable, [BAYES] **Glossary**, [DSGE] **Glossary**, [ERM] **Glossary**, [SEM] **Intro 4**, [SEM] **Glossary**, [SVY] **svy estimation**, [TS] **Glossary**, [XT] **Glossary**

endogenous, estat subcommand, [R] **ivregress postestimation**

ends(), egen function, [D] **egen**

Engle's LM test, [R] **regress postestimation time series**

Enhanced Metafile, [G-2] **graph export**, [G-4] **Glossary**

ensure mi data are consistent, [MI] **mi update**

enter data, see **import data**, see **input data interactively**, see **read data from disk**

environment macro function, [P] **macro**

environment variables (Unix), [P] **macro**

eoprobit command, [ERM] **Intro 1**, [ERM] **Intro 2**, [ERM] **Intro 3**, [ERM] **Intro 4**, [ERM] **Intro 7**, [ERM] **eoprobit**, [ERM] **eoprobit postestimation**, [ERM] **eoprobit predict**, [ERM] **Example 6a**, [ERM] **Example 6b**, [ERM] **predict advanced**, [ERM] **predict treatment**, [ERM] **Triangularize**

Epanechnikov kernel function, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lpoly**, [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**, [R] **qreg**, [TE] **tebalance density**, [TE] **teoverlap**

epidemiology and related, [R] **Epitab**, [ST] **strate**

Brier score decomposition, [R] **brier**

estimation commands, [R] **binreg**, [R] **clogit**, [R] **exlogistic**, [R] **expoisson**, [R] **glm**, [R] **logistic**, [R] **nbreg**, [R] **poisson**, also see **multilevel model**, also see **structural equation modeling**, also see **survey**, also see **survival analysis**, also see **treatment effects**

ICD, [D] **icd**

interrater agreement, [R] **kappa**

pharmacokinetic data, see **pharmacokinetic data**

ROC analysis, see **receiver operating characteristic analysis**

SMR, see **standardized mortality ratio**

standardization, [R] **dstdize**

symmetry and marginal homogeneity tests,

[R] **symmetry**

tables, [R] **Epitab**, [R] **tabulate twoway**

eprobit command, [ERM] **Intro 1**, [ERM] **Intro 2**, [ERM] **Intro 3**, [ERM] **Intro 7**, [ERM] **eprobit**, [ERM] **eprobit postestimation**, [ERM] **eprobit predict**, [ERM] **Example 3a**, [ERM] **Example 3b**, [ERM] **Example 4a**, [ERM] **Example 4b**, [ERM] **Example 5**, [ERM] **predict advanced**, [ERM] **predict treatment**, [ERM] **Triangularize**

EPS, see **Encapsulated PostScript**

epsdouble() function, [FN] **Programming functions**

epsfloat() function, [FN] **Programming functions**

epsilon() function, [M-5] **epsilon()**, [M-6] **Glossary**

egqof, estat subcommand, [SEM] **Intro 7**, [SEM] **estat egqof**, [SEM] **Methods and formulas for sem**

eqtest, estat subcommand, [SEM] **Intro 7**, [SEM] **estat eqtest**

equal FMI test, [MI] **mi estimate**, [MI] **mi test**, [MI] **Glossary**

equal-allocation design, see **balanced design**

equality operator, [U] **13.2.3 Relational operators**

equality test of

binomial proportions, [R] **bitest**

bioequivalence, [R] **pk**, [R] **pkequiv**

coefficients, [R] **pwcompare**, [R] **sureg**, [R] **test**, [R] **testnl**, [SVY] **svy postestimation**

correlation matrices, [MV] **mvtest correlations**

correlations, [MV] **mvtest correlations**

covariance matrices, [MV] **mvtest covariances**

covariances, [MV] **mvtest covariances**

equality test of, *continued*

- distributions, [R] [ksmirnov](#), [R] [kwallis](#), [R] [ranksum](#), [R] [signrank](#)
- margins, [CM] [margins](#), [R] [margins](#), [contrast](#), [R] [margins](#), [pwcompare](#), [R] [pwcompare](#)
- means, [R] [anova](#), [R] [contrast](#), [R] [esize](#), [R] [loneaway](#), [R] [mean](#), [R] [oneway](#), [R] [pwmean](#), [R] [ttest](#), [R] [ztest](#), [SVY] [svy postestimation](#), [TABLES] [Example 4](#)
- medians, [R] [ranksum](#)
- multivariate means, [MV] [hotelling](#), [MV] [manova](#), [MV] [mvtest means](#)
- parameters across groups, [SEM] [estat ginvariant](#)
- proportions, [R] [bitest](#), [R] [prtest](#)
- ROC areas, [R] [roccomp](#), [R] [rocreg](#)
- survivor functions, [ST] [sts test](#)
- variances, [R] [oneway](#), [R] [sdtest](#)

equal-tailed credible interval, [BAYES] [Intro](#), [BAYES] [Bayesian commands](#), [BAYES] [bayes](#), [BAYES] [bayesmh](#), [BAYES] [bayesstats summary](#), [BAYES] [Glossary](#)

equamax rotation, [MV] [rotate](#), [MV] [rotatemat](#), [MV] [Glossary](#)

equation names of matrix, [P] [ereturn](#), [P] [matrix define](#), [P] [matrix rownames](#), [U] [14.2 Row and column names](#)

[_equilc\(\)](#) function, [M-5] [_equilrc\(\)](#)

equilibration, [M-5] [_equilrc\(\)](#)

equilibrium, [DSGE] [Glossary](#)

[_equilr\(\)](#) function, [M-5] [_equilrc\(\)](#)

[_equilrc\(\)](#) function, [M-5] [_equilrc\(\)](#)

equivalence test, see [equality test of](#), [bioequivalence](#)

erase, see [drop](#)

erase, mi subcommand, [MI] [mi erase](#), [MI] [Styles](#)

erase, snapshot subcommand, [D] [snapshot](#)

erase command, [D] [erase](#)

eregress command, [ERM] [Intro 1](#), [ERM] [Intro 2](#), [ERM] [Intro 3](#), [ERM] [Intro 7](#), [ERM] [eregress](#), [ERM] [eregress postestimation](#), [ERM] [eregress predict](#), [ERM] [Example 1a](#), [ERM] [Example 2a](#), [ERM] [Example 2b](#), [ERM] [Example 2c](#), [ERM] [predict advanced](#), [ERM] [predict treatment](#), [ERM] [Triangularize](#)

ereturn

- [clear](#) command, [P] [ereturn](#), [P] [return](#)

- [display](#) command, [P] [ereturn](#)

- [list](#) command, [P] [ereturn](#), [P] [return](#), [R] [Stored results](#)

- [local](#) command, [P] [ereturn](#), [P] [return](#)

- [matrix](#) command, [P] [ereturn](#), [P] [return](#)

- [post](#) command, [P] [ereturn](#), [P] [makecns](#), [P] [return](#)

- [repost](#) command, [P] [ereturn](#), [P] [return](#)

- [scalar](#) command, [P] [ereturn](#), [P] [return](#)

ERM, see [extended regression model](#)

error, [ERM] [Glossary](#), [SEM] [Glossary](#)

- checking, [D] [assert](#), [D] [assertnested](#)

- codes, [M-2] [Errors](#)

- covariance, [ME] [Glossary](#)

- handling, [P] [capture](#), [P] [confirm](#), [P] [error](#),

- [U] [16.1.4 Error handling in do-files](#)

- messages and return codes, [M-5] [error\(\)](#), [P] [error](#),

- [P] [rmsg](#), [R] [Error messages](#), [U] [4.8.5 Return codes](#), [U] [8 Error messages and return codes](#),

- also see* [error handling](#)

- searching, [R] [search](#)

- variable, [SEM] [Intro 4](#), [SEM] [Glossary](#)

error command, [P] [error](#)

[_error\(\)](#) function, [M-5] [error\(\)](#)

[error\(\)](#) function, [M-5] [error\(\)](#)

error, reshape subcommand, [D] [reshape](#)

error-bar charts, [R] [serrbar](#)

error-components model, [XT] [xthtaylor](#),

- [XT] [Glossary](#)

errorrate, estat subcommand, [MV] [discrim estat](#),

- [MV] [discrim lda postestimation](#), [MV] [discrim logistic postestimation](#)

errors-in-variables regression, [R] [eivreg](#)

[errprintf\(\)](#) function, [M-5] [errprintf\(\)](#)

esample, estimates subcommand, [R] [estimates save](#)

esize,

- estat subcommand, [R] [regress postestimation](#)

- meta subcommand, [META] [meta esize](#)

esize and esizei commands, [R] [esize](#)

ESS, see [effective sample size](#)

ess, bayesstats subcommand, [BAYES] [bayesstats ess](#)

estat, [P] [estat programming](#)

- abond command, [XT] [xtabond](#), [XT] [xtabond](#)

- [postestimation](#), [XT] [xtdpd postestimation](#),

- [XT] [xtdpdsys](#), [XT] [xtdpdsys postestimation](#)

- acplot command, [TS] [estat acplot](#)

- alternatives command, [CM] [nlogit](#)

- [postestimation](#)

- anova command, [MV] [discrim lda postestimation](#)

- anti command, [MV] [factor postestimation](#),

- [MV] [pca postestimation](#)

- archlm command, [R] [regress postestimation time series](#)

- aroots command, [TS] [estat aroots](#)

- bgodfrey command, [R] [regress postestimation](#)

- [time series](#), [TS] [newey postestimation](#)

- bootstrap command, [R] [bootstrap postestimation](#)

- bubbleplot command, [META] [estat bubbleplot](#)

- canontest command, [MV] [discrim lda postestimation](#)

- classfunctions command, [MV] [discrim lda postestimation](#)

- classification command, [R] [estat classification](#)

- classtable command, [MV] [discrim estat](#),

- [MV] [discrim lda postestimation](#)

- common command, [MV] [factor postestimation](#)

estat, continued

compare command, [MV] **procrustes postestimation**

concordance command, [ST] **stcox postestimation**

config command, [MV] **mds postestimation**

coordinates command, [MV] **ca postestimation**, [MV] **mca postestimation**

correlation command, [CM] **cmmprobit postestimation**, [CM] **cmroprobit postestimation**

correlations command, [MV] **canon postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**, [MV] **mds postestimation**

covariance command, [CM] **cmmprobit postestimation**, [CM] **cmroprobit postestimation**, [DSGE] **Intro 3e**, [DSGE] **estat covariance**, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**

cv command, [SVY] **estat**

df command, [ME] **estat df**

distances command, [MV] **ca postestimation**

durbinalt command, [R] **regress postestimation time series**

dwtson command, [R] **regress postestimation time series**

effects command, [SVY] **estat**

eform command, [FMM] **estat eform**, [SEM] **Intro 7**, [SEM] **estat eform**, [SEM] **Example 33g**, [SEM] **Example 34g**, [SEM] **Example 47g**, [SEM] **Example 48g**

endogenous command, [R] **ivregress postestimation**

eqgof command, [SEM] **Intro 7**, [SEM] **estat eqgof**, [SEM] **Example 3**, [SEM] **Methods and formulas for sem**

eqtest command, [SEM] **Intro 7**, [SEM] **estat eqtest**, [SEM] **Example 13**

errorate command, [MV] **discrim estat**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**

esize command, [R] **regress postestimation**

factors command, [MV] **factor postestimation**

facweights command, [CM] **cmmprobit postestimation**, [CM] **cmroprobit postestimation**

firststage command, [R] **ivregress postestimation**

framework command, [SEM] **Intro 7**, [SEM] **estat framework**, [SEM] **Example 11**

ggof command, [SEM] **Intro 7**, [SEM] **estat ggof**, [SEM] **Example 21**, [SEM] **Methods and formulas for sem**

ginvariant command, [SEM] **Intro 7**, [SEM] **estat ginvariant**, [SEM] **Example 22**

gof command, [R] **estat gof**, [R] **poisson postestimation**, [SEM] **Intro 7**, [SEM] **estat gof**, [SEM] **Example 4**, [SEM] **Methods and formulas for sem**, [SVY] **estat**

gofplot command, [ST] **stintreg postestimation**

granger command, [TE] **didregress postestimation**

estat, continued

grangerplot command, [TE] **didregress postestimation**

grdistances command, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**

greport command, [IRT] **estat greport**

grmeans command, [MV] **discrim lda postestimation**

group command, [ME] **estat group**, [ME] **menl postestimation**, [ME] **mixed postestimation**

grsummarize command, [MV] **candisc**, [MV] **discrim estat**

heterogeneity command, [META] **estat heterogeneity**

hettest command, [R] **regress postestimation**

ic command, [R] **estat**, [R] **estat ic**

icc command, [ME] **estat icc**, [ME] **melogit postestimation**, [ME] **meprobit postestimation**, [ME] **mixed postestimation**

impact command, [SP] **Intro 7**, [SP] **Intro 8**, [SP] **spivregress**, [SP] **spivregress postestimation**, [SP] **spregress**, [SP] **spregress postestimation**, [SP] **spxtregress**, [SP] **spxtregress postestimation**

imtest command, [R] **regress postestimation**

inertia command, [MV] **ca postestimation**

kmo command, [MV] **factor postestimation**, [MV] **pca postestimation**

lceffects command, [SVY] **estat**

lcgof command, [SEM] **estat lcgof**, [SEM] **Example 51g**

lcmean command, [FMM] **estat lcmean**, [SEM] **estat lcmean**, [SEM] **Example 50g**, [SEM] **Example 53g**, [SEM] **Example 54g**

lcprob command, [FMM] **estat lcprob**, [SEM] **estat lcprob**, [SEM] **Example 50g**, [SEM] **Example 53g**, [SEM] **Example 54g**, [SEM] **Methods and formulas for sem**

list command, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic**, [MV] **discrim qda postestimation**

loadings command, [MV] **ca postestimation**, [MV] **canon postestimation**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **pca postestimation**

manova command, [MV] **discrim lda postestimation**

mindices command, [SEM] **Intro 7**, [SEM] **estat mindices**, [SEM] **Example 5**, [SEM] **Example 9**, [SEM] **Methods and formulas for sem**

moran command, [SP] **Intro 7**, [SP] **estat moran**

mvreg command, [MV] **procrustes postestimation**

nproc command, [R] **rocreg postestimation**

overid command, [R] **gmm postestimation**, [R] **ivpoisson postestimation**, [R] **ivregress postestimation**

ovtest command, [R] **regress postestimation**

estat, continued

pairwise command, [MV] **mds postestimation**

period command, [TS] **ucm**, [TS] **ucm postestimation**

phtest command, [ST] **stcox PH-assumption tests**

policy command, [DSGE] **Intro 1**, [DSGE] **Intro 3a**, [DSGE] **Intro 3c**, [DSGE] **Intro 3d**, [DSGE] **Intro 3e**, [DSGE] **Intro 3f**, [DSGE] **estat policy**

predict command, [R] **exlogistic postestimation**

profiles command, [MV] **ca postestimation**

ptrends command, [TE] **didregress postestimation**

quantiles command, [MV] **mds postestimation**

recovariance command, [ME] **estat recovariance**, [ME] **mixed postestimation**, [META] **estat recovariance**

report command, [IRT] **estat report**

residuals command, [MV] **factor postestimation**, [MV] **pca postestimation**, [SEM] **Intro 7**, [SEM] **estat residuals**, [SEM] **Example 10**, [SEM] **Methods and formulas for sem**

rotate command, [MV] **canon postestimation**

rotatecompare command, [MV] **canon postestimation**, [MV] **factor postestimation**, [MV] **pca postestimation**

sargan command, [XT] **xtabond**, [XT] **xtabond postestimation**, [XT] **xtdpd**, [XT] **xtdpd postestimation**, [XT] **xtdpdsys postestimation**

sbcsun command, [TS] **estat sbcsun**

sbknown command, [TS] **estat sbknown**

sbsingle command, [TS] **estat sbsingle**

scoretests command, [SEM] **Intro 7**, [SEM] **estat scoretests**, [SEM] **Example 8**, [SEM] **Methods and formulas for sem**

sd command, [ME] **estat sd**, [ME] **menl**, [ME] **mixed postestimation**, [META] **estat sd**, [R] **mean postestimation**, [SEM] **estat sd**, [SVY] **estat**

se command, [R] **exlogistic postestimation**, [R] **expoisson postestimation**

size command, [SVY] **estat**

smc command, [MV] **factor postestimation**, [MV] **pca postestimation**

stable command, [DSGE] **Intro 5**, [DSGE] **estat stable**, [SEM] **Intro 7**, [SEM] **estat stable**, [SEM] **Example 7**, [SEM] **Methods and formulas for sem**

stdize: prefix command, [SEM] **estat stdize**, [SEM] **Example 16**

steady command, [DSGE] **Intro 3e**, [DSGE] **Intro 3f**, [DSGE] **estat steady**

strata command, [SVY] **estat**

stress command, [MV] **mds postestimation**

structure command, [MV] **discrim lda postestimation**, [MV] **factor postestimation**

subinertia command, [MV] **mca postestimation**

estat, continued

summarize command, [MV] **ca postestimation**, [MV] **discrim estat**, [MV] **factor postestimation**, [MV] **mca postestimation**, [MV] **mds postestimation**, [MV] **pca postestimation**, [MV] **procrustes postestimation**, [R] **estat**, [R] **estat summarize**, [SEM] **estat summarize**

svyset command, [SVY] **estat**

szroeter command, [R] **regress postestimation**

table command, [MV] **ca postestimation**

teffects command, [ERM] **Intro 5**, [ERM] **Intro 9**, [ERM] **estat teffects**, [SEM] **Intro 7**, [SEM] **estat teffects**, [SEM] **Example 7**, [SEM] **Example 42g**

transition command, [DSGE] **Intro 1**, [DSGE] **Intro 3a**, [DSGE] **Intro 3b**, [DSGE] **Intro 3d**, [DSGE] **Intro 3e**, [DSGE] **Intro 3f**, [DSGE] **estat transition**

trendplots command, [TE] **didregress postestimation**

vce command, [R] **estat**, [R] **estat vce**, [SVY] **estat**

vif command, [R] **regress postestimation**

wcorrelation command, [ME] **estat wcorrelation**, [ME] **mixed postestimation**, [XT] **xtgee postestimation**

estimate linear combinations of coefficients, see **linear combinations of parameters**

estimate, mi subcommand, [MI] **mi estimate**, [MI] **mi estimate using**

estimated generalized least squares, [XT] **xtgls**, [XT] **xtivreg**, [XT] **xtreg**

_estimates

clear command, [P] **_estimates**

dir command, [P] **_estimates**

drop command, [P] **_estimates**

hold command, [P] **_estimates**

unhold command, [P] **_estimates**

estimates

clear command, [R] **estimates store**

command, [R] **suest**, [SVY] **svy postestimation**

introduction, [R] **estimates**

describe command, [R] **estimates describe**

dir command, [R] **estimates store**

drop command, [R] **estimates store**

esample command, [R] **estimates save**

for command, [R] **estimates for**

notes command, [R] **estimates notes**

query command, [R] **estimates store**

replay command, [R] **estimates replay**

restore command, [LASSO] **estimates store**, [R] **estimates store**

save command, [LASSO] **estimates store**, [R] **estimates save**

selected command, [R] **estimates selected**

stats command, [R] **estimates stats**

store command, [LASSO] **estimates store**, [R] **estimates store**

table command, [R] **estimates table**

estat, continued

- title command, [R] [estimates title](#)
- use command, [LASSO] [estimates store](#),
[R] [estimates save](#)

estimates, forecast subcommand, [TS] [forecast estimates](#)

estimating-equation estimator, [TE] [teffects aipw](#),
[TE] [teffects ipw](#), [TE] [teffects ipwra](#),
[TE] [teffects ra](#), [TE] [Glossary](#)

estimation

- Bayesian, see [Bayesian, estimation](#)
- command, [CM] [Intro 4](#), [U] [20 Estimation and postestimation commands](#), [U] [27 Overview of Stata estimation commands](#)

commands

- allowed, [BAYES] [Bayesian estimation](#),
[FMM] [fmm estimation](#), [MI] [Estimation](#),
[SVY] [svy estimation](#)
- allowing constraints in, [P] [makecns](#),
[R] [constraint](#)

how to program, [P] [Estimation command](#)

degrees of freedom for coefficients, [MI] [mi estimate](#)

method for SEM, [SEM] [Glossary](#)

obtaining after

- adjusted predictions, [CM] [margins](#),
[R] [margins](#), [U] [20.16.2 Obtaining adjusted predictions](#)

combinations of coefficients, [R] [lincom](#),
[R] [nlcom](#), [U] [20.14 Obtaining linear combinations of coefficients](#),
[U] [20.15 Obtaining nonlinear combinations of coefficients](#)

contrasts, [R] [contrast](#), [U] [20.19 Obtaining contrasts, tests of interactions, and main effects](#)

forecasts, [TS] [forecast](#), [U] [20.21 Dynamic forecasts and simulations](#)

graphs of margins, marginal effects,
and contrasts, [R] [marginsplot](#),
[U] [20.20 Graphing margins, marginal effects, and contrasts](#)

marginal effects, [CM] [margins](#), [R] [margins](#),
[U] [20.17 Obtaining conditional and average marginal effects](#)

marginal means, [CM] [margins](#), [R] [margins](#),
[U] [20.16.1 Obtaining estimated marginal means](#)

pairwise comparisons, [R] [pwcompare](#),
[U] [20.18 Obtaining pairwise comparisons](#)

predictions, [MI] [mi predict](#), [P] [_predict](#),
[R] [predict](#), [R] [predictnl](#),
[U] [20.11 Obtaining predicted values](#)

predictive margins, [CM] [margins](#), [R] [margins](#),
[U] [20.16.3 Obtaining predictive margins](#)

scores, [U] [20.23 Obtaining scores](#)

estimation, obtaining after, *continued*

- test, [MI] [mi estimate](#), [MI] [mi test](#),
[R] [hausman](#), [R] [lrtest](#), [R] [suest](#), [R] [test](#),
[R] [testnl](#), [SVY] [svy postestimation](#),
[U] [20.13 Performing hypothesis tests on the coefficients](#)

options, [R] [Estimation options](#), [SEM] [gsem estimation options](#), [SEM] [sem estimation options](#)

postestimation dialog box, [R] [postest](#)

posting VCE for MI, [MI] [mi estimate](#)

predictions after, see [predictions, obtaining after estimation](#)

results,

- accessing, [U] [18.9 Accessing results calculated by estimation commands](#)
- clearing, [P] [ereturn](#), [P] [_estimates](#),
[R] [estimates store](#)
- eliminating, [P] [discard](#)
- listing, [P] [ereturn](#), [P] [_estimates](#)
- saving, [P] [_estimates](#)
- storing, [P] [ereturn](#)
- storing and restoring, [R] [estimates store](#)
- tables of, [R] [estimates selected](#), [R] [estimates table](#), [R] [etable](#), [R] [table regression](#),
[R] [table](#)

robust estimates, [P] [_robust](#), [R] [vce _option](#),
[U] [20.22 Obtaining robust variance estimates](#)

sample, summarizing, [R] [estat](#), [R] [estat summarize](#)

test after, [MI] [mi test](#)

weighted, [U] [20.24 Weighted estimation](#)

estimators,

covariance matrix of, [P] [ereturn](#), [P] [matrix get](#), [R] [correlate](#), [R] [estat](#), [R] [estat vce](#),
[U] [20.10 Obtaining the variance–covariance matrix](#)

linear combinations, [U] [20.14 Obtaining linear combinations of coefficients](#)

linear combinations of, [R] [lincom](#)

nonlinear combinations of, [R] [nlcom](#)

etable command, [R] [etable](#)

etable_style, set subcommand, [R] [set](#),
[TABLES] [set etable_style](#)

eteffects command, [TE] [eteffects](#), [TE] [eteffects postestimation](#)

etiologic fraction, [R] [EpiTab](#)

etpoisson command, [TE] [etpoisson](#), [TE] [etpoisson postestimation](#)

etregress command, [TE] [etregress](#), [TE] [etregress postestimation](#)

Euclidean distance, [MV] [measure _option](#),
[MV] [Glossary](#)

evaluation, order of, see [operator, order of evaluation](#)

event, [ST] [Glossary](#)

history analysis, see [survival analysis](#)

of interest, [ST] [Glossary](#)

probability, see [failure probability](#)

time, [ST] [stintcox](#), [ST] [stintreg](#), [ST] [Glossary](#)

event-time

interval, [ST] **stintcox**, [ST] **stintreg**, [ST] **Glossary**
 variables, [ST] **stintcox**, [ST] **stintreg**,
 [ST] **Glossary**

—Ex, [SEM] **sem** and **gsem** option **covstructure()**

ex post contiguity matrix, [SP] **Glossary**, *also see*
 spatial weighting matrix

exact DDF, *see* denominator degrees of freedom

exact statistics, [U] **27.8 Count outcomes**,
 [U] **27.11 Exact estimators**

binary confidence intervals, [R] **ci**, [R] **exlogistic**,
 [R] **roctab**

centiles, [R] **centile**

confidence intervals for variances, [R] **ci**

indirect standardization, [R] **dstdize**

one-way anova, [R] **loneway**

regression, [R] **exlogistic**, [R] **expoisson**

test,

binomial, *see* binomial test

binomial probability, [R] **bitest**

equality of distributions, [R] **ksmirnov**

equality of medians, [R] **ranksum**

Fisher's, [R] **Epitab**, [R] **tabulate twoway**

symmetry and marginal homogeneity,

[R] **symmetry**

tetrachoric correlations, [R] **tetrachoric**

exact test, [PSS-2] **power oneproportion**,

[PSS-2] **power twoproportions**,

[PSS-5] **Glossary**

example datasets, [U] **1.2.2 Example datasets**

examples, duplicates subcommand, [D] **duplicates**

Excel, [U] **22 Entering and importing data**

dates, [D] **Datetime values from other software**

Microsoft, *see* Microsoft Excel

Microsoft, importing from, [D] **import excel**,

[D] **odbc**, *also see* spreadsheets, exporting

Microsoft, write results to, [R] **etable**,

[RPT] **putexcel**, [RPT] **putexcel advanced**,

[TABLES] **collect export**, [U] **21.3 The putdocx**,

putpdf, and **putexcel** commands

excel,

export subcommand, [D] **import excel**

import subcommand, [D] **import excel**

excess fraction, [R] **Epitab**

excluded covariates, *see* covariate selection

exec, jdbc subcommand, [D] **jdbc**

exec(), odbc subcommand, [D] **odbc**

existence, confirm subcommand, [P] **confirm**

exit class program, [P] **class exit**

exit, class subcommand, [P] **class exit**

exit command, [P] **capture**, [P] **exit**, [R] **exit**,

[U] **16.1.4 Error handling in do-files**

exit() function, [M-5] **exit()**

exit Mata, [M-3] **end**

exit Stata, *see* exit command

exlogistic command, [R] **exlogistic**, [R] **exlogistic**
postestimation

exogeneity test, *see* endogeneity test

exogenous

covariate, [ERM] **Intro 3**, [ERM] **Glossary**

treatment assignment, [ERM] **Glossary**

variable, [BAYES] **Glossary**, [DSGE] **Glossary**,

[ERM] **Glossary**, [SEM] **Intro 4**,

[SEM] **Glossary**, [TS] **Glossary**, [XT] **Glossary**

exogenous, forecast subcommand, [TS] **forecast**
exogenous

exogenous-variables tightness parameter,

[BAYES] **Glossary**

exp, [M-2] **exp**, [M-6] **Glossary**, [U] **11 Language**
syntax

exp() function, [FN] **Mathematical functions**,
 [M-5] **exp()**

exp_list, [SVY] **svy bootstrap**, [SVY] **svy brr**,
 [SVY] **svy jackknife**, [SVY] **svy sdr**,
 [TS] **rolling**

expand

command, [D] **expand**

for mi data, [MI] **mi expand**

expand factor varlists, [P] **fvexpand**

expand, mi subcommand, [MI] **mi expand**

expandc1 command, [D] **expandc1**

expectation-maximization algorithm, [FMM] **Glossary**,

[ME] **mixed**, [MI] **mi impute mvn**,

[MI] **Glossary**, [ST] **stintcox**

parameter trace files, [MI] **mi ptrace**

expected future value, [DSGE] **Glossary**

expected information matrix, [SEM] **Glossary**

experimental group, [PSS-5] **Glossary**

correlation, *see* correlation, experimental-group

mean, *see* means, experimental-group

proportion, *see* proportions, experimental-group

sample size, *see* sample-size

standard deviation, *see* standard deviations,
 experimental-group

variance, *see* variance, experimental-group

experimental study, [PSS-2] **power**, [PSS-3] **ciwidth**,
 [PSS-5] **Glossary**

explanatory variable, [ERM] **Glossary**, [SP] **Glossary**,
also see covariate

exploded logit model, [CM] **cmrologit**

expm1() function, [FN] **Mathematical functions**,
 [M-5] **exp()**

expoisson command, [R] **expoisson**, [R] **expoisson**
postestimation

exponential

density, [FN] **Statistical functions**, [M-5] **normal()**

distribution, [FMM] **fmn: streg**, [FN] **Statistical**
functions, [M-5] **normal()**, [ST] **stintreg**,
 [ST] **streg**

function, [FN] **Mathematical functions**,
 [M-5] **exp()**

generalized autoregressive conditional
 heteroskedasticity, [TS] **arch**

notation, [U] **12.2 Numbers**

smoothing, [TS] **tssmooth**, [TS] **tssmooth**
exponential, [TS] **Glossary**

exponential, *continued*

survival regression, [BAYES] **bayes: streg**,
[FMM] **fmm: streg**, [SEM] **Example 47g**,
[ST] **stintreg**, [ST] **streg**

test, [PSS-2] **power exponential**, [PSS-5] **Glossary**

exponential,

churdle subcommand, [R] **churdle**

power subcommand, [PSS-2] **power exponential**

tssmooth subcommand, [TS] **tssmooth exponential**

exponential() function, [FN] **Statistical functions**,
[M-5] **normal()**

exponentialden() function, [FN] **Statistical functions**, [M-5] **normal()**

exponentialtail() function, [FN] **Statistical functions**, [M-5] **normal()**

exponentiated coefficients, [FMM] **estat eform**,
[R] **eform_option**, [SEM] **estat eform**

exponentiation, [M-5] **exp()**, [M-5] **matexpsym()**

export

collection, [R] **etable**, [TABLES] **collect export**

data, [D] **export**, [D] **import dbase**, [D] **import delimited**, [D] **import excel**, [D] **import sasxport5**, [D] **import sasxport8**, [D] **jdbc**,
[D] **odbc**, [D] **outfile**, [M-5] **_docx*()**,
[M-5] **xl()**, [MI] **mi export**, [MI] **mi export ice**,
[MI] **mi export nhanes1**

graphs, [G-2] **graph export**, [G-2] **graph set**,
[G-3] **eps_options**, [G-3] **gif_options**,
[G-3] **jpg_options**, [G-3] **png_options**,
[G-3] **ps_options**, [G-3] **svg_options**,
[G-3] **tif_options**

results, [RPT] **putexcel**, [RPT] **putexcel advanced**,
[U] 21.3 **The putdocx, putpdf, and putexcel commands**

export

dbase command, [D] **import dbase**

delimited command, [D] **import delimited**

excel command, [D] **import excel**

sasxport5 command, [D] **import sasxport5**

sasxport8 command, [D] **import sasxport8**

export,

collect subcommand, [TABLES] **collect export**

graph subcommand, [G-2] **graph export**

spmatrix subcommand, [SP] **spmatrix export**

exposure

odds ratio, [PSS-2] **power mcc**, [PSS-5] **Glossary**
variable, [ST] **Glossary**

Expression Builder, [U] 13.8 **Using the Expression Builder**

expressions, [M-2] **exp**, [P] **matrix define**,
[U] 13 **Functions and expressions**

extended

ASCII, [D] **unicode**, [D] **unicode translate**,
[D] **Glossary**, [P] **Glossary**, [U] **Glossary**
encoding conversion, [D] **unicode convertfile**,
[D] **unicode translate**

encodings, [D] **unicode encoding**

regression model, [ERM] **Glossary**

endogenous covariates, [ERM] **Intro 3**,
[ERM] **Intro 9**, [ERM] **Example 1a**,
[ERM] **Example 1b**, [ERM] **Example 1c**,
[ERM] **Example 2a**, [ERM] **Example 3a**,
[ERM] **Example 3b**, [ERM] **Example 7**,
[ERM] **Example 8a**, [ERM] **Example 8b**

endogenous sample selection, [ERM] **Intro 4**,
[ERM] **Intro 9**, [ERM] **Example 1c**,
[ERM] **Example 4a**, [ERM] **Example 4b**,
[ERM] **Example 6b**, [ERM] **Example 8b**

interpretation, [ERM] **Intro 7**, [ERM] **Intro 9**

interval regression, [ERM] **eintreg**,
[ERM] **Example 1b**, [ERM] **Example 1c**

introduction to commands, [ERM] **Intro 1**

introduction to models, [ERM] **Intro 2**

linear regression, [ERM] **eregress**,
[ERM] **Example 1a**, [ERM] **Example 2a**,
[ERM] **Example 2b**, [ERM] **Example 2c**,
[ERM] **Example 7**, [ERM] **Example 8a**,
[ERM] **Example 8b**

normality assumption, [ERM] **Intro 1**

options, [ERM] **ERM options**

ordered probit regression, [ERM] **eoprobit**,
[ERM] **Example 6a**, [ERM] **Example 6b**,
[ERM] **Example 9**

panel data, [ERM] **Intro 6**

probit regression, [ERM] **eoprobit**,
[ERM] **Example 3a**, [ERM] **Example 3b**,
[ERM] **Example 4a**, [ERM] **Example 4b**,
[ERM] **Example 5**

random effects, [ERM] **Intro 6**,
[ERM] **Example 7**, [ERM] **Example 8a**,
[ERM] **Example 8b**

related commands, [ERM] **Intro 8**

rules for using margins command,
[ERM] **Intro 7**

rules for using predict command,
[ERM] **Intro 7**, [ERM] **eintreg predict**,
[ERM] **eoprobit predict**, [ERM] **eoprobit predict**, [ERM] **eregress predict**,
[ERM] **predict advanced**, [ERM] **predict treatment**

treatment effects, [ERM] **Intro 5**, [ERM] **Intro 9**,
[ERM] **estat teffects**, [ERM] **Example 2b**,
[ERM] **Example 2c**, [ERM] **Example 3b**,
[ERM] **Example 4b**, [ERM] **Example 5**,
[ERM] **Example 6a**, [ERM] **Example 6b**,
[ERM] **Example 9**, [ERM] **predict treatment**

triangularization, how to, [ERM] **Triangularize**
triangularization, requirement, [ERM] **Intro 3**

external, [M-2] **Declarations**

external variable, see **global variable**

externals, [M-2] **Declarations**, [M-5] **direxternal()**,
[M-5] **findexternal()**, [M-5] **valofexternal()**,
[M-6] **Glossary**

extract

diagonal, [M-5] **diag()**, [M-5] **diagonal()**

m=# data from *mi* data, [MI] **mi extract**, [MI] **mi select**

original data from *mi* data, [MI] **mi extract**

extract, *mi* subcommand, [MI] **mi extract**, [MI] **mi replace0**

extrapolation, [D] **ipolate**

F

F

density,

central, [FN] **Statistical functions**,
[M-5] **normal()**

noncentral, [FN] **Statistical functions**,
[M-5] **normal()**

distribution,

cumulative, [FN] **Statistical functions**,
[M-5] **normal()**

cumulative noncentral, [FN] **Statistical functions**,
[M-5] **normal()**

inverse cumulative, [FN] **Statistical functions**,
[M-5] **normal()**

inverse reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**

inverse reverse cumulative noncentral,
[FN] **Statistical functions**, [M-5] **normal()**

reverse cumulative, [FN] **Statistical functions**,
[M-5] **normal()**

reverse cumulative noncentral, [FN] **Statistical functions**, [M-5] **normal()**

noncentrality parameter, [FN] **Statistical functions**,
[M-5] **normal()**

test, [PSS-5] **Glossary**

F() function, [FN] **Statistical functions**,
[M-5] **normal()**

Facebook, see **Stata on Facebook**

factor, [MV] **Glossary**, [PSS-5] **Glossary**

analysis, [MV] **alpha**, [MV] **canon**, [MV] **factor**,
[MV] **factor postestimation**, [MV] **Glossary**,
also see **confirmatory factor analysis**

loading plot, [MV] **scoreplot**, [MV] **Glossary**

loadings, [MV] **factor**, [MV] **factor postestimation**,
[MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**

model, [TS] **dfactor**

parsimony rotation, [MV] **rotate**, [MV] **rotatemat**,
[MV] **Glossary**

score plot, [MV] **scoreplot**

scores, [MV] **factor postestimation**, [MV] **Glossary**,
[SEM] **Intro 7**, [SEM] **Example 14**,
[SEM] **Methods and formulas for sem**,
[SEM] **predict after sem**

factor, *continued*

variables, [P] **fvexpand**, [P] **matrix rownames**,

[P] **_rmcoll**, [P] **syntax**, [P] **unab**,

[PSS-5] **Glossary**, [R] **fvrevr**, [R] **fvset**,

[U] **11.4.3 Factor variables**, [U] **13.9 Indicator values for levels of factor variables**,

[U] **14.2.2 Two-part names**, [U] **20.12 Accessing estimated coefficients**, [U] **26 Working with categorical data and factor variables**

factor command, [MV] **factor**, [MV] **factor postestimation**

factorial, [U] **11.4.3 Factor variables**

design, [MV] **manova**, [R] **anova**

function, [FN] **Mathematical functions**,
[M-5] **factorial()**

factorial() function, [M-5] **factorial()**

factormat command, [MV] **factor**, [MV] **factor postestimation**

factors, *estat* subcommand, [MV] **factor postestimation**

factor-variable

notation, [SEM] **Intro 3**

settings, [R] **fvset**

facweights, *estat* subcommand, [CM] **cmmprobit postestimation**, [CM] **cmroprobit postestimation**

failure

event, [ST] **Glossary**, [TE] **Glossary**

probability, [PSS-2] **power exponential**,
[PSS-2] **power logrank**

tables, [ST] **ltable**

time, see **survival analysis**

failure=success proportion, [PSS-2] **power pairedproportions**

failure-time model, see **survival analysis**

false-negative result, see **type II error**

false-positive rate, [R] **estat classification**, [R] **roc**,
[R] **rocreg**, [R] **rocreg postestimation**,
[R] **rocregplot**

false-positive result, see **type I error**

family

distribution, see **generalized linear response function**

graphs, see **plottypes**

FAQs, [U] **3.2.1 The Stata website (www.stata.com)**

search, [R] **search**, [U] **4.8.4 FAQ searches**

fastscroll, *set* subcommand, [R] **set**

favorspeed() function, [M-5] **favorspeed()**

fbufget() function, [M-5] **bufio()**

fbufput() function, [M-5] **bufio()**

fcast compute command, [TS] **fcast compute**

fcast graph command, [TS] **fcast graph**

_fclose() function, [M-5] **fopen()**

fclose() function, [M-5] **fopen()**

FCS, see **fully conditional specification**

Fden() function, [FN] **Statistical functions**,
[M-5] **normal()**

feasible generalized least squares, [R] **reg3**, [R] **sureg**,
[SEM] **Intro 4**, [TS] **dflgs**, [TS] **prais**, [TS] **var**,
[XT] **xtgls**, [XT] **xtivreg**, [XT] **xtreg**

finite mixture models, *continued*

[FMM] **fmm: tobit**, [FMM] **fmm: tpoisson**,
[FMM] **fmm: truncreg**, [FMM] **Example 1a**,
[FMM] **Example 1b**, [FMM] **Example 1c**,
[FMM] **Example 1d**, [FMM] **Example 2**,
[FMM] **Example 3**, [FMM] **Example 4**,
[FMM] **Glossary**, [SEM] **Intro 5**,
[SEM] **Example 53g**, [SEM] **Example 54g**,
[SEM] **Glossary**, [U] **27.26 Finite mixture
models (FMMs)**

finite population correction, [PSS-2] **power**,
[PSS-2] **power onemean**, [PSS-2] **power
pairedmeans**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth
onemean**, [PSS-3] **ciwidth pairedmeans**,
[PSS-5] **Glossary**, [SVY] **Survey**, [SVY] **svy
estimation**, [SVY] **svyset**, [SVY] **Variance
estimation**, [SVY] **Glossary**

FIPS, *see* federal information processing standard

firstdayofmonth() function, [D] **Datetime
relative dates**, [FN] **Date and time functions**,
[M-5] **date()**

first-difference stationary, [TS] **vec intro**, [TS] **vec**

first-differenced estimator, [XT] **xtabond**, [XT] **xtdpd**,
[XT] **xtdpdsys**, [XT] **xtivreg**

first-level variables, [SEM] **Glossary**

first-order latent variables, [SEM] **Glossary**

firststage, **estat** subcommand, [R] **ivregress
postestimation**

Fisher–Irwin’s exact test, [PSS-2] **power**
twoproportions, [PSS-5] **Glossary**

fisher, **xtunitroot** subcommand, [XT] **xtunitroot**

Fisher’s

exact test, [PSS-2] **power twoproportions**,
[PSS-5] **Glossary**, [R] **Epitab**, [R] **tabulate
twoway**

z test, [PSS-2] **power onecorrelation**,
[PSS-2] **power twocorrelations**,
[PSS-5] **Glossary**

z transformation, [PSS-2] **power onecorrelation**,
[PSS-2] **power twocorrelations**,
[PSS-5] **Glossary**

Fisher-type test, [XT] **xtunitroot**

fits, adding, [G-2] **graph twoway ffit**, [G-2] **graph
twoway ffitci**, [G-2] **graph twoway lfit**,
[G-2] **graph twoway lfitci**, [G-2] **graph twoway
qfit**, [G-2] **graph twoway qfitci**

fixed effects, [BAYES] **Glossary**, [PSS-5] **Glossary**

fixed-effects meta-analysis model, [META] **Intro**,
[META] **meta esize**, [META] **meta set**,
[META] **meta forestplot**, [META] **meta
galbraithplot**, [META] **meta labbeplot**,
[META] **meta regress**, [META] **meta funnelplot**,
[META] **meta trimfill**, [META] **meta mvregress**,
[META] **Glossary**, *also see* meta-analysis fixed-
effects

fixed-effects meta-regression, [META] **Intro**,
[META] **meta regress**, [META] **meta mvregress**,
[META] **Glossary**

fixed-effects model, [CM] **cmlogit**, [ME] **Glossary**,
[R] **anova**, [R] **areg**, [R] **clogit**, [SP] **spxtregress**,
[XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**,
[XT] **xtivreg**, [XT] **xtlogit**, [XT] **xtmlogit**,
[XT] **xtnbreg**, [XT] **xtoprobit**, [XT] **xtpoisson**,
[XT] **xtreg**, [XT] **xtregar**, [XT] **xtstreg**,
[XT] **Glossary**

multilevel mixed-effects models, [ME] **mecloglog**,
[ME] **meglm**, [ME] **meintreg**, [ME] **melogit**,
[ME] **menbreg**, [ME] **menl**, [ME] **melogit**,
[ME] **meoprobit**, [ME] **mepoisson**,
[ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,
[ME] **mixed**

fixed-effects parameters, [BAYES] **Glossary**

F-keys, [U] **10 Keyboard use**

flat prior, *see* noninformative prior

flat, **prior()** suboption, [BAYES] **bayesmh
evaluators**

flexible functional form, [R] **boxcox**, [R] **fp**, [R] **mfp**

flist command, [D] **list**

float, [D] **Data types**, [U] **12.2.2 Numeric storage
types**, [U] **13.12 Precision and problems therein**

float() function, [FN] **Programming functions**,
[M-5] **floatround()**, [U] **13.12 Precision and
problems therein**

floatround() function, [M-5] **floatround()**

floatwindows, **set** subcommand, [R] **set**

flong MI data style, [MI] **Styles**, [MI] **Glossary**
technical description, [MI] **Technical**

flong, **mi import** subcommand, [MI] **mi import**,
[MI] **mi import flong**

flongsep MI data style, [MI] **mi copy**, [MI] **mi erase**,
[MI] **mi xeq**, [MI] **Styles**, [MI] **Glossary**
estimating memory requirements, [MI] **mi convert**
technical description, [MI] **Technical**

flongsep, **mi import** subcommand, [MI] **mi import**,
[MI] **mi import flongsep**

floor() function, [FN] **Mathematical functions**,
[M-5] **trunc()**

_flopip() function, [M-5] **lapack()**

_flopout() function, [M-5] **lapack()**

FMI, *see* fraction missing information

FMM, *see* finite mixture models

fmm prefix command, [FMM] **fmm intro**,
[FMM] **fmm**, [FMM] **fmm postestimation**,
[FMM] **Example 1a**, [FMM] **Example 1b**,
[FMM] **Example 1c**, [FMM] **Example 1d**,
[FMM] **Example 3**, [FMM] **Example 4**

fmm: betareg command, [FMM] **fmm: betareg**

fmm: cloglog command, [FMM] **fmm: cloglog**

fmm: glm command, [FMM] **fmm: glm**

fmm: intreg command, [FMM] **fmm: intreg**

fmm: ivregress command, [FMM] **fmm: ivregress**

fmm: logit command, [FMM] **fmm: logit**

fmm: mlogit command, [FMM] **fmm: mlogit**

fmm: nbreg command, [FMM] **fmm: nbreg**

fmm: ologit command, [FMM] **fmm: ologit**

fmm: oprobit command, [FMM] **fmm: oprobit**

- fmm: pointmass command, [FMM] **fmm: pointmass**, [FMM] **Example 3**
- fmm: poisson command, [FMM] **fmm: poisson**, [FMM] **Example 2**, [FMM] **Example 3**
- fmm: probit command, [FMM] **fmm: probit**
- fmm: regress command, [FMM] **fmm: regress**
- fmm: streg command, [FMM] **fmm: streg**
- fmm: tobit command, [FMM] **fmm: tobit**
- fmm: tpoisson command, [FMM] **fmm: tpoisson**
- fmm: truncreg command, [FMM] **fmm: truncreg**
- %fmts, [D] **format**, [U] **12.5 Formats: Controlling how data are displayed**
- fmtwidth() function, [FN] **Programming functions**, [M-5] **fmtwidth()**
- folders, see **directories**
- folds, [LASSO] **Glossary**
- follow-up, [PSS-5] **Glossary**
 - loss to, [ERM] **Intro 5**, [ERM] **Glossary**, [MI] **Intro substantive**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-5] **Glossary**, [ST] **ltable**
 - period, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-5] **Glossary**
 - study, see **cohort study**
- footnote, ml subcommand, [R] **ml**
- _fopen() function, [M-5] **fopen()**
- fopen() function, [M-5] **fopen()**
- fopen, window subcommand, [P] **window programming**, [P] **window fopen**
- for, [M-2] **for**, [M-2] **continue**, [M-2] **break**, [M-2] **Semicolons**
- for, estimates subcommand, [R] **estimates for**
- foreach command, [P] **foreach**
- forecast, see **smoothers**
 - ARCH model, [TS] **arch**, [TS] **arch postestimation**
 - ARFIMA model, [TS] **arfima**, [TS] **arfima postestimation**
 - ARIMA model, [TS] **arima**, [TS] **arima postestimation**
 - DSGE model, [BAYES] **bayes: dsge**, [BAYES] **bayes: dsge**, [DSGE] **Intro 1**, [DSGE] **dsge postestimation**, [DSGE] **dsge** **postestimation**
 - dynamic, see **dynamic forecast**
 - dynamic-factor model, [TS] **dfactor postestimation**
 - econometric model, [TS] **forecast**, [TS] **forecast adjust**, [TS] **forecast clear**, [TS] **forecast coefvector**, [TS] **forecast create**, [TS] **forecast describe**, [TS] **forecast drop**, [TS] **forecast estimates**, [TS] **forecast exogenous**, [TS] **forecast identity**, [TS] **forecast list**, [TS] **forecast query**, [TS] **forecast solve**, [U] **20.21 Dynamic forecasts and simulations**
 - Markov-switching model, [TS] **mswitch postestimation**
 - MGARCH model, see **multivariate GARCH model**
 - recursive estimation, see **recursive estimation**
 - standard error of, [R] **regress postestimation**
 - state-space model, [TS] **sspace postestimation**
- forecast, *continued*
 - static, see **static forecast**
 - structural vector autoregressive model, [TS] **var svar postestimation**
 - threshold regression model, [TS] **threshold**, [TS] **threshold postestimation**
 - univariate time-series data, [TS] **tssmooth**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth ma**, [TS] **tssmooth shwinters**
 - unobserved-components model, [TS] **ucm**, [TS] **ucm postestimation**
 - vector autoregressive model, [BAYES] **bayes: var postestimation**, [BAYES] **bayesforecast graph**, [TS] **fcast compute**, [TS] **fcast graph**, [TS] **var intro**, [TS] **var**, [TS] **var postestimation**
 - vector error-correction model, [TS] **fcast compute**, [TS] **fcast graph**, [TS] **vec intro**, [TS] **vec**, [TS] **vec postestimation**
- forecast, [TS] **forecast**
 - adjust command, [TS] **forecast adjust**
 - clear command, [TS] **forecast clear**
 - coefvector command, [TS] **forecast coefvector**
 - create command, [TS] **forecast create**
 - describe command, [TS] **forecast describe**
 - drop command, [TS] **forecast drop**
 - estimates command, [TS] **forecast estimates**
 - exogenous command, [TS] **forecast exogenous**
 - identity command, [TS] **forecast identity**
 - list command, [TS] **forecast list**
 - query command, [TS] **forecast query**
 - solve command, [TS] **forecast solve**
- forecast-error variance decomposition,
 - [BAYES] **bayesirf**, [TS] **irf**, [TS] **irf create**, [TS] **irf ograph**, [TS] **irf table**, [TS] **var intro**, [TS] **varbasic**, [TS] **vec intro**, [TS] **Glossary**
- forecasting, [BAYES] **bayes: var**
- foreground color, [G-4] **Schemes intro**
- forest plot, [META] **Intro**, [META] **meta**, [META] **meta forestplot**, [META] **Glossary**
- forestplot, meta subcommand, [META] **meta forestplot**
- format command, [D] **format**
- format for
 - coefficient tables, [R] **set cformat**, [U] **20.9 Formatting the coefficient table**
 - contents of macros, [P] **macro**
 - date and time, [D] **Datetime**, [D] **Datetime display formats**, [U] **25.3 Displaying dates and times**
 - business calendars, [D] **Datetime business calendars**, [D] **Datetime business calendars creation**
 - decimal point, see **decimal symbol**, setting
 - exporting graphs, see **graph**, formats for exporting files, see **file format**
 - matrix output, [P] **matlist**
 - variable output, [D] **format**, [U] **12.5 Formats: Controlling how data are displayed**
- format macro function, [P] **macro**

- format width, [M-5] **fmtwidth()**
- format, confirm subcommand, [P] **confirm**
- formatted data, reading, see **import data**
- FORTTRAN, [M-2] **goto**, [M-5] **dsign()**
- forum, [U] **3.2.4 The Stata Forum**
- forvalues command, [P] **forvalues**
- forward operator, [DSGE] **Glossary**, [TS] **Glossary**, [U] **11.4.4 Time-series varlists**
- fourfold tables, [R] **Eptab**
- Fourier transform, [M-5] **fft()**
- fp**
- generate command, [R] **fp**
 - plot command, [R] **fp postestimation**
 - predict command, [R] **fp postestimation**
 - prefix command, [R] **fp**, [R] **fp postestimation**
- FPC, see **finite population correction**
- fpfit, graph twoway subcommand, [G-2] **graph twoway fpfit**
- fpfitci, graph twoway subcommand, [G-2] **graph twoway fpfitci**
- _fput()** function, [M-5] **fopen()**
- fput()** function, [M-5] **fopen()**
- _fputmatrix()** function, [M-5] **fopen()**
- fputmatrix()** function, [M-5] **fopen()**
- fracplot command, [R] **mfp postestimation**
- fracpred command, [R] **mfp postestimation**
- fracreg command, [R] **fracreg**, [R] **fracreg postestimation**
- fraction defective, [R] **QC**
- fraction missing information, [MI] **mi estimate**, [MI] **mi predict**, [MI] **mi test**, [MI] **Glossary**
- fractional polynomial regression, [R] **fp**
- multivariable, [R] **mfp**
- fractional response regression, [R] **fracreg**, [SVY] **svy estimation**, [U] **27.5 Fractional outcomes**
- fractional sample size, see **sample-size**
- fractionally integrated autoregressive moving-average model, [TS] **estat acplot**, [TS] **psdensity**
- frailty, see **shared frailty**
- frailty model, [BAYES] **bayes: streg**, [ME] **mestreg**, [ST] **stcox**, [ST] **stcurve**, [ST] **streg**, [XT] **xtstreg**
- frame**
- change command, [D] **frame change**
 - command, [D] **frame pwf**
 - copy command, [D] **frame copy**
 - create command, [D] **frame create**, [P] **frame post**
 - drop command, [D] **frame drop**
 - post command, [P] **frame post**
 - prefix command, [D] **frame prefix**
 - put command, [D] **frame put**
 - pwf command, [D] **frame pwf**
 - rename command, [D] **frame rename**
- frame**, confirm subcommand, [P] **confirm**
- frames**, [D] **frames intro**, [D] **frames**, [D] **frame prefix**, [U] **12.10 Data frames**
- copying, [D] **frame copy**
 - copying selected variables or observations to, [D] **frame put**
 - creating, [D] **frame change**, [D] **frame copy**, [D] **frame create**
 - current, [D] **frame pwf**
 - displaying names of, [D] **frames dir**
 - dropping, [D] **frame drop**, [D] **frames reset**
 - linking, [D] **frget**, [D] **frlink**
 - listing, [D] **frame pwf**
 - Mata views onto, [D] **frames intro**
 - programming advice, [D] **frames intro**
 - renaming, [D] **frame rename**
 - resetting, [D] **frames reset**
 - with tempnames, [D] **frames intro**
- frames**
- command, [D] **frames intro**, [D] **frames**
 - dir command, [D] **frames dir**
 - reset command, [D] **frames reset**
- frames**, clear subcommand, [D] **clear**, [D] **frames reset**
- frames**, creating, [P] **frame post**
- framework**, estat subcommand, [SEM] **Intro 7**, [SEM] **estat framework**
- _fread()** function, [M-5] **fopen()**
- fread()** function, [M-5] **fopen()**
- FRED, see **Federal Reserve Economic Data**
- fred** import subcommand, [D] **import fred**
- freddescribe** command, [D] **import fred**
- fredkey**, set subcommand, [D] **import fred**, [R] **set fredsearch** command, [D] **import fred**
- free**, constraint subcommand, [R] **constraint**
- free parameter, [ME] **Glossary**
- frequencies,
- creating dataset of, [D] **contract**
 - graphical representation, [G-2] **graph bar**, [G-2] **graph pie**, [G-2] **graph twoway histogram**, [R] **histogram**, [R] **kdensity**
 - table of, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **table summary**, [R] **table**, [R] **tabstat**, [R] **tabulate oneway**, [R] **tabulate twoway**, [R] **tabulate summarize()**, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**, [XT] **xttab**
- frequency weight, [U] **11.1.6 weight**, [U] **20.24.1 Frequency weights**
- [**frequency=exp**] modifier, [U] **11.1.6 weight**, [U] **20.24.1 Frequency weights**
- frequency-domain analysis, [TS] **cumsp**, [TS] **pergram**, [TS] **psdensity**, [TS] **Glossary**
- frequentist concept, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **Glossary**, [MI] **Intro substantive**
- freturrcode()** function, [M-5] **ferrortext()**
- frget** command, [D] **frames intro**, [D] **frget**
- frlink** command, [D] **frames intro**, [D] **frlink**

- from, update subcommand, [R] **update**
- frombase() function, [M-5] **inbase()**
- fromdata, **spmatrix** subcommand, [SP] **spmatrix fromdata**
- frontier command, [R] **frontier**, [R] **frontier postestimation**
- frontier model, see **stochastic frontier model**
- frval() function, [FN] **Programming functions**
- _frval() function, [FN] **Programming functions**
- fsave, window subcommand, [P] **window programming**
- _fseek() function, [M-5] **fopen()**
- fseek() function, [M-5] **fopen()**
- fstatus() function, [M-5] **fopen()**
- Ftail() function, [FN] **Statistical functions**, [M-5] **normal()**
- _ftell() function, [M-5] **fopen()**
- ftell() function, [M-5] **fopen()**
- ftfreqs() function, [M-5] **fft()**
- ftpad() function, [M-5] **fft()**
- ftperiodogram() function, [M-5] **fft()**
- ftretime() function, [M-5] **fft()**
- _ftruncate() function, [M-5] **fopen()**
- ftruncate() function, [M-5] **fopen()**
- ftunwrap() function, [M-5] **fft()**
- ftwrap() function, [M-5] **fft()**
- full
- conditionals, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **Glossary**
 - factorial, [U] **11.4.3 Factor variables**
 - Gibbs sampling, see **Gibbs sampling**
 - model, [PSS-2] **power**, [PSS-2] **power rsquared**, [PSS-5] **Glossary**
- fullsdiag() function, [M-5] **fullsvd()**
- _fullsvd() function, [M-5] **fullsvd()**
- fullsvd() function, [M-5] **fullsvd()**
- fully conditional specification, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **Glossary**
- function, graph twoway subcommand, [G-2] **graph twoway function**
- functions, [U] **13.3 Functions**
- adding to cluster generate, [MV] **cluster programming subroutines**
 - aggregate, [D] **egen**
 - arguments, [M-1] **Returned args**, also see **arguments**
 - combinations of estimators, [R] **lincom**, [R] **nlcom**
 - combinatorial, [FN] **Mathematical functions**, see **comb()** function
 - creating dataset of, [D] **collapse**, [D] **obs**
 - cumulative distribution, [R] **cumul**
 - date and time, [FN] **Date and time functions**, [M-5] **date()**, [U] **25.5 Extracting components of dates and times**
 - declarations, [M-2] **Declarations**
 - derivatives and integrals of, [M-5] **deriv()**, [M-5] **Quadrature()**, [R] **dydx**
 - estimable, [R] **margins**
 - evaluator program, [R] **gmm**, [R] **nl**, [R] **nlshr**
 - functions, *continued*
 - fractional polynomial, [R] **fp**, [R] **mfp**
 - graphing, [D] **range**, [G-2] **graph twoway function**
 - impulse-response, see **impulse-response functions**
 - index, [R] **logistic postestimation**, [R] **logit postestimation**, [R] **probit postestimation**
 - kernel, see **kernel function**
 - likelihood, see **maximum likelihood estimation**
 - linear programming, [M-5] **LinearProgram()**
 - link, [FMM] **fmm: betareg**, [FMM] **fmm: glm**, [R] **betareg**, [R] **glm**
 - macro, [P] **char**, [P] **display**, [P] **macro**, [P] **macro lists**, [P] **setset**
 - Mata, [M-4] **Intro**, [M-5] **Intro**, [M-6] **Glossary**
 - mathematical, [FN] **Mathematical functions**, [M-4] **Intro**
 - matrix, [FN] **Matrix functions**, [M-4] **Matrix**, [P] **matrix define**, [U] **14.8 Matrix functions**
 - maximizing likelihood, see **maximum likelihood estimation**
 - naming convention, [M-1] **Naming**
 - obtaining help for, [R] **help**
 - optimization, [M-5] **LinearProgram()**, [M-5] **moptimize()**, [M-5] **optimize()**, also see **maximum likelihood estimation**
 - orthogonalization, [R] **orthog**
 - parameters, [R] **nlcom**
 - passing to functions, [M-2] **ftof**
 - piecewise cubic and piecewise linear, [R] **mkspline**
 - power, see **power**
 - prediction, [R] **predict**, [R] **predictnl**
 - production and cost, [R] **frontier**, [XT] **xtfrontier**
 - programming, [FN] **Programming functions**, [M-4] **Programming**
 - random-number, [D] **generate**, [FN] **Random-number functions**, [M-5] **runiform()**, [R] **set rng**, [R] **set rngstream**, [R] **set seed**
 - statistical, [FN] **Statistical functions**, [M-5] **normal()**
 - string, [FN] **String functions**, [M-4] **String**
 - time-series, [FN] **Selecting time-span functions**
 - trigonometric, [FN] **Trigonometric functions**, [M-5] **sin()**
 - underscore, [M-6] **Glossary**
 - user-defined weighting matrix, see **spatial weighting matrix**, user-defined
 - variance, [R] **glm**
- funnel plot, [META] **Intro**, [META] **meta**, [META] **meta funnelplot**, [META] **meta bias**, [META] **meta trimfill**, [META] **Glossary**
- funnelplot, meta subcommand, [META] **meta funnelplot**
- future history, [ST] **stset**, [ST] **Glossary**
- fvbase, set subcommand, [R] **set**
- fvexpand command, [P] **fvexpand**
- fvlabel, set subcommand, [R] **set**, [R] **set showbaselevels**
- fvrevar command, [R] **fvrevar**

generalized, *continued*

- method of moments, [P] **matrix accum**,
[SEM] **Glossary**, [U] **27.23 Generalized
method of moments (GMM)**, [XT] **xtabond**,
[XT] **xtdpd**, [XT] **xtdpdsys**, *also see* **gmm**
command
- negative binomial regression, [R] **nbreg**, [SVY] **svy
estimation**
- partial credit model, [IRT] **irt pcm**, [IRT] **Glossary**
- response variables, [SEM] **Intro 2**, [SEM] **Intro 5**,
[SEM] **gsem family-and-link options**
- responses, combined, [SEM] **Example 34g**
- Schur decomposition, [M-5] **gschurd()**
- SEM, [SEM] **Glossary**, *also see* **gsem** command

generate,

- cluster** subcommand, [MV] **cluster generate**
- fp** subcommand, [R] **fp**
- icd10** subcommand, [D] **icd10**
- icd10cm** subcommand, [D] **icd10cm**
- icd10pcs** subcommand, [D] **icd10pcs**
- icd9** subcommand, [D] **icd9**
- icd9p** subcommand, [D] **icd9p**
- sts** subcommand, [ST] **sts generate**

generate command, [D] **generate**, [MI] **mi passive**,
[MI] **mi xeq**

generate data, [D] **dyngen**

generate functions, adding, [MV] **cluster
programming subroutines**

generate variable, [D] **egen**, [D] **generate**, [ST] **stgen**,
[ST] **sts generate**

geographic information system, [SP] **Glossary**
data, [SP] **Glossary**

geographic units, [SP] **Intro 2**, [SP] **Glossary**

get,

- collect** subcommand, [TABLES] **collect get**
- constraint** subcommand, [R] **constraint**
- net** subcommand, [R] **net**

get() function, [FN] **Matrix functions**, [P] **matrix
define**, [P] **matrix get**

getmata command, [D] **putmata**

getting started, [U] **1 Read this—it will help**

Getting Started with Stata manuals, [U] **1.1 Getting
Started with Stata**

- keyword search of, [U] **4 Stata's help and search
facilities**

gettoken command, [P] **gettoken**

Geweke–Hajivassiliou–Keane multivariate normal
simulator, [M-5] **ghk()**, [M-5] **ghkfast()**

ggof, **estat** subcommand, [SEM] **Intro 7**,
[SEM] **estat ggof**, [SEM] **Methods and formulas
for sem**

ghalton() function, [M-5] **halton()**

_ghessenbergd() function, [M-5] **ghessenbergd()**

ghessenbergd() function, [M-5] **ghessenbergd()**

_ghessenbergd_la() function, [M-5] **ghessenbergd()**

ghk() function, [M-5] **ghk()**

ghkfast() function, [M-5] **ghkfast()**

ghkfast_i() function, [M-5] **ghkfast()**

ghkfast_init() function, [M-5] **ghkfast()**

ghkfast_init_* function, [M-5] **ghkfast()**

ghkfast_query_* function, [M-5] **ghkfast()**

ghk_init() function, [M-5] **ghk()**

ghk_init_* function, [M-5] **ghk()**

ghk_query_npts() function, [M-5] **ghk()**

GHQ, *see* **quadrature**, **Gauss–Hermite**, *see* **Gauss–
Hermite quadrature**

Gibbs sampling, [BAYES] **Intro**, [BAYES] **bayes**,
[BAYES] **bayesmh**, [BAYES] **Glossary**

GIF, *see* **Graphics Interchange Format**

ginvariant, **estat** subcommand, [SEM] **Intro 7**,
[SEM] **estat ginvariant**

GIS, *see* **geographic information system**

GJR, *see* **threshold autoregressive conditional
heteroskedasticity**

gladder command, [R] **ladder**

Glass's Δ , [META] **meta esize**, [META] **Glossary**

GLLAMM, *see* **generalized linear latent and mixed
model**

gllamm command, [R] **gllamm**

GLM, *see* **generalized linear model**

glm command, [R] **glm**, [R] **glm postestimation**

GLME, *see* **generalized linear mixed-effects model**

GLMM, *see* **generalized linear mixed-effects model**

Global, class prefix operator, [P] **class**

global command, [P] **macro**, [U] **18.3.2 Global
macros**, [U] **18.3.10 Advanced global macro
manipulation**

global variable, [M-2] **Declarations**,
[M-5] **direxternal()**, [M-5] **findexternal()**,
[M-5] **valofexternal()**, [M-6] **Glossary**

glaccum, **matrix** subcommand, [P] **matrix accum**

GMM, *see* **generalized method of moments**

gmm command, [R] **gmm**, [R] **gmm postestimation**

gnbreg command, [R] **nbreg**, [R] **nbreg
postestimation**

gof, **estat** subcommand, [R] **estat gof**, [R] **poisson
postestimation**, [SEM] **Intro 7**, [SEM] **estat
gof**, [SEM] **Methods and formulas for sem**,
[SVY] **estat**

gofplot, **estat** subcommand, [ST] **stintreg
postestimation**

Gompertz survival regression, [BAYES] **bayes: streg**,
[ST] **stintreg**, [ST] **streg**

Gönen and **Heller's K**, [ST] **stcox** **postestimation**

Goodman and **Kruskal's gamma**, [R] **tabulate twoway**

goodness of fit, [R] **brier**, [R] **Diagnostic plots**,

[R] **estat gof**, [R] **ksmirnov**, [R] **linktest**,

[R] **logistic postestimation**, [R] **lrtest**,

[R] **poisson postestimation**, [R] **regress**

postestimation, [SEM] **Intro 7**, [SEM] **estat**

eggof, [SEM] **estat ggof**, [SEM] **estat gof**,

[SEM] **estat lgof**, [SEM] **Example 3**,

[SEM] **Example 4**, [SEM] **Example 51g**,

[SEM] **Glossary**, [SVY] **estat**, *also see* **deviance**

residual, *also see* **normal distribution and**

normality, **test for**

plot, [ST] **stintreg** **postestimation**

goto, [M-2] **goto**

Gower coefficient similarity measure,
[MV] *measure_option*

GPCM, see *generalized partial credit model*

gpcm, **irt** subcommand, [IRT] **irt pcm**, [IRT] **irt pcm**
postestimation

.gph file, [G-2] **graph manipulation**, [G-4] **Concept:
gph files**, [G-4] **Glossary**, [U] **11.6 Filenaming
conventions**

describing contents, [G-2] **graph describe**

graded response model, [IRT] **irt grm**, [IRT] **Glossary**
grammar, [M-2] **Syntax**

Granger causality, [TE] **DID intro**, [TE] **didregress**,
[TE] **didregress postestimation**,
[TS] **vargranger**, [TS] **Glossary**

granger, **estat** subcommand, [TE] **didregress**
postestimation

grangerplot, **estat** subcommand, [TE] **didregress**
postestimation

graph

bar command, [G-2] **graph bar**

box command, [G-2] **graph box**

close command, [G-2] **graph close**

combine command, [G-2] **graph combine**
command, [G-2] **graph**

copy command, [G-2] **graph copy**

describe command, [G-2] **graph describe**

dir command, [G-2] **graph dir**

display command, [G-2] **graph display**

dot command, [G-2] **graph dot**,
[G-3] *area_options*, [G-3] *line_options*

drop command, [G-2] **graph drop**

export command, [G-2] **graph export**

hbar command, [G-2] **graph bar**

hbox command, [G-2] **graph box**

matrix command, [G-2] **graph matrix**

pie command, [G-2] **graph pie**

play command, [G-2] **graph play**

print command, [G-2] **graph print**,

[G-3] *pr_options*

query command, [G-2] **graph query**

rename command, [G-2] **graph rename**

replay command, [G-2] **graph replay**

save command, [G-2] **graph save**

set command, [G-2] **graph set**

set print command, [G-2] **graph set**

twoway area command, [G-2] **graph twoway area**

twoway bar command, [G-2] **graph twoway bar**

twoway command, [G-2] **graph twoway**

twoway connected command, [G-2] **graph twoway
connected**

twoway contour command, [G-2] **graph twoway
contour**

twoway contourline command, [G-2] **graph
twoway contourline**

twoway dot command, [G-2] **graph twoway dot**

twoway dropline command, [G-2] **graph twoway
dropline**

graph, *continued*

twoway ffit command, [G-2] **graph twoway ffit**
twoway ffitci command, [G-2] **graph twoway
ffitci**

twoway function command, [G-2] **graph twoway
function**

twoway histogram command, [G-2] **graph twoway
histogram**

twoway kdensity command, [G-2] **graph twoway
kdensity**

twoway lfit command, [G-2] **graph twoway lfit**

twoway lfitci command, [G-2] **graph twoway
lfitci**

twoway line command, [G-2] **graph twoway line**

twoway lowess command, [G-2] **graph twoway
lowess**

twoway lpoly command, [G-2] **graph twoway
lpoly**

twoway lpolyci command, [G-2] **graph twoway
lpolyci**

twoway mband command, [G-2] **graph twoway
mband**

twoway mspline command, [G-2] **graph twoway
mspline**

twoway pcarrow command, [G-2] **graph twoway
pcarrow**

twoway pcarrowi command, [G-2] **graph twoway
pcarrowi**

twoway pccarrow command, [G-2] **graph twoway
pccarrow**

twoway pccapsym command, [G-2] **graph twoway
pccapsym**

twoway pci command, [G-2] **graph twoway pci**

twoway pscatter command, [G-2] **graph twoway
pscatter**

twoway pspike command, [G-2] **graph twoway
pspike**

twoway qfit command, [G-2] **graph twoway qfit**
twoway qfitci command, [G-2] **graph twoway
qfitci**

twoway rarea command, [G-2] **graph twoway
rarea**

twoway rbar command, [G-2] **graph twoway rbar**

twoway rcap command, [G-2] **graph twoway rcap**

twoway rcapsym command, [G-2] **graph twoway
rcapsym**

twoway rconnected command, [G-2] **graph
twoway rconnected**

twoway rline command, [G-2] **graph twoway
rline**

twoway rscatter command, [G-2] **graph twoway
rscatter**

twoway rspike command, [G-2] **graph twoway
rspike**

twoway scatter command, [G-2] **graph twoway
scatter**

twoway scatteri command, [G-2] **graph twoway
scatteri**

graph, continued

twoway spike command, [G-2] **graph twoway spike**
 twoway tsline command, [G-2] **graph twoway tsline**
 twoway tsrline command, [G-2] **graph twoway tsline**
 use command, [G-2] **graph use**
graph,
 bayesfcst subcommand, [BAYES] **bayesfcst graph**
 bayesirf subcommand, [BAYES] **bayesirf graph**
 fcst subcommand, [TS] **fcst graph**
 irf subcommand, [TS] **irf graph**
 ml subcommand, [R] **ml**
 sts subcommand, [ST] **sts graph**
graph objects, [G-4] **Glossary**
 size of, [G-4] **size**
graph,
 added-variable plot, [R] **regress postestimation diagnostic plots**
 adjusted Kaplan–Meier survivor curves, [ST] **sts**
 adjusted partial residual plot, [R] **regress postestimation diagnostic plots**
 apply recording, [G-2] **graph play**
 augmented component-plus-residual plot, [R] **regress postestimation diagnostic plots**
 augmented partial residual plot, [R] **regress postestimation diagnostic plots**
 autocorrelations, [TS] **corrgram**
 bar, see **bar chart**
 baseline cumulative hazard, [ST] **stcurve**, [ST] **sts**, [ST] **sts graph**
 baseline failure, [ST] **stcurve**, [ST] **sts**, [ST] **sts graph**
 baseline hazard, [ST] **stcurve**, [ST] **sts**, [ST] **sts graph**
 baseline survivor, [ST] **stcurve**, [ST] **sts**, [ST] **sts graph**
 Bayesian, [BAYES] **bayesgraph**
 binary variable cumulative sum, [R] **cusum**
 biplot, [MV] **biplot**, [MV] **ca postestimation plots**
 box, see **box plot**
 CA dimension projection, [MV] **ca postestimation plots**
 cluster tree, see **graph**, **dendrogram**
 component-plus-residual, [R] **regress postestimation diagnostic plots**
 concentration–time curve, [R] **pk**
 conditional mean function, [R] **npregress kernel postestimation**
 contrasts, see **graph**, **margins**
 correlogram, [TS] **corrgram**
 Cox predicted survival curve, [ST] **stintcox PH-assumption plots**

graph, continued

cross-correlogram, [TS] **xcorr**
 cross-sectional time-series data, [XT] **xtdata**, [XT] **xtline**
 cumulative distribution, [R] **cumul**
 cumulative hazard function, [ST] **stcurve**, [ST] **sts graph**
 cumulative spectral density, [TS] **cumsp**
 dendrogram, [MV] **cluster**, [MV] **clustermat**, [MV] **cluster dendrogram**, [MV] **cluster generate**, [MV] **cluster linkage**, [MV] **cluster stop**, [MV] **Glossary**
 density, [R] **kdensity**, [TE] **tebalance density**, [TE] **tebalance overid**, [TE] **teoverlap**
 density-distribution sunflower, [R] **sunflower**
 derivatives, [R] **dydx**, [R] **testnl**
 describing contents, [G-2] **graph describe**
 diagnostic, [R] **Diagnostic plots**
 dot, see **dot plot**
 eigenvalue
 after discrim lda, [MV] **discrim lda postestimation**, [MV] **screepplot**
 after factor, [MV] **factor postestimation**, [MV] **screepplot**
 after manova, [MV] **screepplot**
 after mca, [MV] **screepplot**
 after mds, [MV] **screepplot**
 after pca, [MV] **pca postestimation**, [MV] **screepplot**
 error-bar charts, [R] **serrbar**
 forecasts, [BAYES] **bayesfcst graph**, [TS] **fcst graph**
 formats for exporting, [G-2] **graph export**
 fractional polynomial, [R] **fp postestimation**
 functions, [D] **obs**, [D] **range**
 hazard function, [ST] **ltable**, [ST] **stcurve**, [ST] **sts graph**
 histograms, [R] **histogram**, [R] **kdensity**
 impulse–response functions, [BAYES] **bayesirf**, [BAYES] **bayesirf graph**, [BAYES] **bayesirf cgraph**, [BAYES] **bayesirf ograph**, [TS] **irf**, [TS] **irf cgraph**, [TS] **irf graph**, [TS] **irf ograph**
 integrals, [R] **dydx**
 interaction plots, [R] **marginsplot**
 item response theory, [IRT] **irtgraph icc**, [IRT] **irtgraph tcc**, [IRT] **irtgraph iif**, [IRT] **irtgraph tif**, [MV] **biplot**
 Kaplan–Meier survivor curves, [ST] **stcox PH-assumption tests**, [ST] **sts**, [ST] **sts graph**
 ladder-of-power histograms, [R] **ladder**
 lasso
 BIC plot, [LASSO] **bicplot**
 coefficient plot, [LASSO] **coefpath**
 cross-validation function plot, [LASSO] **cvplot**
 letter-value display, [R] **lv**
 leverage-versus-(squared)-residual, [R] **regress postestimation diagnostic plots**

graph, *continued*

loading

after **candisc**, [MV] **candisc**, [MV] **scoreplot**
 after **discrim lda**, [MV] **discrim lda**,
 [MV] **discrim lda postestimation**,
 [MV] **scoreplot**
 after **factor**, [MV] **factor postestimation**,
 [MV] **scoreplot**
 after **pca**, [MV] **pca postestimation**,
 [MV] **scoreplot**

log–log curve, [ST] **stcox PH-assumption tests**

log–log survival curve, [ST] **stintcox PH-**
assumption plots

logistic diagnostic, [R] **logistic postestimation**,
 [R] **lsens**

lowess smoothing, [R] **lowess**

margins, [U] **20.20 Graphing margins, marginal**
effects, and contrasts

margins plots, [R] **marginsplot**

matrix, see **scatterplot matrices**

MDS configuration, [MV] **mds postestimation plots**

means and medians, [R] **grmeanby**

normal probability, [R] **Diagnostic plots**

overall look of, [G-4] **Schemes intro**

overlap plot, [TE] **teoverlap**

parameterized curves, [D] **range**

parametric autocorrelation, [TS] **estat acplot**

parametric autocovariance, [TS] **estat acplot**

parametric stability, [TS] **estat sbcusum**

partial correlogram, [TS] **corrgram**

partial residual, [R] **regress postestimation**
diagnostic plots

partial-regression leverage, [R] **regress**
postestimation diagnostic plots

periodogram, [TS] **pergram**

pie, see **pie chart**

power and sample size, [PSS-2] **power, graph**

precision and sample size, [PSS-3] **ciwidth, graph**

procrustes overlay, [MV] **procrustes postestimation**

profile plots, [R] **marginsplot**

quality control, [R] **QC**

quantile, [R] **Diagnostic plots**

quantile–normal, [R] **Diagnostic plots**

quantile–quantile, [R] **Diagnostic plots**

region, [G-3] **region_options**, [G-4] **Glossary**

regression diagnostic, [R] **regress postestimation**
diagnostic plots

residual versus fitted, [R] **regress postestimation**
diagnostic plots

residual versus predictor, [R] **regress postestimation**
diagnostic plots

ROC curve, [R] **lroc**, [R] **roccomp**, [R] **rocfit**
postestimation, [R] **rocregplot**, [R] **roctab**

rootograms, [R] **spikeplot**

saving, [G-3] **saving_option**

scatterplot matrix, see **scatterplot matrices**

graph, *continued*

score

after **candisc**, [MV] **candisc**, [MV] **scoreplot**
 after **discrim lda**, [MV] **discrim lda**,
 [MV] **discrim lda postestimation**,
 [MV] **scoreplot**

after **factor**, [MV] **factor postestimation**,
 [MV] **scoreplot**

after **pca**, [MV] **scoreplot**

scree

after **canon**, [MV] **screepplot**

after **ca**, [MV] **screepplot**

after **discrim lda**, [MV] **discrim lda**
postestimation, [MV] **screepplot**

after **factor**, [MV] **factor postestimation**,
 [MV] **screepplot**

after **manova**, [MV] **screepplot**

after **mca**, [MV] **screepplot**

after **mds**, [MV] **screepplot**

after **pca**, [MV] **pca postestimation**,
 [MV] **screepplot**

Shepard diagram, [MV] **mds postestimation plots**

smoothing, [R] **kdensity**, [R] **lowess**, [R] **lpoly**

spatial data, [SP] **grmap**

spike plot, [R] **spikeplot**

stem-and-leaf, [R] **stem**

sunflower, [R] **sunflower**

suppressing, [G-3] **nodraw_option**

survivor function, [ST] **stcurve**, [ST] **sts graph**

symmetry, [R] **Diagnostic plots**

text, [G-4] **text**

time-versus-concentration curve, [R] **pkexamine**

treatment-effects balance, [TE] **tebalance box**,

[TE] **tebalance density**, [TE] **tebalance overid**

treatment-effects overlap, [TE] **teoverlap**

Turnbull's nonparametric survival curve,

[ST] **stintcox PH-assumption plots**

two-way, see **two-way graphs**

white-noise test, [TS] **wntestb**

Graph Editor, [G-1] **Graph Editor**

apply recording, [G-2] **graph play**

graphical user interface, [IRT] **Control Panel**,

[P] **Dialog programming**, [PSS-2] **GUI**

(**power**), [PSS-2] **power**, [PSS-3] **GUI (ciwidth)**,

[PSS-3] **ciwidth**, [SEM] **Builder**, [SEM] **Builder**,

generalized, [SEM] **Glossary**

examples of, [U] **2 A brief description of Stata**

graphics,

query subcommand, [G-2] **set graphics**, [G-2] **set**

printcolor, [G-2] **set scheme**, [R] **query**

set subcommand, [G-2] **set graphics**, [R] **set**

Graphics Interchange Format, [G-2] **graph export**,

[G-3] **gif_options**, [G-4] **Glossary**

graphregion() option, [G-3] **region_options**

grdistances, **estat** subcommand, [MV] **discrim**

lda postestimation, [MV] **discrim qda**

postestimation

greater than (or equal) operator, see **relational operators**

.grec file, [U] **11.6 Filenaming conventions**

Greenhouse–Geisser epsilon, [R] **anova**

Greenhouse–Geisser correction, see **nonsphericity correction**

Greenwood confidence intervals, [ST] **sts**

greport,
 estat subcommand, [IRT] **estat greport**

grey literature, [META] **Intro**, [META] **Glossary**

grid
 definition, [G-4] **gridstyle**, [G-4] **Glossary**
 lines, [G-3] **axis_label_options**
 without ticks, [G-4] **tickstyle**

gridstyle, [G-4] **gridstyle**, [G-4] **Glossary**

GRM, see **graded response model**

grm, irt subcommand, [IRT] **irt grm**, [IRT] **irt grm postestimation**

grmap command, [SP] **Intro 7**, [SP] **grmap**

grmeanby command, [R] **grmeanby**

grmeans, estat subcommand, [MV] **discrim lda postestimation**

group(), egen function, [D] **egen**

group, estat subcommand, [ME] **estat group**, [ME] **menl postestimation**, [ME] **mixed postestimation**

group invariance test, [SEM] **estat ginvariant**, [SEM] **Methods and formulas for sem**

group randomized trial, see **cluster randomized design**

group weights, [PSS-2] **power trend**

group-data regression, [R] **intreg**

grouping variables, generating, [MV] **cluster generate**

groups, graphs by, [G-3] **by_option**

groupvar, [U] **11.4 varname and varlists**

grsummarize, estat subcommand, [MV] **candisc**, [MV] **discrim estat**

GRT, see **cluster randomized design**

grubin, bayesstats subcommand,
 [BAYES] **bayesstats grubin**

gs1 print color mapping, [G-2] **set printcolor**

gs2 print color mapping, [G-2] **set printcolor**

gs3 print color mapping, [G-2] **set printcolor**

_gschurd() function, [M-5] **gschurd()**

gschurd() function, [M-5] **gschurd()**

_gschurdgroupby() function, [M-5] **gschurd()**

gschurdgroupby() function, [M-5] **gschurd()**

_gschurdgroupby_la() function, [M-5] **gschurd()**

_gschurd_la() function, [M-5] **gschurd()**

gsem command, [SEM] **Builder**, **generalized**, [SEM] **gsem**, [SEM] **Methods and formulas for gsem**

examples,
 endogenous treatment effects,
 [SEM] **Example 46g**
 finite mixture Poisson, [SEM] **Example 53g**, [SEM] **Example 54g**

gsem command, examples, *continued*
 generalized response, [SEM] **Example 1**, [SEM] **Example 27g**, [SEM] **Example 30g**, [SEM] **Example 31g**, [SEM] **Example 32g**, [SEM] **Example 33g**, [SEM] **Example 34g**, [SEM] **Example 35g**, [SEM] **Example 36g**, [SEM] **Example 37g**, [SEM] **Example 39g**

Heckman selection, [SEM] **Example 45g**

interval regression, [SEM] **Example 44g**

item response theory, [SEM] **Example 28g**, [SEM] **Example 29g**

latent class, [SEM] **Example 50g**, [SEM] **Example 51g**

latent profile, [SEM] **Example 52g**

multilevel, [SEM] **Example 30g**, [SEM] **Example 38g**, [SEM] **Example 39g**, [SEM] **Example 40g**, [SEM] **Example 41g**, [SEM] **Example 42g**

survival model, [SEM] **Example 47g**, [SEM] **Example 48g**, [SEM] **Example 49g**

tobit regression, [SEM] **Example 43g**

options, [SEM] **gsem estimation options**, [SEM] **gsem family-and-link options**, [SEM] **gsem group options**, [SEM] **gsem lclass options**, [SEM] **gsem model description options**, [SEM] **gsem reporting options**, [SEM] **sem and gsem option constraints()**, [SEM] **sem and gsem option covstructure()**, [SEM] **sem and gsem option from()**, [SEM] **sem and gsem option reliability()**, [SEM] **sem and gsem syntax options**

path notation, [SEM] **gsem path notation extensions**, [SEM] **sem and gsem path notation**

postestimation, [SEM] **gsem postestimation**

gsort command, [D] **gsort**

guessing, [IRT] **Glossary**

guessing parameter, [IRT] **irt 3pl**

GUI, see **graphical user interface**

H

H^2 statistic, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta regress**, [META] **meta mvregress**, [META] **estat heterogeneity**, [META] **Glossary**

H2O, [P] **H2O intro**

_h2oframe command, [P] **H2O intro**

HAC variance estimate, [R] **binreg**, [R] **glm**, [R] **gmm**, [R] **ivregress**, [R] **nl**, [XT] **xtointtest**, [XT] **xtgls**, [XT] **xtunitroot**

hadamard() function, [FN] **Matrix functions**, [P] **matrix define**

Hadamard matrix, [SVY] **svy brr**, [SVY] **Glossary**

Hadri Lagrange multiplier stationarity test, [XT] **xtunitroot**

hadri, xtunitroot subcommand, [XT] **xtunitroot**

half option, [G-2] **graph matrix**

halfyear() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**

- halfyearly() function, [D] **Datetime**, [D] **Datetime conversion**, [FN] **Date and time functions**, [M-5] **date()**
- _halton() function, [M-5] **halton()**
- halton() function, [M-5] **halton()**
- Halton set, [M-5] **halton()**
- Hamann coefficient similarity measure, [MV] **measure_option**
- Hammersley set, [M-5] **halton()**
- Hansen's *J* statistic, [R] **gmm**, [R] **gmm postestimation**, [R] **ivpoisson**, [R] **ivpoisson postestimation**, [R] **ivregress**
- Harbord test, [META] **meta bias**
- Harbord, Egger, and Sterne test, [META] **meta bias**
- hard missing value, [MI] **mi impute**, [MI] **Glossary**
- harmonic mean, [R] **ameans**
- Harrell's *C*, [ST] **stcox postestimation**
- Harris–Tzavalis test, [XT] **xtunitroot**
- has_eprop() function, [FN] **Programming functions**
- hash functions, [M-5] **hash1()**, [M-6] **Glossary**
- hash tables, [M-5] **asarray()**, [M-5] **AssociativeArray()**, [M-6] **Glossary**
- hash1() function, [M-5] **hash1()**
- hashing, [M-6] **Glossary**
- hasmissing() function, [M-5] **missing()**
- hat matrix, see **projection matrix**, diagonal elements of
- hausman command, [R] **hausman**
- Hausman specification test, [R] **hausman**, [XT] **xtreg postestimation**
- Hausman–Taylor estimator, [XT] **xthtaylor**
- Haver Analytics databases, importing from, [D] **import haver**
- haver import subcommand, [D] **import haver**
- haverdir, set subcommand, [D] **import haver**, [R] **set**
- hazard, [TE] **etregress**, [TE] **Glossary**
- contributions, [ST] **Glossary**
- control-group, [PSS-2] **power exponential**, [PSS-2] **power logrank**
- experimental-group, [PSS-2] **power exponential**, [PSS-2] **power logrank**
- function, [ST] **sts**, [ST] **sts generate**, [ST] **sts list**, [ST] **Glossary**
- graph of, [ST] **ltable**, [ST] **stcurve**, [ST] **sts graph**
- rate, [PSS-2] **power exponential**, [PSS-2] **power logrank**
- ratio, [BAYES] **bayes: mestreg**, [BAYES] **bayes: streg**, [FMM] **estat eform**, [ME] **mestreg**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [R] **eform_option**, [R] **lincom**, [SEM] **estat eform**, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**, [ST] **stintreg**, [ST] **stintreg postestimation**, [ST] **streg**, [ST] **streg postestimation**, [ST] **sts test**, [ST] **Glossary**, [TE] **Glossary**
- hazard, *continued*
- tables, [ST] **ltable**
- two-sample, [PSS-2] **power exponential**, [PSS-2] **power logrank**
- hbar, graph subcommand, [G-2] **graph bar**
- hbox, graph subcommand, [G-2] **graph box**
- headlabel option, [G-2] **graph twoway pccapsym**, [G-2] **graph twoway pcscatter**
- health ratio, [R] **binreg**
- heckman command, [R] **heckman**, [R] **heckman postestimation**
- Heckman selection model, see **selection model**
- heckprobit command, [R] **heckprobit**, [R] **heckprobit postestimation**
- heckpoisson command, [R] **heckpoisson**, [R] **heckpoisson postestimation**
- heckprobit command, [R] **heckprobit**, [R] **heckprobit postestimation**
- Hedges's *g*, [META] **meta esize**, [META] **Glossary**
- height() textbox option, [G-3] **added_text_options**
- Helmert contrasts, [R] **contrast**
- help, [M-1] **help**
- mata subcommand, [M-3] **mata help**
- view subcommand, [R] **view**
- help command, [M-3] **mata help**, [R] **help**, [U] **4 Stata's help and search facilities**
- writing your own, [U] **18.11.6 Writing system help**
- help_d, view subcommand, [R] **view**
- help—I don't know what to do, [U] **3 Resources for learning and using Stata**
- Henze–Zirkler normality test, [MV] **mvtest normality**
- Hermitian
- adjoin, [M-2] **op_transpose**, [M-5] **conj()**
- matrices, [M-5] **issymmetric()**, [M-5] **makesymmetric()**, [M-6] **Glossary**
- transpose, [M-2] **op_transpose**, [M-5] **conj()**
- Hessenberg
- decomposition, [M-5] **hessenbergd()**, [M-6] **Glossary**
- form, [M-6] **Glossary**
- _hessenbergd() function, [M-5] **hessenbergd()**
- hessenbergd() function, [M-5] **hessenbergd()**
- _hessenbergd_la() function, [M-5] **hessenbergd()**
- heterogeneity, [META] **Intro**, [META] **meta forestplot**, [META] **meta summarize**, [META] **meta galbraithplot**, [META] **meta labbeplot**, [META] **meta funnelplot**, [META] **meta bias**, [META] **Glossary**
- parameter, [META] **Glossary**
- test, [R] **Epitab**
- heterogeneity, estat subcommand, [META] **estat heterogeneity**

- heteroskedastic
 - errors, see **heteroskedastic linear regression**
 - linear regression, [BAYES] **bayes: hetregress**, [R] **hetregress**, [R] **qreg**, [R] **vwls**, [SVY] **svy estimation**, [U] **27.3.3 Regression with heteroskedastic errors**, *also see* **robust**, **Huber/White/sandwich estimator of variance**
- ordered
 - probit regression, [BAYES] **bayes: hetoprobit**, [R] **hetoprobit**, [SVY] **svy estimation**
 - probit regression, [BAYES] **bayes: hetoprobit**, [R] **hetoprobit**, [SVY] **svy estimation**
- heteroskedasticity, see **HAC variance estimate**
- ARCH model, see **autoregressive conditional heteroskedasticity model**
- conditional, [R] **regress postestimation time series**
- GARCH model, see **generalized autoregressive conditional heteroskedasticity**
- Newey–West estimator, see **Newey–West regression**
- robust variance, see **robust**, **Huber/White/sandwich estimator of variance**
- test, [R] **hetoprobit**, [R] **hetprobit**, [R] **hetregress**, [R] **regress postestimation**, [R] **regress postestimation time series**, [R] **sdtest**
- hetoprobit command, [R] **hetoprobit**, [R] **hetoprobit postestimation**
- hetprobit command, [R] **hetprobit**, [R] **hetprobit postestimation**
- hetregress command, [R] **hetregress**, [R] **hetregress postestimation**
- hettest, **estat** subcommand, [R] **regress postestimation**
- hexadecimal, [D] **Glossary**
- hexadecimal report, [D] **hexdump**
- hexdump command, [D] **hexdump**
- Heywood
 - case, [MV] **factor**, [MV] **Glossary**
 - solution, [MV] **factor**, [MV] **Glossary**
- hh() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- hhC() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- hidden stored results, see **results**, **stored**, **hidden or historical**
- hierarchical
 - cluster analysis, [MV] **cluster**, [MV] **clustermat**, [MV] **cluster linkage**
 - clustering, [MV] **Glossary**
 - model, [ME] **Glossary**, *also see* **multilevel model**
 - regression, [R] **nestreg**, [R] **stepwise**
 - samples, [R] **anova**, [R] **gllamm**, [R] **loneway**, [R] **areg**
- Higgins–Thompson statistic, [META] **estat heterogeneity**
- higher ASCII, see **extended ASCII**
- higher-level variables, see **first-level variables**
- higher-order models, see **confirmatory factor analysis**
- highest posterior density
 - credible interval, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats summary**, [BAYES] **Glossary**
 - region, [BAYES] **Intro**, [BAYES] **Glossary**
- high-low charts, [G-2] **graph twoway rbar**, [G-2] **graph twoway rcap**, [G-2] **graph twoway rspike**
- high-pass filter, [TS] **tsfilter bw**, [TS] **tsfilter hp**, [TS] **Glossary**
- Hilbert() function, [M-5] **Hilbert()**
- Hildreth–Lu regression, [TS] **prais**
- HILO, [M-5] **byteorder()**
- histogram command, [R] **histogram**
- histogram, **graph twoway** subcommand, [G-2] **graph twoway histogram**
- histograms, [G-2] **graph twoway histogram**, [R] **histogram**
 - dotplots, [R] **dotplot**
 - kernel density estimator, [R] **kdensity**
 - ladder-of-powers, [R] **ladder**
 - of categorical variables, [R] **histogram**
 - rootograms, [R] **spikeplot**
 - stem-and-leaf, [R] **stem**
- historical stored results, see **results**, **stored**, **hidden or historical**
- histories, [G-2] **graph bar**, [G-2] **graph box**, [G-2] **graph matrix**, [G-2] **graph pie**, [G-2] **graph twoway histogram**, [G-3] **by_option**
- hms() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- Hodrick–Prescott filter, [TS] **tsfilter**, [TS] **tsfilter hp**
- hofd() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- Hogsmead fictional location, [SP] **Intro 2**
- Hogwarts fictional location, [SP] **Intro 2**
- hold,
 - _estimates** subcommand, [P] **_estimates**
 - _return** subcommand, [P] **_return**
- Holm’s multiple-comparison adjustment, see **multiple comparisons**, **Holm’s method**
- Holt–Winters smoothing, [TS] **tssmooth**, [TS] **tssmooth exponential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**, [TS] **Glossary**
- homogeneity, [META] **Intro**, [META] **meta forestplot**, [META] **Glossary**
 - of variances, [R] **oneway**, [R] **sdtest**
 - test, [META] **meta**, [META] **meta summarize**, [META] **Glossary**, [R] **Epitab**
- homoskedasticity tests, [R] **regress postestimation**
- Horst normalization, see **Kaiser normalization**

- Hosmer–Lemeshow
 delta² influence statistic, see [delta \$\chi^2\$ influence statistic](#)
 delta deviance influence statistic, see [delta deviance influence statistic](#)
 goodness-of-fit test, [R] [estat gof](#), [SVY] [estat](#)
 hot, [ssc](#) subcommand, [R] [ssc](#)
 hotelling command, [MV] [hotelling](#)
 Hotelling's
 generalized T^2 statistic, [MV] [manova](#)
 T^2 , [MV] [hotelling](#), [MV] [mvtest means](#), [MV] [Glossary](#)
 hours() function, [D] [Datetime durations](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
 hp, [tsfilter](#) subcommand, [TS] [tsfilter hp](#)
 HPD
 credible interval, see [highest posterior density credible interval](#)
 region, see [highest posterior density region](#)
 _hqrd() function, [M-5] [qrd\(\)](#)
 hqrd() function, [M-5] [qrd\(\)](#)
 hqrdmultq() function, [M-5] [qrd\(\)](#)
 hqrdmultq1t() function, [M-5] [qrd\(\)](#)
 _hqrdp() function, [M-5] [qrd\(\)](#)
 hqrdp() function, [M-5] [qrd\(\)](#)
 _hqrdp_la() function, [M-5] [qrd\(\)](#)
 hqrdq() function, [M-5] [qrd\(\)](#)
 hqrdq1() function, [M-5] [qrd\(\)](#)
 hqrdr() function, [M-5] [qrd\(\)](#)
 hqrdri() function, [M-5] [qrd\(\)](#)
 HSV values, see [hue, saturation, and value \(HSV\) values](#)
 ht, [xtunitroot](#) subcommand, [XT] [xtunitroot](#)
 HTML, [R] [etable](#), [RPT] [Dynamic documents intro](#), [RPT] [dyndoc](#), [RPT] [dyntext](#), [RPT] [html2docx](#), [RPT] [markdown](#), [TABLES] [collect export](#), [TABLES] [collect style html](#), [U] [21.2 The dynamic document commands](#)
 html2docx command, [RPT] [html2docx](#)
 httpproxy, [set](#) subcommand, [R] [netio](#), [R] [set](#)
 httpproxyauth, [set](#) subcommand, [R] [netio](#), [R] [set](#)
 httpproxyhost, [set](#) subcommand, [R] [netio](#), [R] [set](#)
 httpproxyport, [set](#) subcommand, [R] [netio](#), [R] [set](#)
 httpproxypw, [set](#) subcommand, [R] [netio](#), [R] [set](#)
 httpproxyuser, [set](#) subcommand, [R] [netio](#), [R] [set](#)
 https://www.stata.com, [U] [3.2.1 The Stata website \(www.stata.com\)](#)
 Huber weighting, [R] [rreg](#)
 Huber/White/sandwich estimator of variance, see [robust, Huber/White/sandwich estimator of variance](#)
 hue, saturation, and value (HSV) values, [G-4] [colorstyle](#), [G-4] [Glossary](#)
 hurdle regression, [R] [churdle](#)
 Huynh–Feldt epsilon, [R] [anova](#)
 hwtinters, [tssmooth](#) subcommand, [TS] [tssmooth hwtinters](#)
 hybrid
 MH sampler, see [Metropolis–Hastings sampling model](#), [IRT] [irt hybrid](#), [IRT] [Glossary](#)
 hybrid, irt subcommand, [IRT] [irt hybrid](#), [IRT] [irt hybrid postestimation](#)
 hyperbolic functions, [FN] [Statistical functions](#), [FN] [Trigonometric functions](#), [M-5] [normal\(\)](#), [M-5] [sin\(\)](#)
 hypergeometric() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 hypergeometric,
 cumulative distribution, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 probability mass function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 hypergeometricp() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 hyperparameters, [BAYES] [Intro](#), [BAYES] [Bayesian commands](#), [BAYES] [bayes](#), [BAYES] [bayesmh](#), [BAYES] [bayesmh evaluators](#), [BAYES] [bayesgraph](#), [BAYES] [Glossary](#)
 hyperprior, [BAYES] [Intro](#), [BAYES] [Bayesian commands](#), [BAYES] [bayes](#), [BAYES] [bayesmh](#), [BAYES] [bayesmh evaluators](#), [BAYES] [bayesgraph](#), [BAYES] [Glossary](#)
 hypertext help, [R] [help](#), [U] [4 Stata's help and search facilities](#), [U] [18.11.6 Writing system help](#)
 hypothesis, [PSS-5] [Glossary](#), also see [null hypothesis and alternative hypothesis](#)
 test, [PSS-5] [Glossary](#), [SEM] [test](#), [SEM] [testnl](#), also see [null hypothesis and alternative hypothesis](#)
 testing, Bayesian, see [Bayesian, hypothesis testing](#)
 hypothesized value, see [null value](#)
- I
- I() function, [FN] [Matrix functions](#), [M-5] [I\(\)](#), [P] [matrix define](#)
 I(0) process, see [covariance stationary](#)
 I(1) process, see [first-difference stationary](#)
 I² statistic, [META] [meta forestplot](#), [META] [meta summarize](#), [META] [meta regress](#), [META] [meta mvregress](#), [META] [estat heterogeneity](#), [META] [Glossary](#)
 ibeta() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 ibetatail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 ic,
 bayesstats subcommand, [BAYES] [bayesstats ic](#)
 estat subcommand, [R] [estat](#), [R] [estat ic](#)
 ICC, see [item characteristic curve](#)
 icc,
 estat subcommand, [ME] [estat icc](#), [ME] [melogit postestimation](#), [ME] [meprobbit postestimation](#), [ME] [mixed postestimation](#)
 irtgraph subcommand, [IRT] [irtgraph icc](#)
 icc command, [R] [icc](#)

- icd10
 - check command, [D] [icd10](#)
 - clean command, [D] [icd10](#)
 - command, [D] [icd](#)
 - generate command, [D] [icd10](#)
 - lookup command, [D] [icd10](#)
 - query command, [D] [icd10](#)
 - search command, [D] [icd10](#)
- icd10cm
 - check command, [D] [icd10cm](#)
 - clean command, [D] [icd10cm](#)
 - generate command, [D] [icd10cm](#)
 - lookup command, [D] [icd10cm](#)
 - query command, [D] [icd10cm](#)
 - search command, [D] [icd10cm](#)
 - command, [D] [icd](#)
- icd10pcs
 - check command, [D] [icd10pcs](#)
 - clean command, [D] [icd10pcs](#)
 - generate command, [D] [icd10pcs](#)
 - lookup command, [D] [icd10pcs](#)
 - query command, [D] [icd10pcs](#)
 - search command, [D] [icd10pcs](#)
 - command, [D] [icd](#)
- icd9
 - check command, [D] [icd9](#)
 - clean command, [D] [icd9](#)
 - command, [D] [icd](#)
 - generate command, [D] [icd9](#)
 - lookup command, [D] [icd9](#)
 - query command, [D] [icd9](#)
 - search command, [D] [icd9](#)
- icd9p
 - check command, [D] [icd9p](#)
 - clean command, [D] [icd9p](#)
 - command, [D] [icd](#)
 - generate command, [D] [icd9p](#)
 - lookup command, [D] [icd9p](#)
 - query command, [D] [icd9p](#)
 - search command, [D] [icd9p](#)
- ICE, see [imputation](#), multivariate, chained equations
- ice,
 - mi export subcommand, [MI] [mi export](#), [MI] [mi export ice](#)
 - mi import subcommand, [MI] [mi import](#), [MI] [mi import ice](#)
- iconv, [D] [unicode convertfile](#)
- ICU, see [International Components for Unicode](#)
- ID variable, [SP] [Glossary](#), [ST] [Glossary](#)
- _ID variable, [SP] [spset](#), [SP] [Glossary](#)
- identification, see [model identification](#)
- identified, [DSGE] [Glossary](#)
- identifier, class, [P] [class](#)
- identifier, unique, [D] [isid](#)
- identity, forecast subcommand, [TS] [forecast identity](#)
- identity matrix, [M-5] [I\(\)](#), [P] [matrix define](#)
- idiosyncratic error term, [XT] [Glossary](#)
- idistance spatial weighting matrix, [SP] [Glossary](#)
- if command, [M-2] [if](#), [P] [if](#)
- if exp qualifier, [P] [syntax](#), [U] [11 Language syntax](#)
- igaussian() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- igaussanden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- igaussiantail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- ignorable missing-data mechanism, [MI] [Intro substantive](#), [MI] [Glossary](#)
- IIA, see [independence of irrelevant alternatives](#)
- i.i.d. assumption, see [independent and identically distributed sampling assumption](#)
- IIF, see [item information function](#)
- iif, irtgraph subcommand, [IRT] [irtgraph iif](#)
- Im() function, [M-5] [Re\(\)](#)
- Im–Pesaran–Shin test, [XT] [xtunitroot](#)
- image,
 - putdocx subcommand, [RPT] [putdocx paragraph](#)
 - putpdf subcommand, [RPT] [putpdf paragraph](#)
- image format, [G-2] [graph export](#), [G-4] [Glossary](#)
- imaginary part, [M-5] [Re\(\)](#)
- immediate command, [G-2] [graph twoway pcarrowi](#), [G-2] [graph twoway pci](#), [G-2] [graph twoway scatteri](#), [P] [display](#), [R] [bitest](#), [R] [ci](#), [R] [Epitab](#), [R] [esize](#), [R] [prtest](#), [R] [sdtest](#), [R] [symmetry](#), [R] [tabulate twoway](#), [R] [ttest](#), [R] [ztest](#), [U] [18.4.5 Parsing immediate commands](#), [U] [19 Immediate commands](#), [U] [Glossary](#)
- implied context, class, [P] [class](#)
- import
 - dbase command, [D] [import dbase](#)
 - delimited command, [D] [import delimited](#)
 - excel command, [D] [import excel](#)
 - fred command, [D] [import fred](#)
 - haver command, [D] [import haver](#)
 - sas command, [D] [import sas](#)
 - sasxport5 command, [D] [import sasxport5](#)
 - sasxport8 command, [D] [import sasxport8](#)
 - spss command, [D] [import spss](#)
- import data, [D] [import](#), [D] [import dbase](#), [D] [import delimited](#), [D] [import excel](#), [D] [import fred](#), [D] [import haver](#), [D] [import sas](#), [D] [import sasxport5](#), [D] [import sasxport8](#), [D] [import spss](#), [D] [infile \(fixed format\)](#), [D] [infile \(free format\)](#), [D] [infix \(fixed format\)](#), [D] [jdbc](#), [D] [odbc](#), [MI] [mi import](#), [MI] [mi import flong](#), [MI] [mi import flongsep](#), [MI] [mi import ice](#), [MI] [mi import nhanes1](#), [MI] [mi import wide](#), [U] [22 Entering and importing data](#), also see [combine data](#), also see [input data interactively](#)
- real-time, [D] [import fred](#)
- import, spmatrix subcommand, [SP] [spmatrix import](#)
- importance weight, [U] [11.1.6 weight](#), [U] [20.24.4 Importance weights](#)

imported spatial weighting matrix, [SP] [Glossary](#)

improper prior, [BAYES] [Intro](#), [BAYES] [bayes](#), [BAYES] [bayesmh](#), [BAYES] [bayesstats ic](#), [BAYES] [Glossary](#)

impulse–response functions, [BAYES] [bayesirf](#), [BAYES] [bayesirf graph](#), [BAYES] [bayesirf cgraph](#), [BAYES] [bayesirf ograph](#), [BAYES] [bayesirf table](#), [BAYES] [bayesirf ctable](#), [DSGE] [Intro 1](#), [DSGE] [Intro 3b](#), [DSGE] [Intro 3c](#), [DSGE] [Intro 3d](#), [DSGE] [Intro 9a](#), [DSGE] [Intro 9b](#), [DSGE] [dsge postestimation](#), [DSGE] [dsgenl postestimation](#), [DSGE] [Glossary](#), [TS] [irf](#), [TS] [irf add](#), [TS] [irf cgraph](#), [TS] [irf create](#), [TS] [irf ctable](#), [TS] [irf describe](#), [TS] [irf drop](#), [TS] [irf graph](#), [TS] [irf ograph](#), [TS] [irf rename](#), [TS] [irf set](#), [TS] [irf table](#), [TS] [var intro](#), [TS] [varbasic](#), [TS] [vec intro](#), [TS] [Glossary](#)

imputation

- binary, [MI] [mi impute logit](#)
- by groups, [MI] [mi impute](#)
- categorical, [MI] [mi impute mlogit](#), [MI] [mi impute ologit](#)
- chained equations, [MI] [mi impute intreg](#), [MI] [mi impute logit](#), [MI] [mi impute mlogit](#), [MI] [mi impute nbreg](#), [MI] [mi impute ologit](#), [MI] [mi impute pmm](#), [MI] [mi impute poisson](#), [MI] [mi impute regress](#), [MI] [mi impute truncreg](#)
- conditional, [MI] [mi impute](#), [MI] [mi impute chained](#), [MI] [mi impute intreg](#), [MI] [mi impute logit](#), [MI] [mi impute mlogit](#), [MI] [mi impute monotone](#), [MI] [mi impute nbreg](#), [MI] [mi impute ologit](#), [MI] [mi impute pmm](#), [MI] [mi impute poisson](#), [MI] [mi impute regress](#), [MI] [mi impute truncreg](#), [MI] [Glossary](#)
- continuous, [MI] [mi impute pmm](#), [MI] [mi impute regress](#)
 - with a limited range, [MI] [mi impute intreg](#), [MI] [mi impute truncreg](#)
- count data, [MI] [mi impute nbreg](#), [MI] [mi impute poisson](#)
- diagnostics, [MI] [mi impute](#)
- interval regression, [MI] [mi impute intreg](#)
- interval-censored data, [MI] [mi impute intreg](#)
- linear regression, [MI] [mi impute regress](#)
- logistic regression, [MI] [mi impute logit](#)
- method, [MI] [mi impute](#), [MI] [mi impute usermethod](#)
- iterative, [MI] [mi impute](#), [MI] [mi impute chained](#), [MI] [mi impute mvn](#)
- monotone, [MI] [mi impute monotone](#)
- multivariate, [MI] [mi impute chained](#), [MI] [mi impute monotone](#), [MI] [mi impute mvn](#)
- proper, [MI] [Intro substantive](#)

imputation, *continued*

- univariate, [MI] [mi impute intreg](#), [MI] [mi impute logit](#), [MI] [mi impute mlogit](#), [MI] [mi impute nbreg](#), [MI] [mi impute ologit](#), [MI] [mi impute pmm](#), [MI] [mi impute poisson](#), [MI] [mi impute regress](#), [MI] [mi impute truncreg](#)
- modeling, [MI] [mi impute](#)
- monotone, [MI] [mi impute](#), [MI] [mi impute chained](#), [MI] [mi impute monotone](#)
- multinomial logistic regression, [MI] [mi impute mlogit](#)
- multiple, [MI] [Intro substantive](#)
- multivariate,
 - chained equations, [MI] [mi impute](#), [MI] [mi impute chained](#)
 - monotone, [MI] [mi impute](#), [MI] [mi impute intreg](#), [MI] [mi impute logit](#), [MI] [mi impute mlogit](#), [MI] [mi impute monotone](#), [MI] [mi impute nbreg](#), [MI] [mi impute ologit](#), [MI] [mi impute pmm](#), [MI] [mi impute poisson](#), [MI] [mi impute regress](#), [MI] [mi impute truncreg](#)
 - normal, [MI] [mi impute](#), [MI] [mi impute mvn](#)
- negative binomial regression, [MI] [mi impute nbreg](#)
- on subsamples, [MI] [mi impute](#)
- ordered logistic regression, [MI] [mi impute ologit](#)
- overdispersed count data, [MI] [mi impute nbreg](#)
- passive, [MI] [mi impute](#), [MI] [mi impute chained](#), [MI] [mi impute regress](#)
- perfect prediction, [MI] [mi impute](#)
- Poisson regression, [MI] [mi impute poisson](#)
- predictive mean matching, [MI] [mi impute](#), [MI] [mi impute pmm](#)
- recommended number of, [MI] [Intro substantive](#), [MI] [mi estimate](#)
- regression, [MI] [mi impute](#), [MI] [mi impute regress](#)
- semiparametric, [MI] [mi impute pmm](#)
- step, [MI] [Intro substantive](#), [MI] [mi estimate](#)
- transformations, [MI] [mi impute](#)
- truncated regression, [MI] [mi impute truncreg](#)
- univariate, [MI] [mi impute intreg](#), [MI] [mi impute logit](#), [MI] [mi impute mlogit](#), [MI] [mi impute nbreg](#), [MI] [mi impute ologit](#), [MI] [mi impute pmm](#), [MI] [mi impute poisson](#), [MI] [mi impute regress](#), [MI] [mi impute truncreg](#)
- user-defined, [MI] [mi impute usermethod](#)

[impute](#), [mi subcommand](#), [MI] [mi impute](#), [MI] [mi impute chained](#), [MI] [mi impute intreg](#), [MI] [mi impute logit](#), [MI] [mi impute mlogit](#), [MI] [mi impute monotone](#), [MI] [mi impute mvn](#), [MI] [mi impute nbreg](#), [MI] [mi impute ologit](#), [MI] [mi impute pmm](#), [MI] [mi impute poisson](#), [MI] [mi impute regress](#), [MI] [mi impute truncreg](#), [MI] [mi impute usermethod](#)

imputed data, [MI] [Glossary](#)

imputed variables, see [variables](#), [multiple-imputation imputed](#)

- `intest`, `estat` subcommand, [R] **regress postestimation**
- `in range` qualifier, [P] **syntax**, [U] **11 Language syntax**
- `in smcl`, `display` directive, [P] **display**
- `inbase()` function, [M-5] **inbase()**
- incidence, [ST] **Glossary**
 - rate, [ST] **Glossary**
 - study, see **cohort study**
- incidence-rate ratio
 - epidemiological tables, [R] **Epitab**
 - estimation,
 - Bayesian, [BAYES] **bayes: gnbreg**, [BAYES] **bayes: meglm**, [BAYES] **bayes: menbreg**, [BAYES] **bayes: mepoisson**, [BAYES] **bayes: poisson**, [BAYES] **bayes: tnbreg**, [BAYES] **bayes: tpoisson**, [BAYES] **bayes: xtpoisson**, [BAYES] **bayes: zinb**, [BAYES] **bayes: zip**
 - displaying exponentiated coefficients, [FMM] **estat eform**, [R] **eform_option**, [SEM] **Intro 7**, [SEM] **estat eform**, [SEM] **Example 34g**
 - multilevel mixed-effects, [ME] **meglm**, [ME] **menbreg**, [ME] **mepoisson**, also see incidence-rate ratio, estimation, Bayesian
 - negative binomial regression, [FMM] **fmn: nbreg**, [ME] **menbreg**, [R] **nbreg**, [R] **tnbreg**, [R] **zinb**, [XT] **xtnbreg**, also see incidence-rate ratio, estimation, Bayesian
- panel data, [XT] **xtgee**, [XT] **xtnbreg**, [XT] **xtpoisson**
- Poisson regression, [FMM] **fmn: poisson**, [FMM] **fmn: tpoisson**, [FMM] **Example 2**, [LASSO] **dsppoisson**, [LASSO] **popoisson**, [LASSO] **xppoisson**, [ME] **mepoisson**, [R] **cpoisson**, [R] **exppoisson**, [R] **heckppoisson**, [R] **ivpoisson**, [R] **poisson**, [R] **tpoisson**, [R] **zip**, [TE] **etpoisson**, [XT] **xtpoisson**, also see incidence-rate ratio, estimation, Bayesian
- postestimation, [R] **contrast**, [R] **exppoisson postestimation**, [R] **lincom**
 - negative binomial regression, [R] **nbreg postestimation**, [R] **tnbreg postestimation**, [R] **zinb postestimation**
 - Poisson regression, [R] **poisson postestimation**, [R] **tpoisson postestimation**, [R] **zip postestimation**
 - survival analysis, [ST] **stir**, [ST] **stptime**, [ST] **stsum**
- `include_bitmap`, `set` subcommand, [R] **set**
- `include` command, [P] **include**
- included covariates, see **covariate selection**
- income distributions, [R] **Inequality**
- incomplete
 - beta function, [FN] **Statistical functions**, [M-5] **normal()**
 - gamma function, [FN] **Statistical functions**, [M-5] **normal()**
 - observations, see **dropout**
- increment operator, [M-2] **op_increment**, [P] **macro**
- independence of irrelevant alternatives, [CM] **Glossary**
 - relaxing assumption, [CM] **Intro 8**, [CM] **cmclogit**, [CM] **cmmixlogit**, [CM] **cmmprobit**, [CM] **cmroprobit**, [CM] **cmxtmixlogit**, [CM] **nlogit**
 - test for, [CM] **nlogit**
- independence of irrelevant alternatives, assumption, [FMM] **fmn: mlogit**, [R] **clogit**, [R] **mlogit**
 - test for, [R] **hausman**, [R] **suest**
- independence test, [R] **correlate**, [R] **Epitab**, [R] **spearman**, [R] **tabulate twoway**, [SVY] **svy: tabulate twoway**
- independent
 - a posteriori, [BAYES] **Glossary**
 - a priori, [BAYES] **Glossary**
- independent and identically distributed, [DSGE] **Glossary**, [TS] **Glossary**
- independent and identically distributed sampling assumption, [SP] **Glossary**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **Glossary**
- index of probit and logit, [R] **logit postestimation**, [R] **predict**, [R] **probit postestimation**
- index search, [R] **search**, [U] **4 Stata's help and search facilities**
- `indexnot()` function, [FN] **String functions**, [M-5] **indexnot()**
- indicator variables, [R] **tabulate oneway**, [R] **xi**, [SEM] **Glossary**, also see **factor variables**
- indicators, [U] **11.4.3 Factor variables**
- indirect effects, see **effects**, **indirect**
- indirect impacts, [SP] **spivregress postestimation**, [SP] **spregress postestimation**, [SP] **spxtregress postestimation**
- indirect standardization, [R] **dstdize**
- individual-level design, [PSS-2] **power**, [PSS-2] **power twoproportions**, **cluster**, [PSS-5] **Glossary**
- individual-level treatment effect, [ERM] **Glossary**, [TE] **Glossary**
- ineligible missing values, [MI] **mi impute**, [MI] **Glossary**
- inequality measures, [R] **Inequality**
- inertia, [MV] **Glossary**, also see **total inertia**
- `inertia`, `estat` subcommand, [MV] **ca postestimation**
- inference, [LASSO] **Lasso inference intro**, [LASSO] **Glossary**
- `infile` command, [D] **infile (fixed format)**, [D] **infile (free format)**
- `infix` command, [D] **infix (fixed format)**

- influence statistics, see **delta χ^2 influence statistic**, see **delta beta influence statistic**, see **delta deviance influence statistic**, see **DFBETA**, see **LMAX** value
- %infmt**, [D] **infile (fixed format)**
- information, [IRT] **Glossary**
- criteria, see **Akaike information criterion**, see **Bayesian information criterion**
 - matrix, [P] **matrix get**, [R] **correlate**, [R] **Maximize**
 - matrix test, [R] **regress postestimation**
- informative missingness, [ERM] **Glossary**
- informative prior, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **Glossary**
- inheritance, [M-2] **class**, [P] **class**
- init**, **ml** subcommand, [R] **ml**
- init**, **ssd** subcommand, [SEM] **ssd**
- initial values, [DSGE] **Glossary**, also see **starting values**
- initialization, **class**, [P] **class**
- initialize**, **java** subcommand, [P] **Java utilities**
- inlist()** function, [FN] **Programming functions**
- inner fence, [R] **lv**
- innovation accounting, [BAYES] **bayesirf**, [TS] **irf**
- input** command, [D] **input**
- input data
- from a file, see **import data**, see **read data from disk**
 - interactively, [D] **edit**, [D] **input**, also see **edit data**, also see **import data**
- input**, **matrix** subcommand, [P] **matrix define**
- input, obtaining from console in programs, see **console**, obtaining input from
- input/output functions, [M-4] **IO**
- inrange()** function, [FN] **Programming functions**
- in-sample predictions, see **replicated outcome**
- in-sample R^2 , [LASSO] **Glossary**
- insert**, **jdbc** subcommand, [D] **jdbc**
- insert**, **odbc** subcommand, [D] **odbc**
- insobs** command, [D] **insobs**
- inspect** command, [D] **inspect**
- install**,
- net** subcommand, [R] **net**
 - ssc** subcommand, [R] **ssc**
- installation
- of community-contributed commands (updating), [R] **ado update**
 - of official updates, [R] **update**, [U] **29 Using the Internet to keep up to date**
 - of SJ and STB, [R] **net**, [R] **sj**, [U] **3.5 Updating and adding features from the web**, [U] **17.6 How do I install an addition?**
- instance, [M-6] **Glossary**
- class**, [P] **class**
 - .instancemv** built-in class function, [P] **class**
- instance-specific variable, [P] **class**
- instrument, [ERM] **Glossary**, [IRT] **Glossary**
- instrumental-variables, [ERM] **Intro 3**, [ERM] **Glossary**, [SP] **Glossary**, [XT] **Glossary**
- endogenous, [ERM] **Intro 3**
- estimator, [XT] **Glossary**
- regression
- finite mixture models, [FMM] **fmm: ivregress**
 - generalized method of moments, [R] **gmm**
 - linear, [ERM] **eregress**, [LASSO] **Lasso inference intro**, [LASSO] **poivregress**, [LASSO] **xpoivregress**, [R] **ivregress**
 - panel-data models, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xhtaylor**, [XT] **xtivreg**
 - Poisson, [R] **ivpoisson**
 - probit, [ERM] **eprobit**, [R] **ivprobit**
 - spatial autoregressive models, [SP] **spivregress**
 - system of equations, [R] **reg3**
 - tobit, [ERM] **eintreg**, [R] **ivtobit**
 - with survey data, [SVY] **svy estimation**
- int**, [D] **Data types**, [U] **12.2.2 Numeric storage types**
- int()** function, [FN] **Mathematical functions**, [M-5] **trunc()**
- integ** command, [R] **dydx**
- integer truncation function, [FN] **Mathematical functions**, [M-5] **trunc()**
- integrals, numeric, see **numerical integration**
- integrated autoregressive moving-average model, [TS] **estat acplot**, [TS] **psdensity**
- integrated process, [TS] **Glossary**
- integration, numeric, see **numerical integration**
- intensity, color, adjustment, [G-2] **graph twoway histogram**, [G-2] **graph twoway kdensity**, [G-4] **colorstyle**, [G-4] **Glossary**
- intensitystyle**, [G-4] **intensitystyle**, [G-4] **Glossary**
- interaction, [CM] **margins**, [R] **anova**, [R] **contrast**, [R] **fvar**, [R] **margins**, [R] **margins, contrast**, [R] **margins, pwcompare**, [R] **marginsplot**, [R] **pwcompare**, [R] **set emptycells**, [R] **xi**, [U] **11.4.3 Factor variables**, [U] **13.5.3 Factor variables and time-series operators**, [U] **20.19 Obtaining contrasts, tests of interactions, and main effects**, [U] **26.2 Estimation with factor variables**
- effects, [PSS-5] **Glossary**
- expansion, [R] **xi**
- plots, [R] **marginsplot**
- intercept, [SEM] **Intro 4**, [SEM] **Glossary**
- interface**, **query** subcommand, [R] **query**
- internal consistency test, [MV] **alpha**
- International Components for Unicode, [D] **unicode**
- Internet,
- commands to control connections to, [R] **netio**
 - installation of updates from, [R] **ado update**, [R] **net**, [R] **sj**, [R] **update**, [U] **29 Using the Internet to keep up to date**
 - search, [R] **net search**
 - Stata, [U] **3.2.1 The Stata website (www.stata.com)**
 - Stata Journal, [U] **3.4 The Stata Journal**
 - Stata Press, [U] **3.3 Stata Press**

- interpolation, [D] **ipolate**
- interquantile range, [R] **qreg**
- interquantile range, [R] **lv**, [R] **table summary**, [R] **table**, [R] **tabstat**
- generating variable containing, [D] **egen**
- making dataset of, [D] **collapse**
- summarizing, [D] **ptile**
- interrater agreement, [R] **kappa**
- interrupt command execution, [U] **10 Keyboard use**
- interval
- censored, see **censored**
- data, [XT] **Glossary**, also see **interval regression**
- hypothesis test, [BAYES] **Glossary**, also see **Bayesian**, hypothesis testing, **interval**
- regression
- extended, [ERM] **Intro 2**, [ERM] **eintreg**, [ERM] **Example 1b**, [ERM] **Example 1c**
- finite mixture model, [FMM] **fm: intreg**
- linear model, [R] **intreg**, also see **interval regression**, extended
- random-effects, [ERM] **eintreg**, [XT] **xtintreg**
- structural equation modeling, [SEM] **Example 44g**
- survey data, [SVY] **svy estimation**
- survival model, [ST] **stintcox**, [ST] **stintreg**
- test, see **interval hypothesis test**
- variable, [ERM] **Glossary**, also see **censored**
- interval**, **bayestest** subcommand, [BAYES] **bayestest interval**
- interval-censored** data, see **case I interval-censored** data, see **case II interval-censored** data
- intervention effects**, see **effect size**
- intraclass correlation**, [ME] **Glossary**, [PSS-2] **power onemean**, **cluster**, [PSS-2] **power twomeans**, **cluster**, [PSS-2] **power oneproportion**, **cluster**, [PSS-2] **power twoproportions**, **cluster**, [PSS-2] **power logrank**, **cluster**, [PSS-5] **Glossary**, [R] **icc**, [R] **prtest**, [R] **ztest**, also see **estat icc** command
- intraclass correlation**, see **correlation**, **intraclass**
- intreg** command, [R] **intreg**, [R] **intreg postestimation**
- inv()** function, [FN] **Matrix functions**, [P] **matrix define**
- invariance**, [IRT] **Glossary**
- invbinomial()** function, [FN] **Statistical functions**, [M-5] **normal()**
- invbinomialtail()** function, [FN] **Statistical functions**, [M-5] **normal()**
- invcauchy()** function, [FN] **Statistical functions**, [M-5] **normal()**
- invcauchytail()** function, [FN] **Statistical functions**, [M-5] **normal()**
- invchi2()** function, [FN] **Statistical functions**, [M-5] **normal()**
- invchi2tail()** function, [FN] **Statistical functions**, [M-5] **normal()**
- invcloglog()** function, [FN] **Mathematical functions**, [M-5] **logit()**
- invdunnettprob()** function, [FN] **Statistical functions**, [M-5] **normal()**
- inverse**
- cumulative
- beta distribution, [FN] **Statistical functions**, [M-5] **normal()**
- binomial function, [FN] **Statistical functions**, [M-5] **normal()**
- χ^2 distribution function, [FN] **Statistical functions**, [M-5] **normal()**
- exponential distribution, [FN] **Statistical functions**, [M-5] **normal()**
- F distribution function, [FN] **Statistical functions**, [M-5] **normal()**
- incomplete gamma function, [FN] **Statistical functions**, [M-5] **normal()**
- inverse Gaussian function, [FN] **Statistical functions**, [M-5] **normal()**
- Weibull distribution, [FN] **Statistical functions**, [M-5] **normal()**
- Gaussian distribution,
- cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- density, [FN] **Statistical functions**, [M-5] **normal()**
- inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- inverse reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- reverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- hyperbolic tangent transformation, see **Fisher's z transformation**
- matrix**, [M-4] **Solvers**, [M-5] **invsym()**, [M-5] **cholinv()**, [M-5] **luinv()**, [M-5] **qrinv()**, [M-5] **pinv()**, [M-5] **solve_tol()**
- noncentral**
- beta distribution, [FN] **Statistical functions**, [M-5] **normal()**
- $\chi^2\chi^2$ distribution function, [M-5] **normal()**
- χ^2 distribution function, [FN] **Statistical functions**
- F distribution, [FN] **Statistical functions**, [M-5] **normal()**
- normal distribution function**, [FN] **Statistical functions**, [M-5] **normal()**
- of **matrix**, [P] **matrix define**, [P] **matrix svd**
- reverse cumulative**
- beta distribution, [FN] **Statistical functions**, [M-5] **normal()**
- binomial function, [FN] **Statistical functions**, [M-5] **normal()**
- χ^2 distribution function, [FN] **Statistical functions**, [M-5] **normal()**
- exponential distribution, [FN] **Statistical functions**, [M-5] **normal()**
- F distribution function, [FN] **Statistical functions**, [M-5] **normal()**

inverse reverse cumulative, *continued*

incomplete gamma function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

inverse Gaussian function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

noncentral χ^2 distribution function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

t distribution function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

Weibull distribution, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

inverse-distance matrix, *see* [spatial weighting matrix](#)

inverse-probability weighting, [TE] [teffects intro](#), [TE] [teffects intro advanced](#), [TE] [teffects ipw](#), [TE] [Glossary](#)

inverse-probability-weighted regression adjustment, [TE] [teffects intro](#), [TE] [teffects intro advanced](#), [TE] [teffects ipwra](#), [TE] [Glossary](#)

inverse-variance method, [META] [Glossary](#)

invexponential() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invexponentialtail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invF() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

_invfft() function, [M-5] [fft\(\)](#)

invfft() function, [M-5] [fft\(\)](#)

invFtail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invgamma() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invgammaptail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invHilbert() function, [M-5] [Hilbert\(\)](#)

invibeta() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invibetaail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invigaussian() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invigaussianail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invlaplace() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invlaplacetail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invlogistic() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invlogisticail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invlogit() function, [FN] [Mathematical functions](#), [M-5] [logit\(\)](#)

invnbinomial() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnbinomialtail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnchi2() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnchi2tail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnF() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnFtail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnibeta() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnormal() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnt() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invnttail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invorder() function, [M-5] [invorder\(\)](#)

invpoisson() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invpoissonail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

_invsym() function, [M-5] [invsym\(\)](#)

invsym() function, [FN] [Matrix functions](#), [M-5] [invsym\(\)](#), [P] [matrix define](#)

invT() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invtokens() function, [M-5] [invtokens\(\)](#)

invttail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invtkkeyprob() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invvech() function, [FN] [Matrix functions](#), [M-5] [vec\(\)](#), [P] [matrix define](#)

invvecp() function, [FN] [Matrix functions](#), [P] [matrix define](#)

invweibull() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invweibullph() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invweibullptail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

invweibulltail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

I/O functions, [M-4] [IO](#)

ipolate command, [D] [ipolate](#)

ips, xtunitroot subcommand, [XT] [xtunitroot](#)

IPW, *see* [inverse-probability weighting](#)

ipw, stteffects subcommand, [TE] [stteffects ipw](#)

ipw, teffects subcommand, [TE] [teffects ipw](#)

IPWRA, *see* [inverse-probability-weighted regression adjustment](#)

ipwra, stteffects subcommand, [TE] [stteffects ipwra](#)

ipwra, teffects subcommand, [TE] [teffects ipwra](#)

IQR, *see* [interquartile range](#)

iqr(), egen function, [D] [egen](#)

iqreg command, [R] [qreg](#), [R] [qreg postestimation](#)

ir command, [R] [Eptab](#)

irecode() function, [FN] [Programming functions](#)

IRF, *see* [impulse-response functions](#)

DSGE model, [BAYES] [bayes: dsge postestimation](#)

IRF, *continued*

vector autoregressive model, [BAYES] **bayes: var postestimation**

irf, [TS] **irf**

add command, [TS] **irf add**
 cgraph command, [TS] **irf cgraph**
 create command, [TS] **irf create**
 ctable command, [TS] **irf ctable**
 describe command, [TS] **irf describe**
 drop command, [TS] **irf drop**
 graph command, [TS] **irf graph**
 ograph command, [TS] **irf ograph**
 rename command, [TS] **irf rename**
 set command, [TS] **irf set**
 table command, [TS] **irf table**

.irf file, [U] **11.6 Filenaming conventions**

iri command, [R] **Epitab**

IRLS, *see* **iterated**, **reweighted least squares**

IRR, *see* **incidence-rate ratio**

IRT, *see* **item response theory**

irt

1pl command, [IRT] **irt 1pl**, [IRT] **irt 1pl postestimation**

2pl command, [IRT] **irt 2pl**, [IRT] **irt 2pl postestimation**

3pl command, [IRT] **irt 3pl**, [IRT] **irt 3pl postestimation**

command, [IRT] **irt**, [IRT] **Control Panel**, [IRT] **irt, group()**, [IRT] **irt, group() postestimation**, [IRT] **irt constraints**

gpcm command, [IRT] **irt pcm**, [IRT] **irt pcm postestimation**

grm command, [IRT] **irt grm**, [IRT] **irt grm postestimation**

hybrid command, [IRT] **irt hybrid**, [IRT] **irt hybrid postestimation**

nrm command, [IRT] **irt nrm**, [IRT] **irt nrm postestimation**

pcm command, [IRT] **irt pcm**, [IRT] **irt pcm postestimation**

rsm command, [IRT] **irt rsm**, [IRT] **irt rsm postestimation**

irtgraph

icc command, [IRT] **irt**, [IRT] **irtgraph icc**

iif command, [IRT] **irt**, [IRT] **irtgraph iif**

tcc command, [IRT] **irt**, [IRT] **irtgraph tcc**

tif command, [IRT] **irt**, [IRT] **irtgraph tif**

.isa built-in class function, [P] **class**

isascii() function, [M-5] **isascii()**

iscale() option, [G-2] **graph matrix**

iscomplex() function, [M-5] **isreal()**

isdiagonal() function, [M-5] **isdiagonal()**

isfleeing() function, [M-5] **isfleeing()**

isid command, [D] **isid**

isleapsecond() function, [D] **Datetime relative dates**, [FN] **Date and time functions**, [M-5] **date()**

isleapyear() function, [D] **Datetime relative dates**, [FN] **Date and time functions**, [M-5] **date()**

.isofclass built-in class function, [P] **class**

isolines, [G-2] **graph twoway contourline**

ispointer() function, [M-5] **isreal()**

isreal() function, [M-5] **isreal()**

isrealvalues() function, [M-5] **isrealvalues()**

issamefile() function, [M-5] **issamefile()**

isstring() function, [M-5] **isreal()**

issymmetric() function, [FN] **Matrix functions**, [M-5] **issymmetric()**, [P] **matrix define**

issymmetriconly() function, [M-5] **issymmetric()**

istdsize command, [R] **dstdize**

istmt, [M-1] **How**, [M-6] **Glossary**

isview() function, [M-5] **isview()**

item, [IRT] **Glossary**

characteristic curve, [IRT] **irt**, [IRT] **irtgraph icc**, [IRT] **Glossary**

information function, [IRT] **irt**, [IRT] **irtgraph iif**, [IRT] **Glossary**

location, [IRT] **Glossary**

response function, [IRT] **irt**, [IRT] **Glossary**

response theory, [IRT] **irt**, [IRT] **Glossary**, [SEM] **Intro 5**, [SEM] **Example 28g**, [SEM] **Example 29g**, *also see* **differential item functioning**

Control Panel, [IRT] **Control Panel**

for multiple groups, [IRT] **irt, group()**

graph, [IRT] **irtgraph icc**, [IRT] **irtgraph tcc**, [IRT] **irtgraph iif**, [IRT] **irtgraph tif**

models, [IRT] **irt**, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt grm**, [IRT] **irt nrm**, [IRT] **irt pcm**, [IRT] **irt rsm**

models, multiple, [IRT] **irt hybrid**

iterated principal-factor method, [MV] **factor**, [MV] **Glossary**

iterated, **reweighted least squares**, [R] **binreg**, [R] **glm**, [R] **reg3**, [R] **sureg**

iterations,

bisection method, [PSS-2] **power**, [PSS-5] **Glossary**

controlling the maximum number of, [R] **set iter**

Newton's method, [PSS-2] **power**, [PSS-3] **ciwidth**

iterlog, **set** subcommand, [R] **set**, [R] **set iter**

ivpoisson command, [R] **ivpoisson**, [R] **ivpoisson postestimation**

ivprobit command, [R] **ivprobit**, [R] **ivprobit postestimation**

ivregress command, [R] **ivregress**, [R] **ivregress postestimation**

ivtobit command, [R] **ivtobit**, [R] **ivtobit postestimation**

[iweight=exp] modifier, [U] **11.1.6 weight**, [U] **20.24.4 Importance weights**

J

$J \times 2$ contingency table, [PSS-2] **power trend**, [PSS-5] **Glossary**

J() function, [M-5] **J()**, [M-2] **void**, [M-6] **Glossary**, [FN] **Matrix functions**, [P] **matrix define**

Jaccard coefficient similarity measure, [MV] **measure_option**

jackknife, [SEM] **Glossary**
 estimation, [R] **jackknife**, [SVY] **jackknife_options**, [SVY] **svy jackknife**, [SVY] **Variance estimation**, [SVY] **Glossary**

residuals, [R] **regress postestimation**

standard errors, [R] **vce_option**, [SVY] **svy jackknife**, [SVY] **Variance estimation**, [XT] **vce_options**

jackknife_options, [SVY] **jackknife_options**

jackknife prefix command, [R] **jackknife**, [R] **jackknife postestimation**

Jackson–White–Riley
 method, [META] **Glossary**
 statistic, [META] **estat heterogeneity**

Jarque–Bera statistic, [TS] **varnorm**, [TS] **vecnorm**

Java, [P] **Java intro**, [P] **Java integration**, [P] **Java plugin**, [P] **Java utilities**, [P] **javacall**

java
 initialize command, [P] **Java utilities**
 query command, [P] **Java utilities**
 set heapmax command, [P] **Java utilities**
 set home command, [P] **Java utilities**

java clear command, [P] **Java integration**

java command, [P] **Java integration**

java, query subcommand, [R] **query**

java_heapmax, set subcommand, [P] **Java utilities**, [R] **set**

java_home, set subcommand, [P] **Java utilities**, [R] **set**

javacall command, [P] **javacall**

JavaScript, [RPT] **dyntext**

JCA, see **joint** correspondence analysis

jdbc
 add command, [D] **jdbc**
 connect command, [D] **jdbc**
 describe command, [D] **jdbc**
 exec command, [D] **jdbc**
 insert command, [D] **jdbc**
 list command, [D] **jdbc**
 load command, [D] **jdbc**
 remove command, [D] **jdbc**
 showdbs command, [D] **jdbc**
 showtables command, [D] **jdbc**

Jeffreys noninformative prior, [MI] **mi impute mvn**

Jeffreys prior, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **Glossary**

jeffreys, prior() suboption, [BAYES] **bayesmh evaluators**

jitter() option, [G-2] **graph matrix**, [G-2] **graph twoway scatter**

jitterseed() option, [G-2] **graph matrix**, [G-2] **graph twoway scatter**

join datasets, see **combine data**

join matrix, [P] **matrix rowjoinbyname**

join operator, [M-2] **op_join**

joinby command, [D] **joinby**, [U] **23 Combining datasets**

joining time-span records, [ST] **stsplit**

joint
 correspondence analysis, [MV] **mca**, [MV] **mca postestimation**, [MV] **Glossary**
 normality, see **normality assumption**, **joint**
 posterior distribution, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **Glossary**

Joint Photographic Experts Group format, [G-2] **graph export**, [G-3] **jpg_options**, [G-4] **Glossary**

Jonckheere–Terpstra test for trend, [R] **nptrend**

JPEG, see **Joint Photographic Experts Group format**

_jumble() function, [M-5] **sort()**

jumble() function, [M-5] **sort()**

justification of text, [G-3] **textbox_options**

justificationstyle, [G-4] **justificationstyle**, [G-4] **Glossary**

K

Kaiser–Meyer–Olkin sampling adequacy, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **Glossary**

Kaiser normalization, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **rotate**, [MV] **rotatemat**

Kalman
 filter, [DSGE] **Glossary**, [TS] **arima**, [TS] **dfactor**, [TS] **dfactor postestimation**, [TS] **sspace**, [TS] **sspace postestimation**, [TS] **ucm**, [TS] **ucm postestimation**, [TS] **Glossary**
 forecast, [TS] **dfactor postestimation**, [TS] **sspace postestimation**, [TS] **ucm postestimation**
 smoothing, [TS] **dfactor postestimation**, [TS] **sspace postestimation**, [TS] **ucm postestimation**

Kao test, [XT] **xtcointtest**

kao, **xtcointtest** subcommand, [XT] **xtcointtest**

kap command, [R] **kappa**

Kaplan–Meier
 product-limit estimate, [ST] **sts**, [ST] **sts generate**, [ST] **sts graph**, [ST] **sts list**, [ST] **sts test**, [ST] **Glossary**
 survivor function, [ST] **ltable**, [ST] **stcox PH-assumption tests**, [ST] **sts**

kappa command, [R] **kappa**

kapwgt command, [R] **kappa**

kdensity command, [R] **kdensity**

kdensity, graph twoway subcommand, [G-2] **graph twoway kdensity**

keep command, [D] **drop**

keep variables or observations, [D] **drop**

Kendall's tau, [R] **spearman**, [R] **tabulate twoway**

Kenward–Roger DDF, see **denominator degrees of freedom**, **Kenward–Roger**

kernel

- density smoothing, [R] **kdensity**
- function, [G-2] **graph twoway kdensity**,
[G-2] **graph twoway lpoly**, [R] **kdensity**,
[R] **lpoly**, [R] **npregress kernel**, [R] **qreg**,
[TE] **tebalance density**, [TE] **teoverlap**
- regression, [R] **npregress kernel**
- weighted local polynomial, [R] **lpoly**

kernel, **npregress** subcommand, [R] **npregress intro**,
[R] **npregress kernel**

keyboard

- entry, [U] **10 Keyboard use**
- search, [U] **4 Stata's help and search facilities**

Keynesian model, see **New Keynesian model**

keys, [G-3] **clegend_option**, [G-3] **legend_options**,
[G-4] **Glossary**

K-fold cross-validation, [LASSO] **Glossary**

kilometers, [SP] **spdistance**

Kish design effects, [R] **loneway**, [SVY] **estat**

kiss32, see **random-number generator**

Kmatrix() function, [M-5] **Kmatrix()**

kmeans, [MV] **Glossary**

kmeans, **cluster** subcommand, [MV] **cluster kmeans**
and kmedians

kmeans clustering, [MV] **cluster**, [MV] **cluster kmeans**
and kmedians

kmedians, [MV] **Glossary**

kmedians, **cluster** subcommand, [MV] **cluster**
kmeans and kmedians

kmedians clustering, [MV] **cluster**, [MV] **cluster**
kmeans and kmedians

KMO, see **Kaiser–Meyer–Olkin sampling adequacy**

kmo, **estat** subcommand, [MV] **factor postestimation**,
[MV] **pca postestimation**

KNN, see **kth-nearest neighbor**

knn, **discrim** subcommand, [MV] **discrim knn**

knots, [LASSO] **Glossary**, [R] **npregress series**

Kolmogorov–Smirnov test, [R] **ksmirnov**

KR-20, [MV] **alpha**

Kronecker direct product, [D] **cross**,
[M-2] **op_kronecker**, [P] **matrix define**

Kruskal stress, [MV] **mds postestimation**,
[MV] **Glossary**

Kruskal–Wallis test, [R] **kwallis**

ksmirnov command, [R] **ksmirnov**

ktau command, [R] **spearman**

kth-nearest neighbor, [MV] **discrim knn**,
[MV] **Glossary**

Kuder–Richardson Formula 20, [MV] **alpha**

Kulczyński coefficient similarity measure,
[MV] **measure_option**

kurt(), **egen** function, [D] **egen**

kurtosis, [CM] **cmsummarize**, [MV] **mvtest normality**,
[R] **lv**, [R] **pksum**, [R] **regress postestimation**,
[R] **sktest**, [R] **summarize**, [R] **table summary**,
[R] **table**, [R] **tabstat**, [TS] **varnorm**,
[TS] **vecnorm**

kwallis command, [R] **kwallis**

L

L1-norm value, [R] **qreg**

l1title() option, [G-3] **title_options**

l2title() option, [G-3] **title_options**

L'Abbé plot, [META] **meta labbeplot**,
[META] **Glossary**

labbeplot, **meta** subcommand, [META] **meta**
labbeplot

label

macro function, [P] **macro**

label.

vl subcommand, [D] **vl create**

label data, [D] **describe**, [D] **edit**, [D] **label**, [D] **label**
language, [D] **notes**, [D] **varmanage**,
[U] **12.6 Dataset, variable, and value labels**
in other languages, [U] **12.6.4 Labels in other**
languages

label dim, **collect** subcommand, [TABLES] **collect**
label

label drop, **collect** subcommand, [TABLES] **collect**
label

label levels, **collect** subcommand,
[TABLES] **collect label**

label list, **collect** subcommand, [TABLES] **collect**
label

label save, **collect** subcommand, [TABLES] **collect**
label

label use, **collect** subcommand, [TABLES] **collect**
label

label

copy command, [D] **label**

data command, [D] **label**, [U] **12.6 Dataset,**
variable, and value labels

define command, [D] **label**, [U] **12.6 Dataset,**
variable, and value labels

dir command, [D] **label**

drop command, [D] **label**

language command, [D] **label language**,
[U] **12.6 Dataset, variable, and value labels**

list command, [D] **label**, [U] **12.6 Dataset,**
variable, and value labels

save command, [D] **label**

values command, [D] **label**, [U] **12.6 Dataset,**
variable, and value labels

variable command, [D] **label**, [U] **12.6 Dataset,**
variable, and value labels

label, **snapshot** subcommand, [D] **snapshot**

label values, [P] **macro**, [U] **12.6 Dataset, variable,**
and value labels, [U] **13.11 Label values**

labelbook command, [D] **labelbook**

labels,

axis, [G-3] **axis_label_options**

creating, [D] **edit**, [D] **varmanage**

editing, [D] **edit**, [D] **varmanage**

marker, [G-3] **marker_label_options**

ladder command, [R] **ladder**

ladder of powers, [R] **ladder**

lag coefficient, [BAYES] **Glossary**

- lag operator, [DSGE] [Glossary](#), [TS] [Glossary](#), [U] [11.4.4 Time-series varlists](#)
- lag polynomial, [TS] [Glossary](#)
- lag-polynomial matrix, [TS] [Glossary](#)
- lag-decay parameter, [BAYES] [Glossary](#)
- lag-exclusion statistics, [TS] [varwle](#)
- lagged values, [U] [11.4.4 Time-series varlists](#), [U] [13 Functions and expressions](#), [U] [13.7 Explicit subscripting](#), [U] [13.10.1 Generating lags, leads, and differences](#)
- lag-order selection statistics, [BAYES] [bayes: var](#), [TS] [var intro](#), [TS] [var](#), [TS] [var svar](#), [TS] [varsc](#), [TS] [vec intro](#)
- Lagrange multiplier test, [PSS-5] [Glossary](#), [R] [regress postestimation time series](#), [TS] [varlmar](#), [TS] [veclmar](#), also see [score test](#)
- lags, see [lagged values](#), see [spatial lags](#)
- `lalign()` option, [G-3] [connect_options](#)
- lambda, [LASSO] [Glossary](#)
- Lance and Williams's formula, [MV] [cluster](#)
- language, [D] [unicode locale](#)
syntax, [P] [syntax](#), [U] [11 Language syntax](#)
- language, `label` subcommand, [D] [label language](#)
- languages, multiple, [D] [label language](#)
- LAPACK, [M-1] [LAPACK](#), [M-5] [cholesky\(\)](#), [M-5] [cholinv\(\)](#), [M-5] [cholsolve\(\)](#), [M-5] [eigensystem\(\)](#), [M-5] [eigensystemselect\(\)](#), [M-5] [fullsvd\(\)](#), [M-5] [ghessenbergd\(\)](#), [M-5] [lapack\(\)](#), [M-5] [lud\(\)](#), [M-5] [luinv\(\)](#), [M-5] [lusolve\(\)](#), [M-5] [qrd\(\)](#), [M-5] [qrinv\(\)](#), [M-5] [qrsolve\(\)](#), [M-5] [svd\(\)](#), [M-5] [svsolve\(\)](#), [M-6] [Glossary](#)
- `lapack`, query subcommand, [R] [query](#)
- `lapack_mkl`, set subcommand, [M-1] [LAPACK](#), [R] [set](#)
- `lapack_mkl_cnr`, set subcommand, [M-1] [LAPACK](#), [R] [set](#)
- Laplace
density, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
distribution,
cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
inverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
inverse reverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
reverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- `laplace()` function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- `laplaceden()` function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- `laplacetail()` function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- Laplacian approximation, [ME] [me](#), [ME] [mecloglog](#), [ME] [meglm](#), [ME] [meintreg](#), [ME] [melogit](#), [ME] [menbreg](#), [ME] [meologit](#), [ME] [meoprobbit](#), [ME] [mepoisson](#), [ME] [meprobbit](#), [ME] [mestreg](#), [ME] [metobit](#), [ME] [Glossary](#), [R] [Estimation options](#), [SEM] [Intro 12](#), [SEM] [Methods and formulas for gsem](#)
- large-strata limiting model, [META] [Glossary](#)
- lasso, [LASSO] [Lasso intro](#), [LASSO] [Lasso inference intro](#), [LASSO] [Collinear covariates](#), [LASSO] [Glossary](#), [U] [27.29 Lasso inference](#), [LASSO] [Lasso inference intro](#), [LASSO] [dslogit](#), [LASSO] [dsipoisson](#), [LASSO] [dsregress](#), [LASSO] [Inference examples](#), [LASSO] [Inference requirements](#), [LASSO] [lasso inference postestimation](#), [LASSO] [lasso options](#), [LASSO] [poivregress](#), [LASSO] [pologit](#), [LASSO] [popoisson](#), [LASSO] [poregress](#), [LASSO] [xpoivregress](#), [LASSO] [xpologit](#), [LASSO] [xpipoisson](#), [LASSO] [xporegress](#)
options, [LASSO] [lasso options](#)
postestimation, [LASSO] [bicplot](#), [LASSO] [coefpath](#), [LASSO] [cvplot](#), [LASSO] [estimates store](#), [LASSO] [lasso postestimation](#), [LASSO] [lassocoeff](#), [LASSO] [lasso fitting](#), [LASSO] [lassogof](#), [LASSO] [lasso inference postestimation](#), [LASSO] [lassoinfo](#), [LASSO] [lassoknots](#), [LASSO] [lassoselect](#)
prediction and model selection, [LASSO] [Collinear covariates](#), [LASSO] [elasticnet](#), [LASSO] [lasso](#), [LASSO] [lasso postestimation](#), [LASSO] [lasso examples](#), [LASSO] [lasso fitting](#), [LASSO] [sqrtlasso](#)
selection, see [covariate selection](#)
- lasso command, [LASSO] [lasso](#), [LASSO] [lasso postestimation](#), [LASSO] [lasso examples](#)
- `lassocoeff` command, [LASSO] [lassocoeff](#)
- `lassogof` command, [LASSO] [lassogof](#)
- `lassoinfo` command, [LASSO] [lassoinfo](#)
- `lassoknots` command, [LASSO] [lassoknots](#)
- `lassoselect` command, [LASSO] [lassoselect](#)
- `lastdayofmonth()` function, [D] [Datetime relative dates](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- latent
class, [FMM] [fmm](#), [FMM] [Glossary](#)
goodness-of-fit statistics, [SEM] [estat lcgof](#), [SEM] [Example 51g](#)
marginal means, [FMM] [estat lmean](#), [SEM] [estat lmean](#)
marginal probabilities, [FMM] [estat lcprob](#), [SEM] [estat lcprob](#)
class analysis, [SEM] [Intro 2](#), [SEM] [Intro 5](#), [SEM] [Glossary](#)
class model, [SEM] [Intro 5](#), [SEM] [Example 50g](#), [SEM] [Glossary](#)
cluster model, [SEM] [Glossary](#)

latent, *continued*

- growth model, [SEM] **Intro 5**, [SEM] **Example 18**, [SEM] **Glossary**
- profile analysis, [SEM] **Example 52g**
- profile model, [SEM] **Example 52g**, [SEM] **Glossary**
- roots, [M-5] **eigensystem()**
- space, [IRT] **Glossary**
- trait, [IRT] **Glossary**, *also see* item response theory models
- variable, [FMM] **Glossary**, [SEM] **Intro 4**, [SEM] **Glossary**

L^AT_EX, [RPT] **dyntext**, [TABLES] **collect export**

L^AT_EX, [R] **etable**

Latin-square designs, [MV] **manova**, [R] **anova**, [R] **pkshape**

latitude, see coordinate system

lattice data, [SP] **Intro**, [SP] **Glossary**, *also see* area data

LAV, see least absolute value

Lawley–Hotelling trace statistic, [MV] **canon**, [MV] **manova**, [MV] **mvtest means**, [MV] **Glossary**

layout,

- collect subcommand, [TABLES] **collect layout**

lceffects, estat subcommand, [SVY] **estat**

lcgof, estat subcommand, [SEM] **estat lcgof**, [SEM] **Example 51g**

lcmean, estat subcommand, [FMM] **estat lcmean**, [SEM] **estat lcmean**, [SEM] **Example 50g**, [SEM] **Example 53g**, [SEM] **Example 54g**

lcolor() option, [G-3] **connect_options**, [G-3] **rspike_options**

lcprob, estat subcommand, [FMM] **estat lcprob**, [SEM] **estat lcprob**, [SEM] **Example 50g**, [SEM] **Example 53g**, [SEM] **Example 54g**, [SEM] **Methods and formulas for sem**

LDA, see linear discriminant analysis

lda, discrim subcommand, [MV] **discrim lda**

ldl() function, [M-5] **ldl()**

lead

- operator, see forward operator
- values, see lagged values

leap seconds, [TS] **tsset**

least

- absolute
 - deviation, [R] **qreg**
 - residual, [R] **qreg**
 - value, [R] **qreg**
- squares, see linear regression
- deviations, see linear regression
- generalized, see feasible generalized least squares
- means, [R] **margins**, [R] **marginsplot**, [U] **20.16.1 Obtaining estimated marginal means**

leave one out, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim knn**, [MV] **discrim knn postestimation**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **discrim qda**, [MV] **discrim qda postestimation**, [MV] **Glossary**

leave-one-out meta-analysis, [META] **Intro**, [META] **meta forestplot**, [META] **meta summarize**, [META] **Glossary**

left eigenvectors, [M-5] **eigensystem()**, [M-6] **Glossary**

left-censored, [ERM] **Glossary**, [ST] **Glossary**, [TE] **Glossary**, *also see* imputation, interval-censored data

_lefteigensystem() function, [M-5] **eigensystem()**

lefteigensystem() function, [M-5] **eigensystem()**

lefteigensystemselect*() functions, [M-5] **eigensystemselect()**

leftgeigensystem() function, [M-5] **geigensystem()**

leftgeigensystemselect*() function,

[M-5] **geigensystem()**

left-hand-side variable, [ERM] **Glossary**

left-truncation, [ST] **Glossary**, [TE] **Glossary**

legend() option, [G-3] **legend_options**

legends, [G-3] **clegend_option**, [G-3] **legend_options**, [G-4] **Glossary**

problems, [G-3] **legend_options**

use with by(), [G-3] **by_option**,

[G-3] **clegend_option**, [G-3] **legend_options**

legendstyle, [G-4] **legendstyle**, [G-4] **Glossary**

length, [M-5] **abs()**, [M-5] **rows()**, [M-5] **strlen()**, [M-5] **ustrlen()**, [M-5] **udstrlen()**

length() function, [M-5] **rows()**

length of string function, [FN] **String functions**

less than (or equal) operator, see relational operators

letter values, [R] **lv**

level command and value, [P] **macro**

level, set subcommand, [R] **level**, [R] **set**

levels, [U] **11.4.3 Factor variables**

levelsof,

collect subcommand, [TABLES] **collect levelsof**

levelsof command, [P] **levelsof**

Levene's robust test statistic, [R] **sdtest**

leverage, [R] **logistic postestimation**, [R] **regress postestimation diagnostic plots**

leverage-versus-(squared)-residual plot, [R] **regress postestimation diagnostic plots**

Levin–Lin–Chu test, [XT] **xtunitroot**

_LEx, [SEM] **sem** and **gsem** option **covstructure()**

lexis command, [ST] **stsplit**

lexis diagram, [ST] **stsplit**

lfit, graph twoway subcommand, [G-2] **graph twoway lfit**

lfitci, graph twoway subcommand, [G-2] **graph twoway lfitci**

Li–Racine kernel function, [R] **npregress kernel**

libraries, [M-1] **How**, [M-3] **lmbuild**, [M-3] **mata mlib**, [M-3] **mata which**

license, [R] **about**

life tables, [ST] **ltable**, [ST] **sts**, [ST] **Glossary**

likelihood, see maximum likelihood estimation

likelihood displacement value, [ST] **stcox**

postestimation, [ST] **Glossary**

likelihood-ratio

χ^2 of association, [R] **tabulate** **twoway**

test, [DSGE] **Intro 8**, [DSGE] **Glossary**,

[PSS-2] **power** **twoproportions**,

[PSS-5] **Glossary**, [R] **lrtest**, [SEM] **lrtest**,

[SEM] **Methods and formulas for sem**,

[U] **20.13.3 Likelihood-ratio tests**

Likert summative scales, [MV] **alpha**

limited dependent variables

Bayesian estimation, [BAYES] **bayes: betareg**,

[BAYES] **bayes: binreg**, [BAYES] **bayes: biprobit**, [BAYES] **bayes: clogit**,

[BAYES] **bayes: cloglog**, [BAYES] **bayes: glm**,

[BAYES] **bayes: gnbreg**, [BAYES] **bayes: heck-**

oprobit, [BAYES] **bayes: heckpro-**

bit, [BAYES] **bayes: hetoprobit**,

[BAYES] **bayes: hetprobit**, [BAYES] **bayes: in-**

treg,

[BAYES] **bayes: logistic**, [BAYES] **bayes: logit**,

[BAYES] **bayes: meclglog**,

[BAYES] **bayes: meglm**, [BAYES] **bayes: mel-**

ogit,

[BAYES] **bayes: menbreg**, [BAYES] **bayes: me-**

ologit, [BAYES] **bayes: meopro-**

bit, [BAYES] **bayes: mepois-**

son, [BAYES] **bayes: meprobit**,

[BAYES] **bayes: mlogit**, [BAYES] **bayes: mpro-**

bit,

[BAYES] **bayes: nbreg**, [BAYES] **bayes: ologit**,

[BAYES] **bayes: oprobit**, [BAYES] **bayes: pois-**

son, [BAYES] **bayes: probit**,

[BAYES] **bayes: streg**, [BAYES] **bayes: tnbreg**,

[BAYES] **bayes: tobit**, [BAYES] **bayes: tpois-**

son, [BAYES] **bayes: truncreg**,

[BAYES] **bayes: xtlogit**, [BAYES] **bayes: xtm-**

logit, [BAYES] **bayes: xtnbreg**,

[BAYES] **bayes: xtologit**, [BAYES] **bayes: xto-**

probit, [BAYES] **bayes: xtpoisson**,

[BAYES] **bayes: xtprobit**, [BAYES] **bayes: zinh**,

[BAYES] **bayes: zilogit**, [BAYES] **bayes: zio-**

probit, [BAYES] **bayes: zip**

beta regression, [R] **betareg**

Brier score decomposition, [R] **brier**

censored Poisson regression, [R] **cpoisson**

choice model

conditional logit, [CM] **cmclogit**

mixed logit, [CM] **cmmixlogit**,

[CM] **cmxtmixlogit**

multinomial probit, [CM] **cmmprobit**

nested logistic, [CM] **nlogit**

panel data, [CM] **cmxtmixlogit**

rank-ordered logistic, [CM] **cmrologit**

rank-ordered probit, [CM] **cmroprobit**

complementary log-log regression, [R] **cloglog**

cumulative sum, [R] **cusum**

limited dependent variables, *continued*

extended regression model, [ERM] **eintreg**,

[ERM] **eoprobit**, [ERM] **eprobit**

finite mixture model, [FMM] **fmm: betareg**,

[FMM] **fmm: cloglog**, [FMM] **fmm: glm**,

[FMM] **fmm: intreg**, [FMM] **fmm: logit**,

[FMM] **fmm: mlogit**, [FMM] **fmm: nbreg**,

[FMM] **fmm: ologit**, [FMM] **fmm: oprobit**,

[FMM] **fmm: poisson**, [FMM] **fmm: probit**,

[FMM] **fmm: streg**, [FMM] **fmm: tobit**,

[FMM] **fmm: tpoisson**, [FMM] **fmm: truncreg**,

[FMM] **Example 2**

generalized linear model, [R] **glm**

for binomial family, [R] **binreg**

interval regression, [R] **intreg**

item response theory, [IRT] **Control Panel**, [IRT] **irt**

1pl, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt grm**,

[IRT] **irt nrm**, [IRT] **irt pcm**, [IRT] **irt rsm**,

[IRT] **irt hybrid**

linear regression, truncated, [R] **truncreg**

logistic regression, [R] **logistic**, [R] **logit**

conditional, [R] **clogit**

exact, [R] **exlogistic**

multinomial, [R] **mlogit**

ordered, [R] **ologit**

skewed, [R] **scobit**

stereotype, [R] **slogit**

zero-inflated ordered, [R] **ziologit**

multilevel mixed-effects model, [ME] **mecloglog**,

[ME] **meglm**, [ME] **meintreg**, [ME] **melogit**,

[ME] **menbreg**, [ME] **meologit**,

[ME] **meoprobit**, [ME] **mepoisson**,

[ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**

multinomial

logistic regression, [R] **mlogit**

probit regression, [R] **mprobit**

negative binomial regression, [R] **nbreg**

truncated, [R] **tnbreg**

zero-inflated, [R] **zinb**

panel-data model, [ERM] **eoprobit**, [ERM] **eprobit**,

[ERM] **Example 9**, [XT] **xtcloglog**, [XT] **xtgee**,

[XT] **xtlogit**, [XT] **xtmlogit**, [XT] **xtnbreg**,

[XT] **xtlogit**, [XT] **xtoprobit**, [XT] **xtpoisson**,

[XT] **xtprobit**, [XT] **xtstreg**

Poisson regression, [R] **poisson**

exact, [R] **expoisson**

truncated, [R] **tpoisson**

with endogenous covariates, [R] **ivpoisson**

with sample selection, [R] **heckpoisson**

zero-inflated, [R] **zip**

probit regression, [R] **probit**

bivariate, [R] **biprobit**

heteroskedastic, [R] **hetprobit**

multinomial, [R] **mprobit**

ordered, [R] **heckoprobit**, [R] **hetoprobit**,

[R] **oprobit**

with endogenous covariates, [R] **ivprobit**

with sample selection, [R] **heckprobit**

zero-inflated ordered, [R] **zioprobit**

limited dependent variables, *continued*

ROC analysis estimation, [R] **rocf**, [R] **roc**

survey data, [SVY] **svy** estimation

survival analysis, [ST] **stcox**, [ST] **stcrreg**,

[ST] **stintcox**, [ST] **stintreg**, [ST] **streg**

tobit model, [R] **tobit**

treatment effect, [TE] **etpoisson**

truncated

linear regression, [R] **truncreg**

negative binomial regression, [R] **tnbreg**

Poisson regression, [R] **tpoisson**

zero-inflated

negative binomial regression, [R] **zinb**

ordered logistic regression, [R] **ziologit**

ordered probit regression, [R] **zioprobit**

Poisson regression, [R] **zip**

limits, [D] **describe**, [D] **memory**, [M-1] **Limits**,

[R] **Limits**, [U] **6 Managing memory**

numerical and string, [P] **creturn**

system, [P] **creturn**

lincom command, [R] **lincom**, [SEM] **Intro 7**,

[SEM] **estat stdize**, [SEM] **lincom**, [SVY] **svy**

postestimation

Lindstrom–Bates algorithm, [ME] **menl**, [ME] **Glossary**

line, definition, [G-4] **linestyle**

line, **graph twoway** subcommand, [G-2] **graph**

twoway line

linealignmentstyle, [G-4] **linealignmentstyle**,

[G-4] **Glossary**

linear

combinations, [SVY] **estat**, [SVY] **svy**

postestimation

forming, [P] **matrix score**

of parameters, [R] **lincom**, [U] **20.14 Obtaining**

linear combinations of coefficients

discriminant analysis, [MV] **candisc**, [MV] **discrim**

lda, [MV] **Glossary**

DSGE, [BAYES] **bayes: dsge**,

[BAYES] **bayes: dsge**, [DSGE] **dsge**

filter, [TS] **tsfilter**, [TS] **tsfilter cf**, [TS] **tssmooth**

ma, [TS] **Glossary**

form, [ME] **Glossary**

hypothesis test after estimation, [R] **contrast**,

[R] **lrtest**, [R] **margins**, [R] **margins, contrast**,

[R] **margins, pwcompare**, [R] **pwcompare**,

[R] **test**

interpolation and extrapolation, [D] **ipolate**

logit model, [PSS-2] **power trend**

mixed-effects model, [ME] **me**, [ME] **mixed**,

[ME] **Glossary**

Bayesian, [BAYES] **bayes: mixed**

optimization, [M-5] **LinearProgram()**

prediction, see **multiple imputation**, **prediction**

programming, [M-5] **LinearProgram()**

random-effects Bayesian, [BAYES] **bayes: xtreg**

linear, *continued*

regression, [R] **regress**, [U] **27.3.2 Linear regression**

analysis of variance, [R] **anova**

Bayesian, [BAYES] **bayes: binreg**,

[BAYES] **bayes: glm**,

[BAYES] **bayes: heckman**,

[BAYES] **bayes: hetreg**,

[BAYES] **bayes: intreg**,

[BAYES] **bayes: mvreg**,

[BAYES] **bayes: regress**,

[BAYES] **bayes: tobit**,

[BAYES] **bayes: truncreg**

censored outcomes, [R] **churdle**,

[R] **intreg**, [R] **tobit**, [R] **truncreg**,

[U] **27.3.5 Regression with censored and truncated outcomes**

constrained, [R] **cnsgreg**

elastic net, [LASSO] **elasticnet**

errors-in-variables, [R] **eivreg**

extended regression model, [ERM] **Intro 2**,

[ERM] **eintreg**, [ERM] **eregress**,

[ERM] **Example 1a**, [ERM] **Example 2a**,

[ERM] **Example 2b**, [ERM] **Example 2c**

finite mixture

model, [FMM] **fmm**, [FMM] **fmm: glm**,

[FMM] **fmm: intreg**, [FMM] **fmm: ivreg**,

[FMM] **fmm: regress**, [FMM] **fmm: tobit**,

[FMM] **fmm: truncreg**, [FMM] **Example 1a**,

[FMM] **Example 1b**, [FMM] **Example 1c**,

[FMM] **Example 1d**

generalized linear model, see **generalized linear model**

generalized method of moments, [R] **gmm**

Heckman selection model, [R] **heckman**,

[XT] **xheckman**

heteroskedastic errors, see **heteroskedastic linear regression**

imputation, see **imputation**, **regression**

instrumental-variable, [LASSO] **poivre**,

[LASSO] **xpoivre**, [R] **ivreg**,

[R] **ivtobit**

lasso, [LASSO] **Lasso inference intro**,

[LASSO] **dsreg**, [LASSO] **Inference**

examples, [LASSO] **lasso**,

[LASSO] **poivre**, [LASSO] **poreg**,

[LASSO] **sqrtlasso**, [LASSO] **xpoivre**,

[LASSO] **xporeg**

multilevel mixed-effects, [ME] **meintreg**,

[ME] **metobit**

multivariate, [META] **meta mvreg**,

[MV] **mvreg**

ordinary least-squares, [R] **regress**

linear regression, *continued*

panel data, [BAYES] **bayes: xtreg**,
 [ERM] **eintreg**, [ERM] **eregress**,
 [ERM] **Example 7**, [ERM] **Example 8a**,
 [ERM] **Example 8b**, [XT] **xtabond**,
 [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xtfrontier**,
 [XT] **xtgee**, [XT] **xtgls**, [XT] **xthheckman**,
 [XT] **xthtaylor**, [XT] **xtintreg**, [XT] **xtivreg**,
 [XT] **xtpcse**, [XT] **xtrec**, [XT] **xtreg**,
 [XT] **xtregar**, [XT] **xttobit**, *also see* panel data

power and sample size, [PSS-2] **power**,
 [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pccorr**

quantile, [R] **qreg**

random-coefficients model, *see* random-coefficients model

robust, [R] **rreg**

seemingly unrelated, [R] **sureg**

spatial autoregressive model, [SP] **spivregress**,
 [SP] **spregress**, [SP] **spxtregress**

stochastic frontier, [R] **frontier**

structural equation modeling, [SEM] **Intro 5**,
 [SEM] **Example 6**, [SEM] **Glossary**

survey data, [SVY] **svy estimation**

three-stage least-squares, [R] **reg3**

time series, [TS] **newey**, [TS] **prais**

treatment effects, [TE] **etregress**, [TE] **teffects ra**

truncated outcomes, *see* linear regression, censored outcomes

with dummy-variable set, [R] **areg**

splines, [R] **mkspline**

test, *see* estimation, test after

trend, [PSS-2] **power trend**

linear, **churdle** subcommand, [R] **churdle**

linear-by-linear test for trend, [R] **nptrend**

linearization, *see* linearized variance estimator

log likelihood, [ME] **Glossary**

method, [ME] **menl**, [ME] **Glossary**

linearized

model, [DSGE] **Glossary**

variance estimator, [SVY] **Variance estimation**,
 [SVY] **Glossary**

LinearProgram() function, [M-5] **LinearProgram()**

linegap, **set** subcommand, [R] **set**

linepalette, **palette** subcommand, [G-2] **palette**

linepatternstyle, [G-4] **linepatternstyle**, [G-4] **Glossary**

lines, [G-4] **Concept: lines**

adding, [G-2] **graph twoway lfit**,
 [G-3] **added_line_options**, [G-4] **Glossary**, *also see* fits, adding

alignments, [G-4] **linealignmentstyle**

connecting points, [G-3] **connect_options**,
 [G-4] **connectstyle**

dashed, [G-4] **linepatternstyle**

dotted, [G-4] **linepatternstyle**

grid, [G-3] **axis_label_options**, [G-4] **linestyle**

lines, *continued*

long, in do-files and ado-files, [P] **#delimit**,
 [U] **18.11.2 Comments and long lines in ado-files**

look of, [G-3] **fcline_options**, [G-3] **line_options**,
 [G-4] **linestyle**

patterns, [G-4] **linepatternstyle**

suppressing, [G-4] **linestyle**

thickness, [G-4] **linewidthstyle**

linesize, **set** subcommand, [R] **log**, [R] **set**

linestyle, [G-4] **linestyle**, [G-4] **Glossary**

added, [G-4] **addedlinestyle**

linewidthstyle, [G-4] **linewidthstyle**, [G-4] **Glossary**

link data, [D] **frget**, [D] **frlink**

link function, [ME] **Glossary**, [SEM] **Glossary**,
 [XT] **Glossary**

beta regression, [BAYES] **bayes: betareg**,
 [FMM] **fmm: betareg**, [R] **betareg**

generalized linear model, [BAYES] **bayes: glm**,
 [FMM] **fmm: glm**, [R] **binreg**, [R] **glm**

with panel data, [XT] **xtcloglog**, [XT] **xtgee**,
 [XT] **xtlogit**, [XT] **xtnlogit**, [XT] **xtnbreg**,
 [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtreg**

multilevel mixed-effects model, [ME] **meglm**

structural equation modeling, [SEM] **Methods and formulas for gsem**

link test, [R] **linktest**

link, **net** subcommand, [R] **net**

linkage, [MV] **cluster**, [MV] **clustermat**, [MV] **cluster linkage**, [MV] **Glossary**

linkages, [D] **frget**, [D] **frlink**

linktest command, [R] **linktest**

list

data, [D] **edit**, [D] **list**

estimation results, *see* results, listing

macro expanded functions, [P] **macro lists**

manipulation, [P] **macro lists**

strings, [U] **12.4.13 How to see the full contents of a strL or a str# variable**

subscripts, *see* subscripts

values of a variable, [P] **levelsof**

list,

cluster subcommand, [MV] **cluster utility**

estat subcommand, [MV] **discrim estat**,
 [MV] **discrim knn postestimation**,
 [MV] **discrim lda postestimation**, [MV] **discrim logistic**, [MV] **discrim qda postestimation**

char subcommand, [P] **char**

constraint subcommand, [R] **constraint**

creturn subcommand, [P] **creturn**

duplicates subcommand, [D] **duplicates**

ereturn subcommand, [P] **ereturn**, [P] **return**,
 [R] **Stored results**

forecast subcommand, [TS] **forecast list**

jdbc subcommand, [D] **jdbc**

label subcommand, [D] **label**

macro subcommand, [P] **macro**

matrix subcommand, [P] **matrix utility**

list, continued

- notes subcommand, [D] [notes](#)
- odbc subcommand, [D] [odbc](#)
- program subcommand, [P] [program](#)
- return subcommand, [P] [return](#), [R] [Stored results](#)
- scalar subcommand, [P] [scalar](#)
- snapshot subcommand, [D] [snapshot](#)
- sreturn subcommand, [P] [return](#), [R] [Stored results](#)
- ssd subcommand, [SEM] [ssd](#)
- sts subcommand, [ST] [sts list](#)
- sysdir subcommand, [P] [sysdir](#)
- timer subcommand, [P] [timer](#)
- vl subcommand, [D] [vl list](#)

list command, [D] [list](#)

list macro function, [P] [macro lists](#)

liststruct() function, [M-5] [liststruct\(\)](#)

listwise deletion, [MI] [Intro substantive](#), [MI] [mi estimate](#), [MI] [Glossary](#)

llc, xtunitroot subcommand, [XT] [xtunitroot](#)

Lmatrix() function, [M-5] [Lmatrix\(\)](#)

LMAX value, [ST] [stcox postestimation](#), [ST] [Glossary](#)

lmbuild command, [M-3] [lmbuild](#)

LME, see [linear mixed-effects model](#)

ln() function, [FN] [Mathematical functions](#), [M-5] [exp\(\)](#)

ln1m() function, [FN] [Mathematical functions](#), [M-5] [exp\(\)](#)

ln1p() function, [FN] [Mathematical functions](#), [M-5] [exp\(\)](#)

lncauchyden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnfactorial() function, [FN] [Mathematical functions](#), [M-5] [factorial\(\)](#)

lngamma() function, [FN] [Mathematical functions](#), [M-5] [factorial\(\)](#)

lnigammaden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnigaussianden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lniwishartden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnlaplaceden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnmvnormalden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnnormal() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnnormalden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

lnskew0 command, [R] [lnskew0](#)

lnwishartden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

load,

- bcal subcommand, [D] [bcal](#)
- jdbc subcommand, [D] [jdbc](#)
- odbc subcommand, [D] [odbc](#)

load data, see [import data](#), see [input data interactively](#), see [read data from disk](#), see [use data](#)

loading, [MV] [Glossary](#)

loading plot, [MV] [scoreplot](#), [MV] [Glossary](#)

loadingplot command, [MV] [discrim lda postestimation](#), [MV] [factor postestimation](#), [MV] [pca postestimation](#), [MV] [scoreplot](#)

loadings, estat subcommand, [MV] [ca postestimation](#), [MV] [canon postestimation](#), [MV] [discrim lda](#), [MV] [discrim lda postestimation](#), [MV] [pca postestimation](#)

local

- independence, [IRT] [Glossary](#)

- linear, [R] [lpoly](#)

- polynomial, [R] [lpoly](#)

- polynomial smoothing, [G-2] [graph twoway lpoly](#), [G-2] [graph twoway lpoly ci](#)

local

- ++ command, [P] [macro](#)

- command, [P] [macro](#)

- command, [P] [macro](#), [U] [18.3.1 Local macros](#), [U] [18.3.9 Advanced local macro manipulation](#)

local,

- ereturn subcommand, [P] [ereturn](#), [P] [return](#)

- return subcommand, [P] [return](#)

- sreturn subcommand, [P] [return](#)

Local, class prefix operator, [P] [class](#)

local-constant kernel regression, [R] [npregress kernel](#)

locale, [D] [unicode](#), [D] [unicode locale](#), [D] [Glossary](#), [P] [Glossary](#), [U] [Glossary](#)

- collation, [D] [unicode collator](#)

locale_functions, set subcommand, [P] [set locale_functions](#), [R] [set](#)

locale_ui, set subcommand, [P] [set locale_ui](#), [R] [set](#)

localization, [D] [unicode locale](#)

local-linear kernel regression, [R] [npregress kernel](#)

locally weighted smoothing, [R] [lowess](#)

location,

- data containing, [SP] [Intro 5](#)

- measures of, see [measures of location](#)

- specifying in graphs, [G-4] [clockposstyle](#),

- [G-4] [compassdirstyle](#), [G-4] [ringposstyle](#)

locksplitters, set subcommand, [R] [set](#)

log

- odds-ratio, [META] [meta summarize](#)

- risk-ratio, [META] [meta summarize](#)

log

- close command, [R] [log](#)

- command, [R] [log](#), [R] [view](#), [U] [15 Saving and printing output—log files](#), [U] [16.1.2 Comments and blank lines in do-files](#)

- off command, [R] [log](#)

- on command, [R] [log](#)

- query command, [R] [log](#)

- using command, [R] [log](#)

.log file, [U] [11.6 Filenaming conventions](#)

- log files, see **log** command
 - printing, [R] **translate**
- log()** function, [FN] **Mathematical functions**, [M-5] **exp()**
- log hazard-ratio, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 - one-sample, [PSS-2] **power cox**
- log hazard-rate, [PSS-2] **power exponential**, [PSS-2] **power logrank**
- log hazards
 - control-group, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 - experimental-group, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 - two-sample, [PSS-2] **power exponential**, [PSS-2] **power logrank**
- log likelihood, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [FMM] **fmm**, [SEM] **Methods and formulas for gsem**, [SEM] **Methods and formulas for sem**
- log–log plot, [ST] **stcox PH-assumption tests**
- log–log survival plot, [ST] **stintcox PH-assumption plots**
- log scales, [G-3] **axis_scale_options**
- log transformations, [R] **boxcox**, [R] **lnskew0**
- log10()** function, [FN] **Mathematical functions**, [M-5] **exp()**
- log1m()** function, [FN] **Mathematical functions**, [M-5] **exp()**
- log1p()** function, [FN] **Mathematical functions**, [M-5] **exp()**
- logarithms, [FN] **Mathematical functions**, [M-5] **exp()**, [M-5] **matexpsym()**
- logical operators, [M-2] **op_colon**, [M-2] **op_logical**, [U] **13.2.4 Logical operators**
- logistic
 - density,
 - mean μ , scale s , [FN] **Statistical functions**, [M-5] **normal()**
 - standard, [FN] **Statistical functions**, [M-5] **normal()**
 - discriminant analysis, [MV] **discrim logistic**, [MV] **Glossary**
 - distribution,
 - cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - regression, [FMM] **fmm**
 - regression imputation, see **imputation**, **logistic regression**
- logistic and logit regression, [LASSO] **Lasso inference intro**, [LASSO] **dslogit**, [LASSO] **elasticnet**, [LASSO] **Inference examples**, [LASSO] **lasso**, [LASSO] **pologit**, [LASSO] **xpologit**, [R] **logistic**, [R] **logit**, [U] **27.4.1 Logistic**, **probit**, and **complementary log–log regression**
- logistic and logit regression, *continued*
 - Bayesian estimation, [BAYES] **bayes: logistic**, [BAYES] **bayes: logit**, [BAYES] **bayes: xtlogit**, [BAYES] **bayes: ziologit**
 - complementary log–log, [FMM] **fmm: cloglog**, [R] **cloglog**
 - conditional, [BAYES] **bayes: clogit**, [CM] **cmclogit**, [CM] **cmrologit**, [R] **clogit**, [U] **27.4.2 Conditional logistic regression**
 - exact, [R] **exlogistic**
 - finite mixture model, [FMM] **fmm: logit**
 - multinomial, [FMM] **fmm: mlogit**
 - fixed-effects, [R] **clogit**, [XT] **xtlogit**, [XT] **xtmlogit**, [XT] **xtstreg**
 - fractional polynomial, [R] **fp**
 - generalized estimating equations, [XT] **xtgee**
 - generalized linear model, [FMM] **fmm: glm**, [R] **glm**
 - item response theory, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt hybrid**
 - multinomial, [IRT] **irt nrm**, [IRT] **irt hybrid mixed**, [CM] **cmmixlogit**, [CM] **cmxtmixlogit**
 - mixed-effects, [ME] **melogit**, *also see* **ordered logistic regression**
 - Bayesian, [BAYES] **bayes: melogit**
 - multinomial, [BAYES] **bayes: mlogit**, [CM] **cmclogit**, [FMM] **fmm: mlogit**, [IRT] **irt nrm**, [IRT] **irt hybrid**, [R] **clogit**, [R] **mlogit**, [SVY] **svy estimation**
 - nested, [CM] **nlogit**
 - ordered, [BAYES] **bayes: ziologit**, [FMM] **fmm: ologit**, [IRT] **irt grm**, [IRT] **irt pcm**, [IRT] **irt rsm**, [IRT] **irt hybrid**, [R] **ologit**, [R] **ziologit**
 - polytomous, see **logistic and logit regression**, **multinomial**
 - population-averaged, [XT] **xtgee**, [XT] **xtlogit**, [XT] **xtstreg**
 - random-effects, [XT] **xtlogit**, [XT] **xtmlogit**, [XT] **xtologit**, [XT] **xtstreg**
 - rank-ordered, [CM] **cmrologit**
 - skewed, [R] **scobit**
 - stereotype, [R] **slogit**
 - structural equation modeling, [SEM] **Intro 5**, [SEM] **Example 33g**, [SEM] **Example 34g**, [SEM] **Glossary**
 - multinomial, [SEM] **Example 37g**, [SEM] **Example 41g**
 - survey data, [SVY] **svy estimation**
 - zero-inflated ordered, [BAYES] **bayes: ziologit**, [R] **ziologit**
- logistic command, [R] **logistic**, [R] **logistic postestimation**
- logistic, **discrim** subcommand, [MV] **discrim logistic**
- logistic()** function, [FN] **Statistical functions**, [M-5] **normal()**
- logisticden()** function, [FN] **Statistical functions**, [M-5] **normal()**

- logistictail() function, [FN] **Statistical functions**, [M-5] **normal()**
- logit command, [R] **logit**, [R] **logit postestimation**
- logit() function, [FN] **Mathematical functions**, [M-5] **logit()**
- logit regression, see **logistic and logit regression**
- log-linear model,
 - [BAYES] **bayes: glm**, [BAYES] **bayes: poisson**, [BAYES] **bayes: tpoisson**, [BAYES] **bayes: xtpoisson**, [BAYES] **bayes: zip**, [DSGE] **Glossary**, [FMM] **fm: glm**, [FMM] **fm: poisson**, [FMM] **fm: tpoisson**, [FMM] **Example 2**, [R] **cpoisson**, [R] **exppoisson**, [R] **glm**, [R] **heckpoisson**, [R] **ivpoisson**, [R] **poisson**, [R] **tpoisson**, [R] **zip**, [SVY] **svy estimation**, [TE] **etpoisson**
- logistic survival regression, [BAYES] **bayes: streg**, [FMM] **fm: streg**, [SEM] **Example 48g**, [ST] **stintreg**, [ST] **streg**
- logmsg, set subcommand, [R] **log**, [R] **set**
- lognormal survival regression, [BAYES] **bayes: streg**, [FMM] **fm: streg**, [ST] **stintreg**, [ST] **streg**
- logrank, power subcommand, [PSS-2] **power logrank**, [PSS-2] **power logrank, cluster**
- log-rank test, [PSS-2] **power logrank**, [ST] **sts test**
 - cluster randomized design, [PSS-2] **power logrank, cluster**
- logtype, set subcommand, [R] **log**, [R] **set**
- LOHI, [M-5] **byteorder()**
- loneway command, [R] **loneway**
- long, [D] **Data types**, [U] **12.2.2 Numeric storage types**
- long data format, [D] **Glossary**
 - conversion to wide, [D] **reshape**
- long lines in ado-files and do-files, [P] **#delimit**, [U] **18.11.2 Comments and long lines in ado-files**
- long, reshape subcommand, [D] **reshape**
- long strings, see **string variables**, **long**
- longitude, see **coordinate system**
- longitudinal
 - data, [D] **assertnested**, [ERM] **Glossary**, [MI] **mi estimate**, [XT] **Glossary**, also see **panel data**
 - studies, see **cohort study**
 - survey data, [SVY] **svy estimation**, [TABLES] **Example 7**
- long-memory process, [TS] **arfima**, [TS] **Glossary**
- LOO, see **leave one out**
- look of areas, [G-3] **area_options**, [G-3] **fitarea_options**
- lookfor command, [D] **lookfor**
- lookup,
 - icd10 subcommand, [D] **icd10**
 - icd10cm subcommand, [D] **icd10cm**
 - icd10pcs subcommand, [D] **icd10pcs**
 - icd9 subcommand, [D] **icd9**
 - icd9p subcommand, [D] **icd9p**
- loop, [M-2] **do**, [M-2] **for**, [M-2] **while**, [P] **continue**, [P] **foreach**, [P] **forvalues**, [P] **while**
 - continuing, [M-2] **continue**
 - endless, see **endless loop**
 - exiting, [M-2] **break**
 - use of semicolons in, [M-2] **Semicolons**
- looping, [P] **Glossary**
- Lorenz curve, [R] **Inequality**
- loss, [MV] **Glossary**
- lost to follow up, see **follow-up**, **loss to**
- Lotus 1-2-3, importing from, see **spreadsheets**
- lower
 - ASCII, see **plain ASCII**
 - asymptote, [IRT] **Glossary**
 - one-sided
 - confidence interval, [PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onvariance**, [PSS-5] **Glossary**
 - test, [PSS-5] **Glossary**, also see **one-sided test (power)**
 - one-tailed test, [PSS-5] **Glossary**, also see **one-sided test (power)**
- lowercase-string functions, [FN] **String functions**, [M-5] **strupper()**, [M-5] **ustrupper()**, also see **titlecase**
- _lowertriangle() function, [M-5] **lowertriangle()**
- lowertriangle() function, [M-5] **lowertriangle()**
- lower-triangular matrix, see **triangular matrix**
- lowess, see **locally weighted smoothing**
 - smoothing, [G-2] **graph twoway lowess**, [R] **lowess**
- lowess command, [R] **lowess**
- lowess, graph twoway subcommand, [G-2] **graph twoway lowess**
- lowest-level group, [ME] **Glossary**
- lpattern() option, [G-3] **connect_options**, [G-3] **rspike_options**
- lpoly command, [R] **lpoly**
- lpoly, graph twoway subcommand, [G-2] **graph twoway lpoly**
- lpolyci, graph twoway subcommand, [G-2] **graph twoway lpolyci**
- L-R plots, [R] **regress postestimation diagnostic plots**
- LRECLs, [D] **infile (fixed format)**
- lroc command, [R] **lroc**
- lrtest command, [R] **lrtest**, [SEM] **Example 10**, [SEM] **Example 39g**, [SEM] **lrtest**
- ls command, [D] **dir**
- lsens command, [R] **lsens**
- lstat command, see **estat classification**
 - command
- lstretch, set subcommand, [R] **set**
- lstyle() option, [G-3] **rspike_options**
- ltable command, [ST] **ltable**
- LU decomposition, [M-5] **lud()**
- _lud() function, [M-5] **lud()**
- lud() function, [M-5] **lud()**

`_lud_la()` function, [M-5] **lud()**
`_luinv()` function, [M-5] **luinv()**
`luinv()` function, [M-5] **luinv()**
`_luinv_la()` function, [M-5] **luinv()**
`_luinv_lapacke()` function, [M-5] **luinv()**
`_lusolve()` function, [M-5] **lusolve()**
`lusolve()` function, [M-5] **lusolve()**
`_lusolve_la()` function, [M-5] **lusolve()**
`lv` command, [R] **lv**
`lval`, [M-2] **op_assignment**, [M-6] **Glossary**
`lvalue`, class, [P] **class**
`lvr2plot` command, [R] **regress postestimation diagnostic plots**
`lwidth()` option, [G-3] **connect_options**, [G-3] **rspike_options**

M

`M`, [MI] **mi impute**, [MI] **Glossary**
 size recommendations, [MI] **Intro substantive**, [MI] **mi estimate**
`m`, [MI] **Glossary**
`MA`, see **moving average model**
`ma`, `tssmooth` subcommand, [TS] **tssmooth ma**
`Mac`,
 keyboard use, [U] **10 Keyboard use**
 pause, [P] **sleep**
 specifying filenames, [U] **11.6 File naming conventions**
machine precision, [M-5] **epsilon()**, [M-6] **Glossary**
`macro`
 `dir` command, [P] **macro**
 `drop` command, [P] **macro**
 `list` command, [P] **macro**
 `shift` command, [P] **macro**
macro functions, [P] **char**, [P] **display**, [P] **macro**, [P] **macro lists**, [P] **setset**
macro substitution, [M-1] **Ado**, [P] **macro**, [U] **18.3 Macros**
 class, [P] **class**
macros, [D] **vl**, [D] **vl create**, [D] **vl drop**, [D] **vl list**, [D] **vl rebuild**, [D] **vl set**, [P] **creturn**, [P] **macro**, [P] **scalar**, [P] **syntax**, [P] **Glossary**, [U] **18.3 Macros**, also see `e()` stored results
`macval()` macro expansion function, [P] **macro**
`MAD`, see **minimum absolute deviation**
`mad()`, `egen` function, [D] **egen**
`Mahalanobis`
 distance, [MV] **Glossary**
 transformation, [MV] **discrim knn**, [MV] **Glossary**
main effects, [MV] **manova**, [PSS-5] **Glossary**, [R] **anova**
main equation, [ERM] **Glossary**
`makecns` command, [P] **makecns**

`_makesymmetric()` function, [M-5] **makesymmetric()**
`makesymmetric()` function, [M-5] **makesymmetric()**
`man` command, [R] **help**
`manage`, window subcommand, [P] **window programming**, [P] **window manage**
MANCOVA, see **multivariate analysis of variance**
`mangle` option, [G-2] **graph twoway pcarrow**
manifest variables, [SEM] **Glossary**
manipulation,
 graph, [G-2] **graph manipulation**
 matrix, [M-4] **Manipulation**
Mann–Whitney two-sample statistics, [R] **ranksum**
MANOVA, see **multivariate analysis of variance**
`manova` command, [MV] **manova**, [MV] **manova postestimation**
`manova`, `estat` subcommand, [MV] **discrim lda postestimation**
`manovatest` command, [MV] **manova postestimation**
Mantel–Cox method, [ST] **strate**
Mantel–Haenszel
 method, [META] **Glossary**, [ST] **strate**
 test, [PSS-5] **Glossary**, [R] **Epitab**, [ST] **stir**
map strings to numbers, [D] **destring**, [D] **encode**, [D] **label**, also see `real()` function, also see `strtoreal()` function
maps, [M-5] **asarray()**, [M-5] **AssociativeArray()**
MAR, see **missing at random**, see **missing values**
margin of error, see **confidence-interval half-width**
marginal
 distribution, Bayesian, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **Glossary**
 effects, [CM] **margins**, [R] **margins**, [R] **marginsplot**, [U] **20.16 Obtaining marginal means, adjusted predictions, and predictive margins**, [U] **20.20 Graphing margins, marginal effects, and contrasts**
 homogeneity, [PSS-2] **power**, [PSS-2] **power pairedproportions**, [PSS-2] **power mcc**, [PSS-5] **Glossary**
 homogeneity, test of, [R] **symmetry**
 likelihood, Bayesian, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **bayestest model**, [BAYES] **Glossary**
 means, [CM] **margins**, [R] **contrast**, [R] **margins**, [R] **margins, contrast**, [R] **margins, pwcompare**, [R] **marginsplot**, [R] **pwcompare**, [U] **20.16 Obtaining marginal means, adjusted predictions, and predictive margins**
 posterior distribution, Bayesian, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **bayesgraph**, [BAYES] **bayesstats ess**, [BAYES] **bayesstats grubin**, [BAYES] **bayesstats summary**, [BAYES] **bayestest interval**, [BAYES] **Glossary**
 proportion, see **proportions, marginal**

- margins** command, [CM] **Intro 1**, [CM] **margins**, [ERM] **Intro 7**, [R] **margins**, [R] **margins postestimation**, [R] **margins, contrast**, [R] **margins, pwcompare**, [R] **marginsplot**, [SEM] **Intro 7**, [SVY] **svy postestimation**, [U] **20.16** Obtaining marginal means, adjusted predictions, and predictive means
- margins**, size of, [G-4] *marginstyle*
- margins** test, [CM] **margins**, [R] **margins**, [R] **pwcompare**
- marginsplot** command, [R] **marginsplot**, [U] **20.20** Graphing margins, marginal effects, and contrasts
- marginstyle*, [G-3] *region_options*, [G-3] *textbox_options*, [G-4] *marginstyle*, [G-4] **Glossary**
- mark** command, [P] **mark**
- Markdown, [R] **etable**, [RPT] **Dynamic documents intro**, [RPT] **Dynamic tags**, [RPT] **dyndoc**, [RPT] **dyntext**, [RPT] **markdown**, [RPT] **Glossary**, [TABLES] **collect export**, [U] **21.2** The dynamic document commands
- markdown** command, [RPT] **markdown**
- marker** labels, [G-3] *marker_label_options*, [G-4] *markerlabelstyle*
- markerlabelstyle*, [G-4] *markerlabelstyle*, [G-4] **Glossary**
- markers**, [G-3] *marker_options*, [G-4] **Glossary**, also see **marker** labels
- color, [G-4] *colorstyle*
- resizing, [G-3] *scale_option*
- shape of, [G-4] *symbolstyle*
- size of, [G-4] *markersizestyle*
- markersizestyle*, [G-4] **Glossary**
- markersizestyle*, [G-4] *markersizestyle*
- markerstyle*, [G-4] **Glossary**
- markerstyle*, [G-4] *markerstyle*
- markin** command, [P] **mark**
- marking** observations, [P] **mark**
- markout** command, [P] **mark**
- Markov chain, [BAYES] **Glossary**, [TS] **mswitch**
- Markov chain Monte Carlo, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesmh evaluators**, [BAYES] **Glossary**, [MI] **mi impute**, [MI] **mi impute mvn**, [MI] **Glossary**
- convergence of, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayesstats ess**, [BAYES] **bayesstats grubin**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute mvn**
- mixing of, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayesstats ess**, [BAYES] **bayesstats grubin**, [BAYES] **Glossary**
- parameter trace files, [MI] **mi ptrace**
- replicates, [BAYES] **bayespredict**, [BAYES] **Glossary**
- Markov chain Monte Carlo, *continued*
- sample size, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **Glossary**
- sampling, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesmh evaluators**, [BAYES] **Bayesian postestimation**, [BAYES] **bayesgraph**, [BAYES] **bayesstats summary**, [BAYES] **Glossary**
- standard error, see **Monte Carlo standard error**
- Markov-switching model, [TS] **mswitch**
- marksample** command, [P] **mark**
- Marquardt algorithm, [M-5] **moptimize()**, [M-5] **optimize()**
- martingale** residual, [ST] **stcox postestimation**, [ST] **stintcox postestimation**, [ST] **stintreg postestimation**, [ST] **streg postestimation**
- mass**, [MV] **Glossary**
- Mata, see **matrices** (via Mata matrix language)
- mata**
- clear command, [M-3] **mata clear**
- describe command, [M-3] **mata describe**
- drop command, [M-3] **mata drop**
- help command, [M-3] **mata help**
- invocation command, [M-3] **mata**
- matdescribe** command, [M-3] **mata matsave**
- matsave** command, [M-3] **mata matsave**
- matuse** command, [M-3] **mata matsave**
- memory** command, [M-3] **mata memory**
- mllib** add command, [M-3] **mata mllib**
- mllib** create command, [M-3] **mata mllib**
- mllib** index command, [M-3] **mata mllib**
- mllib** query command, [M-3] **mata mllib**
- mosave** command, [M-3] **mata mosave**
- query command, [M-3] **mata set**, [R] **set**
- rename command, [M-3] **mata rename**
- set** **matacache** command, [M-3] **mata set**, [R] **set**
- set** **matafavor** command, [M-3] **mata set**, [M-5] **favorspeed()**, [R] **set**
- set** **matalibs** command, [M-3] **mata set**, [R] **set**
- set** **matalnum** command, [M-3] **mata set**, [R] **set**
- set** **matamofirst** command, [M-3] **mata set**, [R] **set**
- set** **mataoptimize** command, [M-3] **mata set**, [R] **set**
- set** **matasolvetol** command, [M-3] **mata set**, [R] **set**
- set** **matastrict** command, [M-1] **Ado**, [M-2] **Declarations**, [M-3] **mata set**, [R] **set**
- stata** command, [M-3] **mata stata**
- which** command, [M-3] **mata which**
- mata**, clear subcommand, [D] **clear**
- mata**, query subcommand, [R] **query**
- .mata** source code file, [M-1] **Source**, [M-3] **lmbuild**, [M-3] **mata mllib**, [M-6] **Glossary**, [U] **11.6** **Filenaming conventions**
- Mata views onto frames, [D] **frames intro**

matafromsp, **spmatrix** subcommand, [SP] **spmatrix matafromsp**

matched

2x2 tables, [PSS-2] **power mcc**

case-control data, [R] **clogit**, [R] **Epitab**,
[R] **symmetry**, [ST] **sttoce**

case-control study, [PSS-2] **power**, [PSS-2] **power mcc**

study, [PSS-2] **power**, [PSS-2] **power mcc**,
[PSS-5] **Glossary**

matched-pairs test, [R] **signrank**, [R] **ttest**, [R] **ztest**
matching

1:M, [PSS-2] **power**

coefficient, [MV] **Glossary**

coefficient similarity measure,
[MV] **measure_option**

configuration, [MV] **Glossary**

estimator, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects nnmatch**, [TE] **teffects psmatch**, [TE] **Glossary**

matcproc command, [P] **makecns**

matdescribe, **meta** subcommand, [M-3] **meta matsave**

_matexpsym() function, [M-5] **matexpsym()**

matexpsym() function, [M-5] **matexpsym()**

mathematical functions, [FN] **Mathematical functions**, [M-4] **Mathematical**, [M-4] **Scalar**, [M-4] **Solvers**, [M-4] **Standard**, [P] **matrix define**, [U] **13.3 Functions**

matlist command, [P] **matlist**

_matlogsym() function, [M-5] **matexpsym()**

matlogsym() function, [M-5] **matexpsym()**

matmissing() function, [FN] **Matrix functions**, [P] **matrix define**

matname command, [P] **matrix mkmat**

_matpowersym() function, [M-5] **matpowersym()**

matpowersym() function, [M-5] **matpowersym()**

mat_put_rr command, [P] **matrix get**

matrices (via Mata matrix language), [M-4] **Intro**, [M-6] **Glossary**, *also see* matrices (via Stata commands)

error messages, [M-5] **error()**, *also see* **traceback log**

for Mata information, [M-1] **Intro**, [M-3] **Intro functions**

alphabetical list, [M-5] **Intro**

I/O, [M-4] **IO**

manipulation, [M-4] **Manipulation**

mathematical, [M-4] **Mathematical**

matrix, [M-4] **Matrix**

programming, [M-4] **Programming**

scalar, [M-4] **Scalar**

solvers, [M-4] **Solvers**

standard, [M-4] **Standard**

stata, [M-4] **Stata**

statistical, [M-4] **Statistical**

string, [M-4] **String**

utility, [M-4] **Utility**

matrices (via Mata matrix language), *continued*

language definition, [M-2] **Intro**

classes, [M-2] **class**

pointers, [M-2] **pointers**

structures, [M-2] **struct**

syntax, [M-2] **Syntax**

norm, [M-5] **norm()**

variables, moving between Mata and Stata,

[D] **putmata**

spatial autoregression, [SP] **spmatrix matafromsp**, [SP] **spmatrix spfrommata**

matrices (via Stata commands), [P] **matrix**, [U] **14 Matrix expressions**, *also see* matrices (via Mata matrix language)

accessing internal, [P] **matrix get**

accumulating, [P] **matrix accum**

appending rows and columns, [P] **matrix define**

Cholesky decomposition, [P] **matrix define**

coefficient matrices, [P] **ereturn**

constrained estimation, [P] **makecns**

copying, [P] **matrix define**, [P] **matrix get**, [P] **matrix mkmat**

correlation, [MV] **pca**, [P] **matrix define**

covariance, [MV] **pca**

covariance matrix of estimators, [P] **ereturn**, [P] **matrix get**

cross-product, [P] **matrix accum**

determinant, [P] **matrix define**

diagonals, [P] **matrix define**

displaying, [P] **matlist**, [P] **matrix utility**

dissimilarity, [MV] **matrix dissimilarity**,

[MV] **Glossary**, [P] **matrix dissimilarity**

distances, [MV] **matrix dissimilarity**, [P] **matrix dissimilarity**

dropping, [P] **matrix utility**

eigenvalues, [P] **matrix eigenvalues**, [P] **matrix syymeigen**

eigenvectors, [P] **matrix syymeigen**

elements, [P] **matrix define**

estimation results, [P] **ereturn**, [P] **_estimates**

functions, [FN] **Matrix functions**, [P] **matrix define**

identity, [P] **matrix define**

input, [P] **matrix define**, [U] **14.4 Inputting matrices by hand**

inversion, [P] **matrix define**, [P] **matrix svd**

Kronecker product, [P] **matrix define**

linear combinations with data, [P] **matrix score**

listing, [P] **matlist**, [P] **matrix utility**

namespace and conflicts, [P] **matrix**, [P] **matrix define**

number of rows and columns, [P] **matrix define** operators such as addition, [P] **matrix define**,

[U] **14.7 Matrix operators**

orthonormal basis, [P] **matrix svd**

partitioned, [P] **matrix define**

performing constrained estimation, [P] **makecns** posting estimation results, [P] **ereturn**,

[P] **_estimates**

matrices (via Stata matrix language), *continued*
 renaming, [P] [matrix utility](#)
 row and column names, [P] [ereturn](#), [P] [matrix define](#), [P] [matrix mkmat](#), [P] [matrix rownames](#), [U] [14.2 Row and column names](#)
 rows and columns, [P] [matrix define](#)
 saving matrix, [P] [matrix mkmat](#)
 scoring, [P] [matrix score](#)
 similarity, [MV] [matrix dissimilarity](#), [P] [matrix dissimilarity](#)
 store variables as matrix, [P] [matrix mkmat](#)
 submatrix extraction, [P] [matrix define](#)
 submatrix substitution, [P] [matrix define](#)
 subscripting, [P] [matrix define](#), [U] [14.9 Subscripting](#)
 sweep operator, [P] [matrix define](#)
 temporary names, [P] [matrix](#)
 trace, [P] [matrix define](#)
 transposing, [P] [matrix define](#)
 variables, make into matrix, [P] [matrix mkmat](#)
 zero, [P] [matrix define](#)

matrix

[accum](#) command, [P] [matrix accum](#)
[coleq](#) command, [P] [matrix rownames](#)
[coljoinbyname](#) command, [P] [matrix rowjoinbyname](#)
[colnames](#) command, [P] [matrix rownames](#)
 commands, introduction, [P] [matrix](#)
[define](#) command, [P] [matrix define](#)
[dir](#) command, [P] [matrix utility](#)
[dissimilarity](#) command, [MV] [matrix dissimilarity](#), [P] [matrix dissimilarity](#)
[drop](#) command, [P] [matrix utility](#)
[eigenvalues](#) command, [P] [matrix eigenvalues](#)
[glaccum](#) command, [P] [matrix accum](#)
[input](#) command, [P] [matrix define](#)
[list](#) command, [P] [matrix utility](#)
[opaccum](#) command, [P] [matrix accum](#)
[rename](#) command, [P] [matrix utility](#)
[roweq](#) command, [P] [matrix rownames](#)
[rowjoinbyname](#) command, [P] [matrix rowjoinbyname](#)
[rownames](#) command, [P] [matrix rownames](#)
[score](#) command, [P] [matrix score](#)
[svd](#) command, [P] [matrix svd](#)
[symeigen](#) command, [P] [matrix symeigen](#)
[vecaccum](#) command, [P] [matrix accum](#)

[matrix](#), [M-2] [Declarations](#)

matrix,

[bayesgraph](#) subcommand, [BAYES] [bayesgraph](#)
[clear](#) subcommand, [D] [clear](#)
[confirm](#) subcommand, [P] [confirm](#)
[ereturn](#) subcommand, [P] [ereturn](#), [P] [return](#)
[graph](#) subcommand, [G-2] [graph matrix](#)
[return](#) subcommand, [P] [return](#)

matrix graphs, [G-2] [graph matrix](#)

matrix model parameter, [BAYES] [Glossary](#), *also see* [Bayesian](#), [model parameters](#)
 matrix programming language, *see* [matrices](#) (via Mata matrix language)
[matrix\(\)](#) function, [FN] [Programming functions](#), [P] [matrix define](#)
[matsave](#), [mata](#) subcommand, [M-3] [mata matsave](#)
[matuniform\(\)](#) function, [FN] [Matrix functions](#), [P] [matrix define](#)
[matuse](#), [mata](#) subcommand, [M-3] [mata matsave](#)
[max\(\)](#), [egen](#) function, [D] [egen](#)
[max\(\)](#) function, [FN] [Mathematical functions](#), [M-5] [minmax\(\)](#)
[maxbezierpath](#), [set](#) subcommand, [R] [set](#)
[maxbyte\(\)](#) function, [FN] [Programming functions](#)
[maxdb](#), [set](#) subcommand, [R] [db](#), [R] [set](#)
[maxdouble\(\)](#) function, [FN] [Programming functions](#), [M-5] [mindouble\(\)](#)
[maxes\(\)](#) option, [G-2] [graph matrix](#)
[maxfloat\(\)](#) function, [FN] [Programming functions](#)
 maximization, [M-5] [LinearProgram\(\)](#), [M-5] [moptimize\(\)](#), [M-5] [optimize\(\)](#)
 maximization technique explained, [R] [Maximize](#), [R] [ml](#)
[maximize](#), [ml](#) subcommand, [R] [ml](#)
 maximum
 creating dataset of, [D] [collapse](#)
 function, [D] [egen](#), [FN] [Mathematical functions](#), [FN] [Programming functions](#), [M-5] [mindouble\(\)](#), [M-5] [minindex\(\)](#), [M-5] [minmax\(\)](#)
 length of string, [M-1] [Limits](#)
 likelihood, *see* [maximum likelihood](#)
 likelihood estimation, *see* [maximum likelihood](#)
 limits, [R] [Limits](#)
 number of observations, [D] [memory](#), [U] [6 Managing memory](#)
 number of variables, [D] [describe](#), [D] [memory](#), [U] [6 Managing memory](#)
 pseudolikelihood estimation, [SVY] [ml](#) for [svy](#), [SVY] [Variance estimation](#)
 restricted likelihood, [ME] [menl](#), [ME] [mixed](#)
 size of dataset, [U] [6 Managing memory](#)
 size of matrix, [M-1] [Limits](#)
 value dissimilarity measure, [MV] [measure_option](#)
 value to be stored, [FN] [Programming functions](#), [M-5] [mindouble\(\)](#)
 values, reporting, [CM] [csummarize](#), [R] [lv](#), [R] [summarize](#), [R] [table](#)
 maximum likelihood, [SEM] [Intro 4](#), [SEM] [Methods and formulas for gsem](#), [SEM] [Methods and formulas for sem](#), [SEM] [Glossary](#)
 estimation, [R] [Maximize](#), [R] [ml](#), [R] [mlexp](#)
 nonparametric, [ST] [stintcox](#), [ST] [Glossary](#)
 factor method, [MV] [factor](#), [MV] [Glossary](#)
 restricted, [ME] [menl](#), [ME] [mixed](#)
 with missing values, [SEM] [Example 26](#), [SEM] [Glossary](#)

- maxindex() function, [M-5] **minindex()**
 maxint() function, [FN] **Programming functions**
 maxiter, set subcommand, [R] **set**, [R] **set iter**
 maxlong() function, [FN] **Programming functions**
 max_memory, set subcommand, [D] **memory**, [R] **set**
 max_preservemem, set subcommand, [P] **preserve**, [R] **set**
 maxvar, set subcommand, [D] **memory**, [R] **set**
 mband, graph twoway subcommand, [G-2] **graph twoway mband**
 MCA, see **multiple correspondence analysis**
 mca command, [MV] **mca**, [MV] **mca postestimation**, [MV] **mca postestimation plots**
 MCAGH, see **quadrature, mode-curvature adaptive Gauss-Hermite**
 MCAGHQ, see **mode-curvature adaptive Gauss-Hermite quadrature**
 mcaplot command, [MV] **mca postestimation plots**
 mcaprojection command, [MV] **mca postestimation plots**
 MCAR, see **missing completely at random**
 mcc command, [R] **Epitab**
 mcc, power subcommand, [PSS-2] **power mcc**
 mcci command, [R] **Epitab**
 MCE, see **Monte Carlo error**
 McFadden's choice model, [CM] **cmclogit**
 MCMC, see **Markov chain Monte Carlo**
 McNemar's test, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**, [R] **clogit**, [R] **Epitab**
 mcolor() option, [G-3] **marker_options**
 MCSE, see **Monte Carlo standard error**
 MDES, see **minimum detectable effect size**
 mdev(), egen function, [D] **egen**
 MDS, see **multidimensional scaling**
 mds command, [MV] **mds**, [MV] **mds postestimation**, [MV] **mds postestimation plots**
 mdsconfig command, [MV] **mds**, [MV] **mds postestimation plots**
 mdslong command, [MV] **mds postestimation**, [MV] **mds postestimation plots**, [MV] **mdslong**
 mdsmat command, [MV] **mds postestimation plots**, [MV] **mdsmat**
 mdsshepard command, [MV] **mds postestimation plots**
 mdy() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
 mdyhms() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
 mean command, [R] **mean**, [R] **mean postestimation**
 mean contrasts, see **contrasts**
 mean(), egen function, [D] **egen**
 mean() function, [M-5] **mean()**
 mean-variance adaptive Gauss-Hermite quadrature, see **quadrature, mean-variance adaptive Gauss-Hermite**
 means, [PSS-2] **power**, [PSS-3] **ciwidth**
 across variables, not observations, [D] **egen**
 arithmetic, geometric, and harmonic, [R] **ameans**
 means, *continued*
 confidence interval and standard error, [R] **ci**
 control-group, [PSS-2] **power twomeans**, [PSS-4] **Unbalanced designs**
 correlated, see **means**, **paired**
 creating
 dataset of, [D] **collapse**
 variable containing, [D] **egen**
 displaying, [CM] **cmsummarize**, [R] **ameans**, [R] **summarize**, [R] **table summary**, [R] **table**, [R] **tabstat**, [R] **tabulate**, **summarize()**, [XT] **xtsum**
 estimating, [R] **mean**, [U] **27.2 Means, proportions, and related statistics**
 experimental-group, [PSS-2] **power twomeans**, [PSS-4] **Unbalanced designs**
 graphing, [R] **grmeanby**
 independent, see **means**, **two-sample**
 marginal, [CM] **margins**, [R] **margins**
 multiple-sample, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**
 one-sample, [PSS-2] **power onemean**, [PSS-3] **ciwidth onemean**, [PSS-4] **Unbalanced designs**
 cluster randomized design, [PSS-2] **power onemean, cluster**
 paired, [PSS-2] **power pairedmeans**, [PSS-3] **ciwidth pairedmeans**
 pairwise comparisons of, [R] **pwmean**
 pharmacokinetic data, [R] **pksumm**
 robust, [R] **rreg**
 survey data, [SVY] **svy estimation**
 testing equality of, see **equality test of means**
 two-sample, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-4] **Unbalanced designs**
 cluster randomized design, [PSS-2] **power twomeans, cluster**
 means,
 ci subcommand, [R] **ci**
 cii subcommand, [R] **ci**
 mvtest subcommand, [MV] **mvtest means**
 meanvariance() function, [M-5] **mean()**
 measure, [MV] **Glossary**
 measured with error, [ERM] **Glossary**
 measurement
 component, [SEM] **Glossary**
 error, [ERM] **Intro 3**, [ERM] **Glossary**, [MV] **alpha**, [R] **vcls**, [SEM] **Intro 5**, [SEM] **Example 1**, [SEM] **Example 27g**
 model, [SEM] **Intro 5**, [SEM] **Example 1**, [SEM] **Example 3**, [SEM] **Example 20**, [SEM] **Example 27g**, [SEM] **Example 30g**, [SEM] **Example 31g**, [SEM] **Glossary**
 variables, [SEM] **Glossary**, also see **indicator variables**
 measures, cluster subcommand, [MV] **cluster programming utilities**

measures of

- association, [R] **tabulate twoway**
- central tendency, see measures of location
- dispersion, see percentiles, displaying, see standard deviations, displaying, see variance, displaying, see interquartile range, see range of data
- inequality, [R] **Inequality**
- location, [R] **lv**, [R] **summarize**, [R] **table summary**, [R] **table**, [R] **tabstat**, [R] **tabulate**, **summarize()**, [XT] **xtsum**, also see means, also see medians

- spread, see measures of dispersion

meclglog command, [ME] **meclglog**,
[ME] **meclglog postestimation**

median command, [R] **ranksum**

median(), **egen** function, [D] **egen**

median regression, [R] **qreg**

median test, [R] **ranksum**

medianlinkage,

- clustermat** subcommand, [MV] **cluster linkage**

- cluster** subcommand, [MV] **cluster linkage**

median-linkage clustering, [MV] **cluster**,

- [MV] **clustermat**, [MV] **cluster linkage**,

- [MV] **Glossary**

medians,

- creating

- dataset of, [D] **collapse**

- variable containing, [D] **egen**

- displaying, [CM] **cmsummarize**, [D] **ptile**,

- [R] **centile**, [R] **lv**, [R] **summarize**, [R] **table summary**, [R] **table**, [R] **tabstat**

- graphing, [R] **grmeanby**

- testing equality of, see equality test of medians

mediation model, [SEM] **Intro 5**, [SEM] **Example 42g**

MEFF, see misspecification effects

MEFT, see misspecification effects

meglm command, [ME] **meglm**, [ME] **meglm postestimation**

meintreg command, [ME] **meintreg**, [ME] **meintreg postestimation**

melogit command, [ME] **melogit**, [ME] **melogit postestimation**

member

- function, [M-2] **class**

- program, [P] **class**

- variable, [M-2] **class**, [P] **class**

memory

- graphs, describing contents, [G-2] **graph describe**

- requirements, estimating for flongsep, [MI] **mi convert**

- settings, [P] **creturn**

- utilization, [M-1] **Limits**, [M-3] **mata memory**

memory,

- mata** subcommand, [M-3] **mata memory**

- query** subcommand, [D] **memory**, [R] **query**

memory,

- clearing, [D] **clear**

- determining and resetting limits, [D] **describe**,

- [D] **memory**

- managing, [U] **6 Managing memory**

- reducing utilization, [D] **compress**, [D] **encode**, [D] **recast**, [P] **discard**

memory command, [D] **memory**, [U] **6 Managing memory**

menbreg command, [ME] **menbreg**, [ME] **menbreg postestimation**

menl command, [ME] **menl**, [ME] **menl postestimation**

menu, **window** subcommand, [P] **window programming**, [P] **window menu**

menus, programming, [P] **Dialog programming**,

- [P] **window programming**, [P] **window fopen**,

- [P] **window manage**, [P] **window menu**,

- [P] **window push**, [P] **window stopbox**

meologit command, [ME] **meologit**, [ME] **meologit postestimation**

meoprobit command, [ME] **meoprobit**,
[ME] **meoprobit postestimation**

mepoisson command, [ME] **mepoisson**,
[ME] **mepoisson postestimation**

meprobit command, [ME] **meprobit**, [ME] **meprobit postestimation**

merge command, [D] **merge**, [U] **23 Combining datasets**

merge data, see combine data

merge, **mi** subcommand, [MI] **mi merge**

_merge variable, [D] **merge**

merged-explicit options, [G-4] **Concept: repeated options**, [G-4] **Glossary**

merged-implicit options, [G-4] **Concept: repeated options**, [G-4] **Glossary**

Mersenne Twister, see random-number generator

messages and return codes, see error messages and return codes

mestreg command, [ME] **mestreg**, [ME] **mestreg postestimation**

meta

- bias** command, [META] **meta bias**

- clear** command, [META] **meta update**

- command, [META] **meta**, [META] **meta data**

- esize** command, [META] **meta esize**

- forestplot** command, [META] **meta forestplot**

- funnelplot** command, [META] **meta funnelplot**

- galbraithplot** command, [META] **meta galbraithplot**

- labbeplot** command, [META] **meta labbeplot**

- mvregress** command, [META] **meta mvregress**

- query** command, [META] **meta update**

- regress** command, [META] **meta regress**,
[META] **meta regress postestimation**,

- [META] **meta mvregress postestimation**

- set** command, [META] **meta set**

- summarize** command, [META] **meta summarize**

meta, continued

trimfill command, [META] [meta trimfill](#)
 update command, [META] [meta update](#)
 meta data, [META] [meta data](#), [META] [meta set](#),
 [META] [meta update](#), [META] [Glossary](#)
 meta settings, [META] [meta](#), [META] [meta data](#),
 [META] [meta set](#), [META] [meta update](#),
 [META] [Glossary](#)
 meta-analysis, [BAYES] [bayesmh](#), [META] [Intro](#),
 [META] [meta](#), [META] [meta data](#),
 [META] [meta esize](#), [META] [meta set](#),
 [META] [meta update](#), [META] [meta forestplot](#),
 [META] [meta summarize](#), [META] [meta](#)
 [galbraithplot](#), [META] [meta labbeplot](#),
 [META] [meta regress](#), [META] [meta regress](#)
 [postestimation](#), [META] [estat bubbleplot](#),
 [META] [meta funnelplot](#), [META] [meta bias](#),
 [META] [meta trimfill](#), [META] [meta mvregress](#),
 [META] [Glossary](#), [U] [27.18 Meta-analysis](#)
 common-effect, [META] [meta esize](#), [META] [meta](#)
 [set](#), [META] [meta update](#), [META] [meta](#)
 [forestplot](#), [META] [meta summarize](#),
 [META] [meta galbraithplot](#), [META] [meta](#)
 [labbeplot](#), [META] [meta funnelplot](#),
 [META] [meta bias](#), [META] [meta trimfill](#)
 inverse-variance method, [META] [meta esize](#),
 [META] [meta update](#), [META] [meta](#)
 [forestplot](#), [META] [meta summarize](#),
 [META] [meta galbraithplot](#), [META] [meta](#)
 [labbeplot](#), [META] [meta funnelplot](#)
 Mantel–Haenszel method, [META] [meta esize](#),
 [META] [meta update](#), [META] [meta](#)
 [forestplot](#), [META] [meta summarize](#),
 [META] [meta galbraithplot](#), [META] [meta](#)
 [labbeplot](#), [META] [meta funnelplot](#)
 cumulative, see [cumulative meta-analysis](#)
 effect-size
 binary outcomes, log odds-ratio, [META] [meta](#)
 [esize](#), [META] [meta update](#)
 binary outcomes, log risk-ratio, [META] [meta](#)
 [esize](#), [META] [meta update](#)
 binary outcomes, Peto’s log odds-ratio,
 [META] [meta esize](#), [META] [meta update](#)
 binary outcomes, risk difference, [META] [meta](#)
 [esize](#), [META] [meta update](#)
 continuous outcomes, Cohen’s *d*, [META] [meta](#)
 [esize](#), [META] [meta update](#)
 continuous outcomes, Glass’s Δ , [META] [meta](#)
 [esize](#), [META] [meta update](#)
 continuous outcomes, Hedges’s *g*, [META] [meta](#)
 [esize](#), [META] [meta update](#)
 continuous outcomes, mean difference,
 [META] [meta esize](#), [META] [meta update](#)
 fixed-effects, [META] [meta esize](#), [META] [meta set](#),
 [META] [meta update](#), [META] [meta forestplot](#),
 [META] [meta summarize](#), [META] [meta](#)
 [galbraithplot](#), [META] [meta labbeplot](#),
 [META] [meta regress](#), [META] [meta funnelplot](#),
 [META] [meta bias](#), [META] [meta trimfill](#),
 [META] [meta mvregress](#)

meta-analysis fixed-effects, continued

inverse-variance method, [META] [meta esize](#),
 [META] [meta update](#), [META] [meta](#)
 [forestplot](#), [META] [meta summarize](#),
 [META] [meta galbraithplot](#), [META] [meta](#)
 [labbeplot](#), [META] [meta funnelplot](#)
 Mantel–Haenszel method, [META] [meta esize](#),
 [META] [meta update](#), [META] [meta](#)
 [forestplot](#), [META] [meta summarize](#),
 [META] [meta galbraithplot](#), [META] [meta](#)
 [labbeplot](#), [META] [meta funnelplot](#)
 random-effects, [META] [meta esize](#), [META] [meta](#)
 [set](#), [META] [meta update](#), [META] [meta](#)
 [forestplot](#), [META] [meta summarize](#),
 [META] [meta galbraithplot](#), [META] [meta](#)
 [labbeplot](#), [META] [meta regress](#), [META] [meta](#)
 [funnelplot](#), [META] [meta bias](#), [META] [meta](#)
 [trimfill](#), [META] [meta mvregress](#)
 DerSimonian–Laird method, [META] [meta esize](#),
 [META] [meta set](#), [META] [meta update](#),
 [META] [meta forestplot](#), [META] [meta](#)
 [summarize](#), [META] [meta galbraithplot](#),
 [META] [meta labbeplot](#), [META] [meta](#)
 [regress](#), [META] [meta funnelplot](#),
 [META] [meta bias](#), [META] [meta trimfill](#)
 empirical Bayes method, [META] [meta esize](#),
 [META] [meta set](#), [META] [meta update](#),
 [META] [meta forestplot](#), [META] [meta](#)
 [summarize](#), [META] [meta galbraithplot](#),
 [META] [meta labbeplot](#), [META] [meta](#)
 [regress](#), [META] [meta funnelplot](#),
 [META] [meta bias](#), [META] [meta trimfill](#)
 Hedges method, [META] [meta esize](#),
 [META] [meta set](#), [META] [meta update](#),
 [META] [meta forestplot](#), [META] [meta](#)
 [summarize](#), [META] [meta galbraithplot](#),
 [META] [meta labbeplot](#), [META] [meta](#)
 [regress](#), [META] [meta funnelplot](#),
 [META] [meta bias](#), [META] [meta trimfill](#)
 Hunter–Schmidt method, [META] [meta esize](#),
 [META] [meta set](#), [META] [meta update](#),
 [META] [meta forestplot](#), [META] [meta](#)
 [summarize](#), [META] [meta galbraithplot](#),
 [META] [meta labbeplot](#), [META] [meta](#)
 [regress](#), [META] [meta funnelplot](#),
 [META] [meta bias](#), [META] [meta trimfill](#)
 Jackson–White–Riley method, [META] [meta](#)
 [mvregress](#)
 maximum likelihood method, [META] [meta](#)
 [esize](#), [META] [meta set](#), [META] [meta](#)
 [update](#), [META] [meta forestplot](#),
 [META] [meta summarize](#), [META] [meta](#)
 [galbraithplot](#), [META] [meta labbeplot](#),
 [META] [meta regress](#), [META] [meta](#)
 [funnelplot](#), [META] [meta bias](#), [META] [meta](#)
 [trimfill](#), [META] [meta mvregress](#)

meta-analysis random-effects, *continued*

restricted maximum likelihood method,
[META] **meta esize**, [META] **meta set**,
[META] **meta update**, [META] **meta**
forestplot, [META] **meta summarize**,
[META] **meta galbraithplot**, [META] **meta**
labbeplot, [META] **meta regress**,
[META] **meta funnelplot**, [META] **meta**
bias, [META] **meta trimfill**, [META] **meta**
mvregress

Sidik–Jonkman method, [META] **meta esize**,
[META] **meta set**, [META] **meta update**,
[META] **meta forestplot**, [META] **meta**
summarize, [META] **meta galbraithplot**,
[META] **meta labbeplot**, [META] **meta**
regress, [META] **meta funnelplot**,
[META] **meta bias**, [META] **meta trimfill**

meta-regression, [META] **Intro**, [META] **meta**,
[META] **meta regress**, [META] **meta regress**
postestimation, [META] **meta mvregress**,
[META] **Glossary**

method, [M-2] **class**, [SEM] **Glossary**

methodological heterogeneity, [META] **Intro**,
[META] **Glossary**

metobit command, [ME] **metobit**, [ME] **metobit**
postestimation

metric scaling, [MV] **Glossary**, *also see*
multidimensional scaling

Metropolis–Hastings

algorithm, [BAYES] **Intro**, [BAYES] **Bayesian**
commands, [BAYES] **bayes**, [BAYES] **bayesmh**,
[BAYES] **bayesmh evaluators**,
[BAYES] **Glossary**

sampling, [BAYES] **Intro**, [BAYES] **Bayesian**
commands, [BAYES] **bayes**, [BAYES] **bayesmh**,
[BAYES] **bayesmh evaluators**,
[BAYES] **Glossary**

mfcolor() option, [G-3] **marker_options**

mfp prefix command, [R] **mfp**, [R] **mfp postestimation**

MGARCH, *see* multivariate GARCH model

mgarch

ccc command, [TS] **mgarch ccc**, [TS] **mgarch ccc**
postestimation

dcc command, [TS] **mgarch dcc**, [TS] **mgarch dcc**
postestimation

dvech command, [TS] **mgarch dvech**, [TS] **mgarch**
dvech postestimation

vcc command, [TS] **mgarch vcc**, [TS] **mgarch vcc**
postestimation

MH

algorithm, *see* Metropolis–Hastings algorithm

sampling, *see* Metropolis–Hastings sampling

mhodds command, [R] **Epitab**

mi

add command, [MI] **mi add**

append command, [MI] **mi append**

command, [MI] **Intro**, [MI] **Styles**, [MI] **Workflow**

convert command, [MI] **mi convert**

copy command, [MI] **mi copy**, [MI] **Styles**

mi, *continued*

describe command, [MI] **mi describe**

erase command, [MI] **mi erase**, [MI] **Styles**

estimate command, [MI] **mi estimate**,

[MI] **mi estimate using**, [MI] **mi estimate**
postestimation, [MI] **mi test**

estimate postestimation, [MI] **mi estimate**

postestimation, [MI] **mi predict**, [MI] **mi test**

expand command, [MI] **mi expand**

export

ice command, [MI] **mi export**, [MI] **mi export**
ice

nhanes1 command, [MI] **mi export**, [MI] **mi**
export nhanes1

extract command, [MI] **mi extract**, [MI] **mi**
replace0

fvset command, [MI] **mi XXXset**

import

flong command, [MI] **mi import**, [MI] **mi**
import flong

flongsep command, [MI] **mi import**, [MI] **mi**
import flongsep

ice command, [MI] **mi import**, [MI] **mi import**
ice

nhanes1 command, [MI] **mi import**, [MI] **mi**
import nhanes1

wide command, [MI] **mi import**, [MI] **mi**
import wide

impute command, [MI] **mi impute**, [MI] **mi impute**
chained, [MI] **mi impute intreg**, [MI] **mi impute**
logit, [MI] **mi impute mlogit**, [MI] **mi impute**
monotone, [MI] **mi impute mvn**, [MI] **mi**
impute nbreg, [MI] **mi impute ologit**, [MI] **mi**
impute pmm, [MI] **mi impute poisson**, [MI] **mi**
impute regress, [MI] **mi impute truncreg**,
[MI] **mi impute usermethod**

merge command, [MI] **mi merge**

misstable command, [MI] **mi misstable**

passive command, [MI] **mi passive**

predict command, [MI] **mi estimate**
postestimation, [MI] **mi predict**

predictnl command, [MI] **mi estimate**
postestimation, [MI] **mi predict**

ptrace command, [MI] **mi ptrace**

query command, [MI] **mi describe**

register command, [MI] **mi set**

rename command, [MI] **mi rename**

replace0 command, [MI] **mi replace0**

reset command, [MI] **mi reset**

reshape command, [MI] **mi reshape**

select command, [MI] **mi select**, *also see* **mi**
extract command

set command, [MI] **mi set**

st command, [MI] **mi XXXset**

stjoin command, [MI] **mi stsplit**

streset command, [MI] **mi XXXset**

stsplit command, [MI] **mi stsplit**

svyset command, [MI] **mi XXXset**

mi, *continued*

test command, [MI] **mi estimate postestimation**, [MI] **mi test**
 testtransform command, [MI] **mi estimate postestimation**, [MI] **mi test**
 tsset command, [MI] **mi XXXset**
 unregister command, [MI] **mi set**
 unset command, [MI] **mi set**
 update command, [MI] **mi update**, [MI] **noupdate option**
 varying command, [MI] **mi varying**
 xeq command, [MI] **mi xeq**
 xtset command, [MI] **mi XXXset**

mi data, [MI] **Glossary**

mi() function, see **missing()** function

MICE, see **multivariate imputation, chained equations**

Microsoft

Access, importing from, [D] **odbc**

Automation, [P] **Automation**

Excel, [M-5] **xl()**

dates, [D] **Datetime values from other software**

exporting data to, [D] **import excel**

importing data from, [D] **import excel**, [D] **odbc**

writing results to, [R] **etable**, [RPT] **putexcel**,

[RPT] **putexcel advanced**, [U] **21.3 The putdocx, putpdf, and putexcel commands**

Office, [M-5] **_docx*()**, [M-5] **xl()**

Windows, see **Windows**

Word, [M-5] **_docx*()**, [R] **etable**, [RPT] **docx2pdf**,

[RPT] **Dynamic documents intro**,

[RPT] **dyndoc**, [RPT] **html2docx**,

[RPT] **markdown**, [RPT] **putdocx intro**,

[RPT] **putdocx begin**, [RPT] **putdocx**

collect, [RPT] **putdocx pagebreak**,

[RPT] **putdocx paragraph**, [RPT] **putdocx table**,

[TABLES] **collect export**, [U] **21.2 The dynamic**

document commands, [U] **21.3 The putdocx,**

putpdf, and putexcel commands

middle suboption, [G-4] **alignmentstyle**

midsummaries, [R] **lv**

mild outliers, [R] **lv**

miles, [SP] **spdistance**

Mills's ratio, [R] **heckman**, [R] **heckman postestimation**

MIMIC models, see **multiple indicators and multiple causes model**

min(), **egen** function, [D] **egen**

min() function, [FN] **Mathematical functions**, [M-5] **minmax()**

minbyte() function, [FN] **Programming functions**

mindices, estat subcommand, [SEM] **Intro 7**,

[SEM] **estat mindices**, [SEM] **Methods and formulas for sem**

mindouble() function, [FN] **Programming functions**, [M-5] **mindouble()**

minfloat() function, [FN] **Programming functions**

minimization, [M-5] **LinearProgram()**,

[M-5] **moptimize()**, [M-5] **optimize()**

minimum

absolute deviation, [R] **qreg**

creating dataset of, [D] **collapse**

detectable effect size, [PSS-2] **power**, [PSS-5] **Glossary**

detectable value, [PSS-5] **Glossary**

entropy rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**

function, [D] **egen**, [FN] **Mathematical functions**, [FN] **Programming functions**, [M-5] **mindouble()**, [M-5] **minindex()**, [M-5] **minmax()**

squared deviations, [R] **areg**, [R] **cnsreg**, [R] **nl**, [R] **regress**, [R] **regress postestimation**

values, reporting, [CM] **cmsummarize**, [R] **lv**, [R] **summarize**, [R] **table**

minindex() function, [M-5] **minindex()**

minint() function, [FN] **Programming functions**

Minkowski dissimilarity measure,

[MV] **measure_option**

minlong() function, [FN] **Programming functions**

minmax() function, [M-5] **minmax()**

min_memory, set subcommand, [D] **memory**, [R] **set**

Minnesota

factor covariance, [BAYES] **Glossary**

prior, [BAYES] **Glossary**

Minnesota prior, [BAYES] **bayes: var**

minutes() function, [D] **Datetime durations**,

[FN] **Date and time functions**, [M-5] **date()**

misclassification rate, [MV] **Glossary**, also see **discriminant analysis**

missing at random, [ERM] **Glossary**, [MI] **Intro substantive**, [MI] **mi impute**, [MI] **Glossary**

missing completely at random, [ERM] **Glossary**, [MI] **Intro substantive**, [MI] **Glossary**

missing data, [MI] **Intro substantive**, also see **missing values**

arbitrary pattern, [MI] **Intro substantive**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute mvn**, [MI] **Glossary**

monotone pattern, [MI] **Intro substantive**, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute monotone**, [MI] **mi impute mvn**, [MI] **Glossary**

missing() function, [FN] **Programming functions**, [M-5] **missing()**

missing not at random, [ERM] **Intro 4**, [ERM] **Glossary**, [MI] **Intro substantive**, [MI] **Glossary**

missing observations, see **dropout**

missing on observables, [ERM] **Intro 4**

missing values, [M-5] **missing()**, [M-5] **missingof()**, [M-5] **editmissing()**, [M-5] **_fillmissing()**,

[D] **Missing values**, [R] **misstable**,

[SEM] **Example 26**, [SP] **Intro 2**,

[U] **12.2.1 Missing values**, [U] **13 Functions and expressions**

counting, [D] **codebook**, [D] **inspect**

encoding and decoding, [D] **mvencode**

- missing values, *continued*
 - extended, [D] [mvencode](#)
 - hard and soft, [MI] [Glossary](#)
 - ineligible, [MI] [Glossary](#)
 - pattern of, [MI] [mi misstable](#)
 - replacing, [D] [merge](#)
- missingness, [ERM] [Glossary](#)
 - pattern, see [pattern of missingness](#)
- missingof() function, [M-5] [missingof\(\)](#)
- misspecification effects, [SVY] [estat](#), [SVY] [Glossary](#)
- misstable
 - for mi data, [MI] [mi misstable](#)
 - nested command, [R] [misstable](#)
 - patterns command, [R] [misstable](#)
 - summarize command, [R] [misstable](#)
 - tree command, [R] [misstable](#)
- misstable, mi subcommand, [MI] [mi misstable](#)
- mixed
 - design, [MV] [manova](#), [PSS-5] [Glossary](#), [R] [anova](#)
 - model, see [multilevel model](#)
- mixed command, [ME] [mixed](#), [ME] [mixed postestimation](#)
- mixed-effects model, [ME] [Glossary](#), also see [multilevel model](#)
- mixed-treatment studies, see [multiple-treatment studies](#)
- mixing of Markov chain, see [Markov chain Monte Carlo](#), mixing of
- mkdir command, [D] [mkdir](#)
- _mkdir() function, [M-5] [chdir\(\)](#)
- mkdir() function, [M-5] [chdir\(\)](#)
- mkf command, [D] [frame create](#)
- mkmat command, [P] [matrix mkmat](#)
- mkspline command, [R] [mkspline](#)
- ML, see [maximum likelihood](#)
- ml
 - check command, [R] [ml](#)
 - clear command, [R] [ml](#)
 - command, [SVY] [ml for svy](#)
 - count command, [R] [ml](#)
 - display command, [R] [ml](#)
 - footnote command, [R] [ml](#)
 - graph command, [R] [ml](#)
 - init command, [R] [ml](#)
 - maximize command, [R] [ml](#)
 - model command, [R] [ml](#)
 - plot command, [R] [ml](#)
 - query command, [R] [ml](#)
 - report command, [R] [ml](#)
 - score command, [R] [ml](#)
 - search command, [R] [ml](#)
 - trace command, [R] [ml](#)
- mlabangle() option, [G-3] [marker_label_options](#)
- mlabcolor() option, [G-3] [marker_label_options](#)
- mlabel() option, [G-3] [marker_label_options](#)
- mlabformat() option, [G-3] [marker_label_options](#)
- mlabgap() option, [G-3] [marker_label_options](#)
- mlabposition() option, [G-3] [marker_label_options](#)
- mlabsize() option, [G-3] [marker_label_options](#)
- mlabstyle() option, [G-3] [marker_label_options](#)
- mlabtextstyle() option, [G-3] [marker_label_options](#)
- mlabvposition() option, [G-3] [marker_label_options](#)
- mlalign() option, [G-3] [marker_options](#)
- mlcolor() option, [G-3] [marker_options](#)
- MLE, see [maximum likelihood estimation](#)
- mlevel command, [R] [ml](#)
- mlexp command, [R] [mlexp](#), [R] [mlexp postestimation](#)
- mlib
 - add, mata subcommand, [M-3] [mata mlib](#)
 - create, mata subcommand, [M-3] [mata mlib](#)
 - index, mata subcommand, [M-3] [mata mlib](#)
 - query, mata subcommand, [M-3] [mata mlib](#)
- .mlib library file, [M-1] [How](#), [M-3] [lmbuild](#), [M-3] [mata describe](#), [M-3] [mata mlib](#), [M-3] [mata set](#), [M-3] [mata which](#), [M-6] [Glossary](#), [U] [11.6 Filenaming conventions](#)
- mlmatbysum command, [R] [ml](#)
- mlmatsum command, [R] [ml](#)
- MLMV, see [maximum likelihood with missing values](#)
- mlogit command, [R] [mlogit](#), [R] [mlogit postestimation](#)
- mlong MI data style, [MI] [Styles](#), [MI] [Glossary](#)
 - technical description, [MI] [Technical](#)
- mlpattern() option, [G-3] [marker_options](#)
- mlstyle() option, [G-3] [marker_options](#)
- mlsum command, [R] [ml](#)
- mlvecsum command, [R] [ml](#)
- mlwidth() option, [G-3] [marker_options](#)
- mm() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- .mmat matrix file, [M-3] [mata matsave](#), [U] [11.6 Filenaming conventions](#)
- mmC() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- MNAR, see [missing not at random](#)
- MNP, see [outcomes](#), multinomial
- .mo object code file, [M-1] [How](#), [M-3] [mata mosave](#), [M-3] [mata which](#), [M-6] [Glossary](#), [U] [11.6 Filenaming conventions](#)
- mod() function, [FN] [Mathematical functions](#), [M-5] [mod\(\)](#)
- mode(), egen function, [D] [egen](#)
- mode-curvature adaptive Gauss–Hermite quadrature, see [quadrature](#), mode-curvature adaptive Gauss–Hermite
- model
 - coefficients test, [R] [lrtest](#), [R] [test](#), [R] [testnl](#), [SVY] [svy postestimation](#)
 - comparison, Bayesian, see [Bayesian](#), model comparison
 - hypothesis testing, see [Bayesian](#), hypothesis testing
 - identification, [DSGE] [Intro 6](#), [SEM] [Intro 4](#), [SEM] [Intro 12](#)

model, *continued*

interpretation, [ERM] **Intro 7**

parameter, see Bayesian, model parameters

posterior probability, [BAYES] **Intro**,

[BAYES] **Bayesian commands**,

[BAYES] **bayestest model**, [BAYES] **Glossary**

simplification test, [SEM] **Example 8**,

[SEM] **Example 10**

solution, [DSGE] **Glossary**

specification test, see specification test

model, **bayestest** subcommand, [BAYES] **bayestest model**

model, **ml** subcommand, [R] **ml**

model-consistent expectation, [DSGE] **Glossary**

model-implied covariances and correlations,

[SEM] **Example 11**

modeling

fractions, [FMM] **fm: betareg**, [R] **betareg**

proportions, [FMM] **fm: betareg**, [R] **betareg**

rates, [FMM] **fm: betareg**, [R] **betareg**

moderator, [META] **Intro**, [META] **meta**,

[META] **meta regress**, [META] **estat bubbleplot**,

[META] **meta bias**, [META] **meta mvregress**,

[META] **Glossary**

modern scaling, [MV] **mds**, [MV] **mdslong**,

[MV] **mdsmat**, [MV] **Glossary**

modification, file, [D] **filefilter**

modification indices, [SEM] **estat mindices**,

[SEM] **Example 5**, [SEM] **Methods and**

formulas for sem, [SEM] **Glossary**

modify data, [D] **generate**, also see **edit data**

modify, **vl** subcommand, [D] **vl create**

modulus function, [FN] **Mathematical functions**,

[M-5] **mod()**

modulus transformations, [R] **boxcox**

mofd() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**

moments (of a distribution), [SEM] **Glossary**

monadic operator, [M-2] **Syntax**, [M-6] **Glossary**

monotone imputation, see **imputation**, **monotone**

monotone-missing pattern, [MI] **mi impute monotone**,

[MI] **Glossary**, [R] **misstable**

monotonicity, see **pattern of missingness**

Monte Carlo

error, [MI] **mi estimate**, [MI] **mi estimate using**,

[MI] **Glossary**

simulations, [P] **frame post**, [P] **postfile**,

[R] **permute**, [R] **simulate**

standard error, [BAYES] **Intro**, [BAYES] **Bayesian**

commands, [BAYES] **bayes**, [BAYES] **bayesmh**,

[BAYES] **bayesstats summary**,

[BAYES] **Glossary**

month() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**, [U] **25.5 Extracting components of dates and times**

monthly() function, [D] **Datetime**, [D] **Datetime conversion**, [FN] **Date and time functions**, [M-5] **date()**

Moore–Penrose inverse, [M-5] **pinv()**

_moptimize() function, [M-5] **moptimize()**

optimize() function, [M-5] **moptimize()**

optimize_ado_cleanup() function,

[M-5] **moptimize()**

_moptimize_evaluate() function,

[M-5] **moptimize()**

optimize_evaluate() function, [M-5] **moptimize()**

optimize_init() function, [M-5] **moptimize()**

optimize_init_*() functions, [M-5] **moptimize()**

optimize_query() function, [M-5] **moptimize()**

optimize_result_*() functions,

[M-5] **moptimize()**

optimize_util_*() functions, [M-5] **moptimize()**

moran, **estat** subcommand, [SP] **estat moran**

Moran's test of residual correlation with nearby residuals, [SP] **estat moran**

Mordor fictional location, [SP] **Intro 2**

more command and parameter, [P] **macro**, [P] **more**,

[R] **more**, [U] **7 –more– conditions**,

[U] **16.1.6 Preventing –more– conditions**

more() function, [M-5] **more()**

more, **set** subcommand, [R] **more**, [R] **set**, [U] **7 –more– conditions**

mortality table, see **life tables**

mosave, **meta** subcommand, [M-3] **meta mosave**

move, **vl** subcommand, [D] **vl set**

moving average

model, [TS] **arch**, [TS] **arfima**, [TS] **arma**,

[TS] **sspace**, [TS] **ucm**

process, [TS] **Glossary**

smoother, [TS] **tssmooth**, [TS] **tssmooth ma**

mprobit command, [R] **mprobit**, [R] **mprobit postestimation**

mreldif() function, [FN] **Matrix functions**,

[M-5] **reldif()**, [P] **matrix define**

mreldifre() function, [M-5] **reldif()**

mreldifsym() function, [M-5] **reldif()**

msangle() option, [G-3] **marker_options**

msize() option, [G-3] **marker_options**,

[G-3] **rcap_options**

msofhours() function, [D] **Datetime durations**,

[FN] **Date and time functions**, [M-5] **date()**

msofminutes() function, [D] **Datetime durations**,

[FN] **Date and time functions**, [M-5] **date()**

msofseconds() function, [D] **Datetime durations**,

[FN] **Date and time functions**, [M-5] **date()**

mspline, **graph twoway** subcommand, [G-2] **graph twoway mspline**

mstyle() option, [G-3] **marker_options**

mswitch command, [TS] **mswitch**, [TS] **mswitch postestimation**

msymbol() option, [G-3] **marker_options**

mt64, see **random-number generator**

MTMM, see **multitrait–multimethod data and matrices**

multiarm trial, [ST] **Glossary**

multidimensional scaling, [MV] **mds**, [MV] **mds**

postestimation plots, [MV] **mdslong**,

[MV] **mdsmat**, [MV] **Glossary**

multidimensional scaling, *continued*

configuration plot, [MV] **Glossary**, see configuration plot

multilevel data, [MI] **mi estimate**

multilevel latent variable, [SEM] **Intro 2**, [SEM] **gsem path notation extensions**

multilevel model, [BAYES] **bayes**,

[BAYES] **bayesmh**, [BAYES] **bayes: mecloglog**, [BAYES] **bayes: meglm**, [BAYES] **bayes: meintreg**, [BAYES] **bayes: melogit**, [BAYES] **bayes: menbreg**, [BAYES] **bayes: melogit**, [BAYES] **bayes: meoprobit**, [BAYES] **bayes: mepoisson**, [BAYES] **bayes: meprobit**, [BAYES] **bayes: mestreg**, [BAYES] **bayes: metobit**, [BAYES] **bayes: mixed**, [ME] **me**, [ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**, [ME] **melogit**, [ME] **menbreg**, [ME] **menl**, [ME] **meologit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**, [ME] **mixed**, [R] **gllamm**, [SEM] **Intro 5**, [SEM] **Example 30g**, [SEM] **Example 38g**, [SEM] **Example 39g**, [SEM] **Example 40g**, [SEM] **Example 41g**, [SEM] **Example 42g**, [SEM] **Glossary**, [U] **27.16 Multilevel mixed-effects models**

multinomial

logistic regression, [FMM] **fmm**, [SEM] **Intro 2**, [SEM] **Intro 5**, [SEM] **Example 37g**, [SEM] **Example 41g**, [SEM] **Glossary**, [SVY] **svy estimation**

logistic regression imputation, see imputation, multinomial logistic regression

outcome model, see outcomes, multinomial

probit regression, [SVY] **svy estimation**

multiple comparisons, [R] **contrast**, [R] **margins**, [R] **pwcompare**, [R] **pwmean**, [MV] **mvreg**, [R] **anova postestimation**, [R] **correlate**, [R] **oneway**, [R] **regress postestimation**, [R] **roccomp**, [R] **spearman**, [R] **test**, [R] **testnl**, [R] **tetrachoric**

Bonferroni's method, [R] **contrast**, [R] **margins**, [R] **pwcompare**, [R] **pwmean**, [R] **anova postestimation**, [R] **correlate**, [R] **oneway**, [R] **regress postestimation**, [R] **roccomp**, [R] **spearman**, [R] **test**, [R] **testnl**, [R] **tetrachoric**

Duncan's method, [R] **pwcompare**, [R] **pwmean**

Dunnnett's method, [R] **pwcompare**, [R] **pwmean**

Holm's method, [R] **anova postestimation**,

[R] **regress postestimation**, [R] **test**, [R] **testnl**

multiple-range method, see Dunnnett's method subentry

Scheffé's method, [R] **contrast**, [R] **margins**, [R] **pwcompare**, [R] **pwmean**, [R] **oneway**

multiple comparisons, *continued*

Šidák's method, [R] **contrast**, [R] **margins**, [R] **pwcompare**, [R] **pwmean**, [R] **anova postestimation**, [R] **correlate**, [R] **oneway**, [R] **regress postestimation**, [R] **roccomp**, [R] **spearman**, [R] **test**, [R] **testnl**, [R] **tetrachoric**

Studentized-range method, see Tukey's method subentry

Student–Newman–Keuls's method, [R] **pwcompare**, [R] **pwmean**

Tukey's method, [R] **pwcompare**, [R] **pwmean**

multiple correlation, [SEM] **Glossary**

multiple correspondence analysis, [MV] **mca**, [MV] **mca postestimation**, [MV] **mca postestimation plots**, [MV] **Glossary**

multiple imputation, [MI] **Intro substantive**, [MI] **Intro**, [MI] **Styles**, [MI] **Workflow**, [U] **27.31 Multiple imputation**

analysis step, [MI] **Intro substantive**, [MI] **mi estimate**, [MI] **mi estimate using**, [MI] **mi estimate postestimation**, [MI] **mi test estimation**, [MI] **Estimation**

imputation step, [MI] **Intro substantive**, [MI] **mi impute**, [MI] **mi impute usermethod**

inference, [MI] **Intro substantive**

pooling step, [MI] **Intro substantive**, [MI] **mi estimate**, [MI] **mi estimate using**

prediction, [MI] **mi predict**

theory, [MI] **Intro substantive**

multiple indicators and multiple causes model,

[SEM] **Intro 5**, [SEM] **Example 10**, [SEM] **Example 36g**, [SEM] **Glossary**

multiple languages, [D] **label language**

multiple partial correlation, [PSS-5] **Glossary**

multiple regression, see linear regression

multiple subgroup analyses, [META] **meta forestplot**, [META] **Glossary**

multiple-range multiple-comparison adjustment, see multiple comparisons, Dunnnett's method

multiple-endpoint studies, [META] **meta mvregress**, [META] **Glossary**

multiple-failure st data, [BAYES] **bayes: streg**, [FMM] **fmm: streg**, [ST] **stbase**, [ST] **stci**, [ST] **stcox**, [ST] **stcox postestimation**, [ST] **stcurve**, [ST] **stdescribe**, [ST] **stfill**, [ST] **stgen**, [ST] **stir**, [ST] **stptime**, [ST] **strate**, [ST] **streg**, [ST] **streg postestimation**, [ST] **sts**, [ST] **sts generate**, [ST] **sts graph**, [ST] **sts list**, [ST] **sts test**, [ST] **stset**, [ST] **stsplit**, [ST] **stsum**

multiple-record st data, [BAYES] **bayes: streg**, [FMM] **fmm: streg**, [ST] **stbase**, [ST] **stci**, [ST] **stcox**, [ST] **stcox postestimation**, [ST] **stcrreg**, [ST] **stcrreg postestimation**, [ST] **stcurve**, [ST] **stdescribe**, [ST] **stfill**, [ST] **stgen**, [ST] **stir**, [ST] **stptime**, [ST] **strate**, [ST] **streg**, [ST] **streg postestimation**, [ST] **sts**, [ST] **sts generate**, [ST] **sts graph**, [ST] **sts list**, [ST] **sts test**, [ST] **stset**, [ST] **stsplit**, [ST] **stsum**, [ST] **stvary**, [ST] **Glossary**, [TE] **Glossary**

multiple-sample

- means, see means, multiple-sample
- study, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**
- test, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**
- independent samples, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**
- means, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**

multiple-treatment studies, [META] **meta mvregress**, [META] **Glossary**

multiplication operator, see arithmetic operators

multiplicative dispersion parameter, [META] **Intro**, [META] **meta regress**, [META] **meta bias**, [META] **Glossary**

multiplicative heteroskedastic regression, [R] **hetregress**

multiplicative heteroskedasticity, [TS] **arch**

multiplicative meta-regression, [META] **Intro**, [META] **meta regress**, [META] **meta regress postestimation**, [META] **meta bias**, [META] **Glossary**

multistage clustered sampling, [SVY] **Survey**, [SVY] **svydescribe**, [SVY] **svyset**

multitrait–multimethod data and matrices, [SEM] **Intro 5**, [SEM] **Example 17**

multivalued treatment effect, [ERM] **Glossary**, [TE] **teffects aipw**, [TE] **teffects ipw**, [TE] **teffects ipwra**, [TE] **teffects multivalued**, [TE] **teffects ra**, [TE] **Glossary**

multivariable fractional polynomial regression, [R] **mfp**

multivariate

- analysis of variance, [MV] **manova**, [MV] **Glossary**
- Behrens–Fisher problem, [MV] **mvtest means**
- biplot, see **biplot**

canonical

- correlations, [MV] **canon**

- discriminant analysis, [MV] **candisc**

cluster analysis, see **cluster analysis**

correspondence analysis, see **correspondence analysis**

Cronbach's alpha, [MV] **alpha**

discriminant analysis, see **discriminant analysis**

factor analysis, see **factor analysis**

GARCH model, [TS] **mgarch**, [TS] **Glossary**

- constant conditional correlation, [TS] **mgarch ccc**

- diagonal vech, [TS] **mgarch dvech**

- dynamic conditional correlation, [TS] **mgarch dcc**

- varying conditional correlation, [TS] **mgarch vcc**

heterogeneity statistics, [META] **estat heterogeneity**

imputation, see **imputation**, **multivariate**

imputation using chained equations, see **imputation**, **multivariate**, **chained equations**

kurtosis, [MV] **mvtest normality**

logistic variable imputation, see **imputation**, **multivariate**

meta-analysis, [META] **Glossary**

multivariate, *continued*

meta-regression, [META] **Intro**, [META] **meta**, [META] **meta mvregress**, [META] **meta mvregress postestimation**, [META] **estat heterogeneity**, [META] **estat recovariance**, [META] **estat sd**, [META] **Glossary**

multidimensional scaling, see **multidimensional scaling**

normal, [MV] **mvtest normality**

- distribution, [M-5] **mvnormal()**

- distribution derivative, [M-5] **mvnormal()**

- probability, [M-5] **mvnormal()**

normal imputation, see **imputation**, **multivariate normal**

normal simulator, [M-5] **ghk()**, [M-5] **ghkfast()**

principal component analysis, see **principal component analysis**

regression, [META] **meta mvregress**, [MV] **mvreg**, [MV] **Glossary**, [U] **27.22 Multivariate analysis**

- Bayesian, see **Bayesian regression**, **multivariate**

- bivariate probit, [BAYES] **bayes: biprobit**, [R] **biprobit**

- imputation, see **imputation**, **multivariate**

- structural equation modeling,

- [SEM] **Example 12**, [SEM] **Glossary**

- three-stage least squares, [R] **reg3**

- Zellner's seemingly unrelated, [R] **nlshr**, [R] **sureg**

skewness, [MV] **mvtest normality**

test, [MV] **hotelling**, [MV] **mvtest**

time series,

- dynamic stochastic

- general equilibrium, [BAYES] **bayes: dsge**,

- [BAYES] **bayes: dsge**, [DSGE] **Intro**,

- [DSGE] **dsge**, [DSGE] **dsge**

- dynamic-factor models, [TS] **dfactor**

- MGARCH models, see **multivariate GARCH model**

- state-space models, [TS] **sspace**

- structural vector autoregressive models, [TS] **var svar**

- vector autoregressive models, [TS] **var**,

- [TS] **varbasic**

- vector error-correction models, [TS] **vec**

time-series estimators,

- vector autoregressive models,

- [BAYES] **bayes: var**

MVAGH, see **quadrature**, **mean–variance adaptive Gauss–Hermite**

MVAGHQ, see **quadrature**, **mean–variance adaptive Gauss–Hermite**

mvdecode command, [D] **mvencode**

mvencode command, [D] **mvencode**

MVN imputation, see **imputation**, **multivariate normal**

mvnormal() function, [M-5] **mvnormal()**

mvnormalcv() function, [M-5] **mvnormal()**

mvnormalcvderiv() function, [M-5] **mvnormal()**

mvnormalcvderivqp() function, [M-5] **mvnormal()**

mvnrmalcvqp() function, [M-5] **mvnrmal()**
mvnrmalderiv() function, [M-5] **mvnrmal()**
mvnrmalderivqp() function, [M-5] **mvnrmal()**
mvnrmalqp() function, [M-5] **mvnrmal()**
mvreg command, [MV] **mvreg**, [MV] **mvreg**
 postestimation
mvreg, estat subcommand, [MV] **procrustes**
 postestimation
mvregress, meta subcommand, [META] **meta**
 mvregress, [META] **meta mvregress**
 postestimation
mvtest, [MV] **mvtest**
 correlations command, [MV] **mvtest**
 correlations
 covariances command, [MV] **mvtest covariances**
 means command, [MV] **mvtest means**
 normality command, [MV] **mvtest normality**

N

_n and **_N** built-in variables, [U] **13.4 System variables**
 (**_variables**), [U] **13.7 Explicit subscripting**
name() option, [G-3] **name_option**
 named substitutable expression, [ME] **Glossary**
nameexternal() function, [M-5] **findexternal()**
namelists, [M-3] **namelists**
names
 conflicts, [P] **matrix**, [P] **matrix define**, [P] **scalar**
 matrix row and columns, [P] **ereturn**, [P] **matrix**
 define, [P] **matrix rowjoinbyname**, [P] **matrix**
 rownames
names, confirm subcommand, [P] **confirm**
namespace and conflicts, matrices and scalars,
 [P] **matrix**, [P] **matrix define**
naming
 convention, [M-1] **Naming**, [U] **11.3 Naming**
 conventions
 groups of variables, [D] **rename group**
 variables, [D] **rename**
NaN, [M-6] **Glossary**
NARCH, see **nonlinear autoregressive conditional**
 heteroskedasticity
NARCHK, see **nonlinear autoregressive conditional**
 heteroskedasticity with a shift
narrative review, [META] **Intro**, [META] **Glossary**
natural log function, [FN] **Mathematical functions**,
 [FN] **Statistical functions**, [M-5] **exp()**,
 [M-5] **normal()**
natural splines, [R] **mkspline**
nbetaden() function, [FN] **Statistical functions**,
 [M-5] **normal()**
nbinomial() function, [FN] **Statistical functions**,
 [M-5] **normal()**
nbinomialp() function, [FN] **Statistical functions**,
 [M-5] **normal()**
nbinomialtail() function, [FN] **Statistical functions**,
 [M-5] **normal()**
nbreg command, [R] **nbreg**, [R] **nbreg postestimation**

nchi2() function, [FN] **Statistical functions**,
 [M-5] **normal()**
nchi2den() function, [FN] **Statistical functions**,
 [M-5] **normal()**
nchi2tail() function, [FN] **Statistical functions**,
 [M-5] **normal()**
n-class command, [P] **program**, [P] **return**
ndots() option, [G-2] **graph twoway dot**
nearest neighbor, [MI] **mi impute pmm**, [MV] **discrim**
 knn, [MV] **Glossary**
nearest-neighbor matching, [TE] **teffects intro**,
 [TE] **teffects intro advanced**, [TE] **teffects**
 nnmatch, [TE] **Glossary**
needle plot, [R] **spikeplot**
_negate() function, [M-5] **_negate()**
negation matrix, [M-5] **_negate()**
negation operator, see **arithmetic operators**
negative binomial, [SEM] **Example 39g**
 distribution,
 cumulative, [FN] **Statistical functions**,
 [M-5] **normal()**
 inverse cumulative, [FN] **Statistical functions**,
 [M-5] **normal()**
 inverse reverse cumulative, [FN] **Statistical**
 functions, [M-5] **normal()**
 reverse cumulative, [FN] **Statistical functions**,
 [M-5] **normal()**
probability mass function, [FN] **Statistical functions**,
 [M-5] **normal()**
regression, [R] **nbreg**, [SEM] **Glossary**,
 [XT] **Glossary**
 Bayesian, [BAYES] **bayes: glm**,
 [BAYES] **bayes: gnbreg**,
 [BAYES] **bayes: meglm**,
 [BAYES] **bayes: menbreg**,
 [BAYES] **bayes: nbreg**,
 [BAYES] **bayes: tnbreg**,
 [BAYES] **bayes: xtnbreg**,
 [BAYES] **bayes: zinb**
 finite mixture model, [FMM] **fmm: glm**,
 [FMM] **fmm: nbreg**
 fixed-effects, [XT] **xtnbreg**
 generalized linear model,
 [BAYES] **bayes: meglm**, [FMM] **fmm: glm**,
 [R] **glm**
 multilevel, [BAYES] **bayes: meglm**,
 [BAYES] **bayes: menbreg**, [ME] **meglm**,
 [ME] **menbreg**
 population-averaged, [XT] **xtgee**, [XT] **xtnbreg**
 random-effects, [XT] **xtnbreg**
 survey data, [SVY] **svy estimation**
 truncated, [BAYES] **bayes: tnbreg**, [R] **tnbreg**
 zero-inflated, [BAYES] **bayes: zinb**, [R] **zinb**
negative effect size, [PSS-2] **power**, [PSS-5] **Glossary**
neighbors, first- and second-order, [SP] **Intro 1**,
 [SP] **spmatrix create**, [SP] **Glossary**
Nelder–Mead algorithm, [M-5] **moptimize()**,
 [M-5] **optimize()**

Nelson–Aalen cumulative hazard, [ST] **sts**, [ST] **sts generate**, [ST] **sts graph**, [ST] **sts list**

nested

case–control data, [ST] **sttocc**
 designs, [MV] **manova**, [R] **anova**
 effects, [MV] **manova**, [R] **anova**
 logit, [CM] **nlogit**
 model statistics, [R] **nestreg**
 number list, [PSS-2] **power**
 random effects, [BAYES] **bayes: mecloglog**,
 [BAYES] **bayes: meglm**,
 [BAYES] **bayes: meintreg**,
 [BAYES] **bayes: melogit**,
 [BAYES] **bayes: menbreg**,
 [BAYES] **bayes: meologit**,
 [BAYES] **bayes: meoprobit**,
 [BAYES] **bayes: mepoisson**,
 [BAYES] **bayes: meprobit**,
 [BAYES] **bayes: mestreg**,
 [BAYES] **bayes: metobit**,
 [BAYES] **bayes: mixed**, [ME] **mecloglog**,
 [ME] **meglm**, [ME] **meintreg**, [ME] **melogit**,
 [ME] **menbreg**, [ME] **menl**, [ME] **meologit**,
 [ME] **meoprobit**, [ME] **mepoisson**,
 [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,
 [ME] **mixed**, [ME] **Glossary**

regression, [R] **nestreg**

nested, misstable subcommand, [R] **misstable**

nested variables, [D] **assertnested**

nested-effects model, [SEM] **Glossary**, *also see*
 multilevel model

nestreg prefix command, [R] **nestreg**

net

cd command, [R] **net**
 describe command, [R] **net**
 from command, [R] **net**
 get command, [R] **net**
 install command, [R] **net**
 link command, [R] **net**
 query command, [R] **net**
 search command, [R] **net search**
 set ado command, [R] **net**
 set other command, [R] **net**
 sj command, [R] **net**
 stb command, [R] **net**

net_d, view subcommand, [R] **view**

net, view subcommand, [R] **view**

NetCourseNow, [U] **3.6.2 NetCourses**

NetCourses, [U] **3.6.2 NetCourses**

network, query subcommand, [R] **query**

.new built-in class function, [P] **class**

New Classical model, [DSGE] **Intro 3b**,
 [DSGE] **Intro 3e**, [DSGE] **Intro 9b**

new() function, [M-2] **class**

New Keynesian model, [DSGE] **Intro 3a**,
 [DSGE] **Intro 3d**, [DSGE] **Intro 9a**

new lines, data without, [D] **infile (fixed format)**

new, ssc subcommand, [R] **ssc**

newey command, [TS] **newey**, [TS] **newey postestimation**

Newey–West

covariance matrix, [TS] **Glossary**, *also see* **HAC**
 variance estimate

postestimation, [TS] **newey postestimation**

regression, [TS] **newey**

standard errors, [P] **matrix accum**, [R] **glm**

_newline(#), display directive, [P] **display**

newsletter, [U] **3 Resources for learning and using Stata**

Newton–Raphson algorithm, [M-5] **moptimize()**,
 [M-5] **optimize()**, [R] **ml**

Newton–Raphson method, [M-5] **solvenl()**

Newton’s method, *see* iterations, Newton’s method

nextbirthday() function, [D] **Datetime relative dates**, [FN] **Date and time functions**,
 [M-5] **date()**

nextleapyear() function, [D] **Datetime relative dates**, [FN] **Date and time functions**,
 [M-5] **date()**

Neyman allocation, [SVY] **estat**

nF() function, [FN] **Statistical functions**,
 [M-5] **normal()**

nFden() function, [FN] **Statistical functions**,
 [M-5] **normal()**

nFtail() function, [FN] **Statistical functions**,
 [M-5] **normal()**

nhanes1,

 mi export subcommand, [MI] **mi export**, [MI] **mi export nhanes1**

 mi import subcommand, [MI] **mi import**, [MI] **mi import nhanes1**

nibeta() function, [FN] **Statistical functions**,
 [M-5] **normal()**

niceness, set subcommand, [D] **memory**, [R] **set**

nl command, [R] **nl**, [R] **nl postestimation**

nl, tssmooth subcommand, [TS] **tssmooth nl**

nlcom command, [R] **nlcom**, [SEM] **Intro 7**,
 [SEM] **estat stdize**, [SEM] **Example 42g**,
 [SEM] **nlcom**, [SVY] **svy postestimation**

NLME, *see* nonlinear mixed-effects model

nlogit command, [CM] **Intro 5**, [CM] **nlogit**,
 [CM] **nlogit postestimation**

nlogitgen command, [CM] **nlogit**

nlogittree command, [CM] **nlogit**

nlsur command, [R] **nlsur**, [R] **nlsur postestimation**

nnmatch, teffects subcommand, [TE] **teffects nnmatch**

nobreak command, [P] **break**

nodraw option, [G-3] **nodraw_option**

noisily prefix, [P] **quietly**

nominal

 alpha, [PSS-5] **Glossary**, *also see* significance level
 item, [IRT] **Glossary**

 power, *see* power

 response model, [IRT] **irt nrm**, [IRT] **Glossary**

 sample size, *see* sample-size

- nominal, *continued*
 - significance level, [PSS-5] **Glossary**, see **significance level**
- nonadaptive Gauss–Hermite quadrature, see **quadrature, Gauss–Hermite**
- noncentral
 - beta density, [FN] **Statistical functions**, [M-5] **normal()**
 - beta distribution, [FN] **Statistical functions**, [M-5] **normal()**
 - χ^2 distribution, [FN] **Statistical functions**, [M-5] **normal()**
 - F density, [FN] **Statistical functions**, [M-5] **normal()**
 - F distribution, [FN] **Statistical functions**, [M-5] **normal()**
 - Student's t density, [FN] **Statistical functions**, [M-5] **normal()**
 - Student's t distribution, [FN] **Statistical functions**, [M-5] **normal()**
- noncentrality parameter, [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [PSS-5] **Glossary**
- nonconformities, quality control, [R] **QC**
- nonconstant variance, see **robust, Huber/White/sandwich estimator of variance**
- noncursive model, see **nonrecursive model**
- nondirectional test, see **two-sided test (power)**
- nonignorable missing data, [ERM] **Intro 4**
- noninformative prior, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **bayesstats ic**, [BAYES] **Glossary**
- nonlinear
 - autoregressive conditional heteroskedasticity, [TS] **arch**
 - autoregressive conditional heteroskedasticity with a shift, [TS] **arch**
 - combinations of parameters, [R] **nlcom**, [U] **20.15 Obtaining nonlinear combinations of coefficients**
 - combinations, predictions, and tests, [SVY] **svy postestimation**
 - DSGE, [DSGE] **dsgenl**
 - equations, [M-5] **solvenl()**
 - estimation, [TS] **arch**
 - hypothesis test after estimation, [R] **lrtest**, [R] **margins**, [R] **margins, contrast**, [R] **margins, pwcompare**, [R] **nlcom**, [R] **predictnl**, [R] **testnl**
 - least squares, [R] **nl**, [SVY] **svy estimation**
 - mixed-effects model, [ME] **me**, [ME] **menl**, [ME] **Glossary**
 - power autoregressive conditional heteroskedasticity, [TS] **arch**
 - nonlinear, *continued*
 - prediction, see **multiple imputation, prediction**
 - regression, [ME] **menl**, [R] **boxcox**, [R] **nl**, [R] **nlstur**, [TE] **teffects ra**
 - smoothing, [TS] **tssmooth nl**
 - test, [R] **nlcom**, [R] **testnl**
 - time-series model, [TS] **mswitch**, [TS] **threshold**
- nonmetric scaling, [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**, [MV] **Glossary**
- nonmissing() function, [M-5] **missing()**
- nonmonotonic power, see **saw-toothed power function**
- nonnormed fit index, see **Tucker–Lewis index**
- nonparametric analysis,
 - discriminant analysis, see **nonparametric methods**
 - hypothesis tests,
 - agreement, [R] **kappa**
 - association, [R] **spearman**, [R] **tabulate twoway**
 - cusum, [R] **cusum**
 - equality of distributions, [R] **ksmirnov**, [R] **kwallis**, [R] **ranksum**, [R] **signrank**
 - medians, [R] **ranksum**
 - proportions, [R] **bitest**, [R] **prtest**
 - random order, [R] **runtest**
 - trend, [R] **nptrend**
- kernel regression, [R] **npregress intro**, [R] **npregress kernel**, [R] **npregress kernel postestimation**, [U] **27.3.9 Nonparametric regression**
- percentiles, [R] **centile**
- quantile regression, [R] **qreg**
- ROC analysis, [R] **roc**
 - estimation, [R] **rocreg**
 - graphs, [R] **rocregplot**
 - test equality of areas, [R] **roccomp**
 - without covariates, [R] **roctab**
- series regression, [R] **npregress intro**, [R] **npregress series**, [R] **npregress series postestimation**
- smoothing, [R] **kdensity**, [R] **lowess**, [R] **lpoly**, [R] **smooth**
- survival analysis,
 - Kaplan–Meier curves, [ST] **sts graph**
 - log rank and other tests of equality, [ST] **sts test**
 - Nelson–Aalen curves, [ST] **sts graph**
 - treatment effect, [TE] **teffects nnmatch**, [TE] **teffects psmatch**
- nonparametric maximum-likelihood estimation, see **maximum likelihood estimation, nonparametric**
- nonparametric methods, [MV] **discrim knn**, [MV] **Glossary**
- nonpredetermined variable, [DSGE] **Glossary**
- nonrecursive model, [SEM] **Glossary**
 - stability of, [SEM] **estat stable**, [SEM] **Example 7**
- nonselection hazard, [R] **heckman**, [R] **heckman postestimation**
- nonspphericity correction, [PSS-2] **power repeated**, [PSS-5] **Glossary**

- nonstationary time series
 - first-difference stationary, [TS] [vec intro](#), [TS] [vec](#)
 - test for unit root, [TS] [dfgls](#), [TS] [dfuller](#), [TS] [pperron](#)
- nonzero coefficients, [LASSO] [Glossary](#)
- nonzero null, [PSS-2] [power](#), [PSS-2] [power onemean](#), [PSS-2] [power pairedmeans](#), [PSS-2] [power oneproportion](#), [PSS-2] [power onevariance](#), [PSS-2] [power onecorrelation](#), [PSS-2] [power oneslope](#), [PSS-2] [power rsquared](#), [PSS-2] [power pcorr](#)
- nopreserve option, [P] [nopreserve option](#)
- norm, [M-5] [norm\(\)](#), [M-6] [Glossary](#)
- norm() function, [M-5] [norm\(\)](#)
- normal distribution and normality,
 - examining distributions for, [R] [Diagnostic plots](#), [R] [lv](#)
 - generating multivariate data, [D] [drawnorm](#)
 - probability and quantile plots, [R] [Diagnostic plots](#)
 - test for, see [normality test](#)
 - transformations to achieve, [R] [boxcox](#), [R] [ladder](#), [R] [lnskew0](#)
- normal() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- normal,
 - density,
 - mean μ , std. dev. σ , [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - natural log of mean μ , std. dev. σ , [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - natural log of standard normal, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - standard normal, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- distribution,
 - cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - generating multivariate data with, [D] [corr2data](#)
 - inverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - joint cumulative of bivariate, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - natural log of cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - sample from multivariate, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- normalden() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- normality assumption,
 - conditional, [SEM] [Intro 4](#), [SEM] [Glossary](#)
 - joint, [SEM] [Intro 4](#), [SEM] [Glossary](#)
- normality, mvtest subcommand, [MV] [mvtest normality](#)
- normality test, see [normal distribution and normality](#)
- after VAR or SVAR, [TS] [varnorm](#)
- after VEC, [TS] [vecnorm](#)
- based on kurtosis, [R] [sktest](#)
- based on skewness, [R] [sktest](#)
- normality test, *continued*
 - multivariate, [MV] [mvtest normality](#)
 - Shapiro–Francia W' , [R] [swilk](#)
 - Shapiro–Wilk W , [R] [swilk](#)
- normalization, [MV] [ca](#), [MV] [mca](#), [MV] [mds](#), [MV] [rotate](#), [MV] [Glossary](#)
- constraints, see [model identification](#)
- normalize, spmatrix subcommand, [SP] [spmatrix normalize](#)
- normalized residuals, [R] [regress postestimation diagnostic plots](#), [SEM] [estat residuals](#), [SEM] [Methods and formulas for sem](#), [SEM] [Glossary](#)
- normalized spatial weighting matrix, [SP] [Glossary](#)
- normally distributed random numbers, [FN] [Random-number functions](#), [M-5] [runiform\(\)](#), [R] [set rng](#), [R] [set rngstream](#), [R] [set seed](#)
- not concave message, [R] [Maximize](#)
- Not Elsewhere Classified, see [Stata Blog](#)
- not equal operator, see [relational operators](#)
- not operator, see [logical operators](#)
- note() option, [G-3] [title_options](#)
- note, spmatrix subcommand, [SP] [spmatrix note](#)
- notes,
 - command, [D] [notes](#)
 - drop command, [D] [notes](#)
 - list command, [D] [notes](#)
 - renumber command, [D] [notes](#)
 - replace command, [D] [notes](#)
 - search command, [D] [notes](#)
- notes,
 - cluster subcommand, [MV] [cluster notes](#)
 - collect subcommand, [TABLES] [collect notes](#)
 - estimates subcommand, [R] [estimates notes](#)
- notes on estimation results, [R] [estimates notes](#)
- notes,
 - cluster analysis, [MV] [cluster notes](#)
 - creating, [D] [notes](#), [D] [varmanage](#)
 - editing, [D] [notes](#), [D] [varmanage](#)
- notifyuser, set subcommand, [R] [set](#)
- not-selected covariates, [LASSO] [Glossary](#)
- noupdate option, [MI] [noupdate option](#)
- novarabbrev command, [P] [varabbrev](#)
- now() function, [D] [Datetime relative dates](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- NPARCH, see [nonlinear power autoregressive conditional heteroskedasticity](#)
- npggraph command, [R] [npregress kernel postestimation](#)
- NPML, see [maximum likelihood estimation, nonparametric](#)
- npnchi2() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- npnf() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- npnt() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)

npregress

kernel command, [R] **npregress intro**,
[R] **npregress kernel**, [R] **npregress kernel**
postestimation

series command, [R] **npregress intro**,
[R] **npregress series**, [R] **npregress series**
postestimation

nproc, estat subcommand, [R] **rocreg postestimation**

nptrend command, [R] **nptrend**

NR algorithm, [R] **ml**

NRM, see **nominal response model**

nrm, irt subcommand, [IRT] **irt nrm**, [IRT] **irt nrm**
postestimation

nt() function, [FN] **Statistical functions**,
[M-5] **normal()**

ntden() function, [FN] **Statistical functions**,
[M-5] **normal()**

nttail() function, [FN] **Statistical functions**,
[M-5] **normal()**

NULL, [M-2] **pointers**, [M-6] **Glossary**

null

correlation, [PSS-2] **power**

hypothesis and alternative hypothesis,
[DSGE] **Glossary**, [PSS-2] **power**,
[PSS-2] **power onemean**, [PSS-2] **power**
twomeans, [PSS-2] **power pairedmeans**,
[PSS-2] **power oneproportion**, [PSS-2] **power**
twoproportions, [PSS-2] **power**
pairedproportions, [PSS-2] **power onevariance**,
[PSS-2] **power twovariances**, [PSS-2] **power**
onecorrelation, [PSS-2] **power twocorrelations**,
[PSS-2] **power oneway**, [PSS-2] **power twoway**,
[PSS-2] **power repeated**, [PSS-2] **power**
oneslope, [PSS-2] **power rsquared**,
[PSS-2] **power pcorr**, [PSS-2] **power cmh**,
[PSS-2] **power mcc**, [PSS-2] **power trend**,
[PSS-2] **power cox**, [PSS-2] **power exponential**,
[PSS-2] **power logrank**, [PSS-4] **Unbalanced**
designs, [PSS-5] **Glossary**

mean, [PSS-2] **power**, [PSS-2] **power onemean**,
[PSS-2] **power oneproportion**, [PSS-2] **power**
onecorrelation, [PSS-4] **Unbalanced designs**

mean difference, [PSS-2] **power**, [PSS-2] **power**
pairedmeans

parameter, [PSS-5] **Glossary**, see **null value**

partial correlation, [PSS-2] **power**, [PSS-2] **power**
pcorr

proportion, [PSS-2] **power**

R^2 , [PSS-2] **power**, [PSS-2] **power rsquared**

slope, [PSS-2] **power**, [PSS-2] **power oneslope**

standard deviation, [PSS-2] **power**, [PSS-2] **power**
onevariance

value, [PSS-2] **power**, [PSS-5] **Glossary**

variance, [PSS-2] **power**, [PSS-2] **power**
onevariance

null-terminator, see **binary 0**

nullmat() function, [FN] **Matrix functions**,
[P] **matrix define**

number

of clusters, [PSS-5] **Glossary**, *also see* **cluster**
analysis

of events, see **number of failures**

of failures, [PSS-2] **power cox**, [PSS-2] **power**
exponential, [PSS-2] **power logrank**, *also see*
survival analysis

to string conversion, see **string functions**

number, confirm subcommand, [P] **confirm**

numbered

styles, [G-4] **linestyle**, [G-4] **markerlabelstyle**,
[G-4] **markerstyle**, [G-4] **pstyle**

numbers, [U] **12.2 Numbers**

formatting, [D] **format**, [U] **12.5 Formats:**
Controlling how data are displayed,
[U] **20.9 Formatting the coefficient table**

mapping to strings, [D] **destring**, [D] **encode**,
[D] **label**, *also see* **real()** function, *also see*
stroofreal() function

missing values, see **missing values**

precision, see **numerical precision**

storing, see **data types**

numeric, [M-2] **Declarations**, [M-6] **Glossary**

numeric list, [P] **numlist**, [P] **syntax**,
[U] **11.1.8 numlist**

numeric value labels, [D] **labelbook**

numerical integration, [M-5] **Quadrature()**, [R] **dydx**

numerical precision, [U] **13.12 Precision and problems**
therein

numlabel command, [D] **labelbook**

numlist, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**

numlist command, [P] **numlist**, [U] **11.1.8 numlist**

N-way analysis of variance, [R] **anova**

N-way multivariate analysis of variance, [MV] **manova**

O

object, [M-2] **class**, [P] **class**

code, [M-1] **How**, [M-6] **Glossary**

objective prior, see **noninformative prior**

object-oriented programming, [M-2] **class**,

[M-6] **Glossary**, [P] **class**, [P] **Glossary**

objects, graph, see **graph objects**

.objkey built-in class function, [P] **class**

.objtype built-in class function, [P] **class**

oblimax rotation, [MV] **rotate**, [MV] **rotatemat**,
[MV] **Glossary**

oblimin rotation, [MV] **rotate**, [MV] **rotatemat**,
[MV] **Glossary**

oblique rotation, [MV] **factor postestimation**,
[MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**

oblique transformation, see **oblique rotation**

obs parameter, [D] **describe**, [D] **obs**

obs, set subcommand, [D] **obs**, [R] **set**

observation, [CM] **Glossary**

observational data, [ERM] **Glossary**, [TE] **Glossary**

observational study, [PSS-2] **power**, [PSS-3] **ciwidth**,
[PSS-5] **Glossary**

- observations,
 - adding, [D] **insobs**
 - built-in counter variable, [U] **11.3 Naming conventions**
 - complete and incomplete, [MI] **Glossary**
 - creating dataset of, [D] **collapse**
 - dropping, [D] **drop**
 - dropping duplicate, [D] **duplicates**
 - duplicating, [D] **expand**
 - duplicating, clustered, [D] **expandcl**
 - identifying duplicate, [D] **duplicates**
 - increasing number of, [D] **obs**
 - inserting, [D] **insobs**
 - marking, [P] **mark**
 - maximum number of, [D] **memory**, [U] **6 Managing memory**
 - ordering, [D] **gsort**, [D] **sort**
 - transposing with variables, [D] **xpose**
- observed information matrix, [R] **ml**, [R] **vce_option**, [SEM] **Glossary**, [XT] **vce_options**
- observed level of significance, see *p*-value
- observed variables, [SEM] **Intro 4**, [SEM] **Glossary**
- Ochiai coefficient similarity measure, [MV] **measure_option**
- odbc
 - describe command, [D] **odbc**
 - exec() command, [D] **odbc**
 - insert command, [D] **odbc**
 - list command, [D] **odbc**
 - load command, [D] **odbc**
 - query command, [D] **odbc**
 - sqlfile() command, [D] **odbc**
- ODBC data source, importing from, [D] **odbc**, [U] **22.4 ODBC sources**, [U] **22.5 JDBC sources**
- odbcdriver, set subcommand, [D] **odbc**, [R] **set**
- odbcmgr, set subcommand, [D] **odbc**, [R] **set**
- odds, [PSS-5] **Glossary**, [ST] **Glossary**
- odds ratio, [META] **Intro**, [META] **meta esize**, [META] **meta summarize**, [META] **Glossary**, [PSS-2] **power**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-5] **Glossary**, [R] **eform_option**, [R] **Epitab**, [SEM] **estat eform**, [ST] **Glossary**
- differences, [SVY] **svy postestimation**
- estimation, [CM] **cmlogit**, [LASSO] **dslogit**, [LASSO] **pologit**, [LASSO] **xpologit**, [R] **binreg**, [R] **clogit**, [R] **cloglog**, [R] **exlogistic**, [R] **fracreg**, [R] **glm**, [R] **logistic**, [R] **logit**, [R] **mlogit**, [R] **ologit**
- odds ratio, estimation, *continued*
 - Bayesian, [BAYES] **bayes: binreg**, [BAYES] **bayes: clogit**, [BAYES] **bayes: fracreg**, [BAYES] **bayes: glm**, [BAYES] **bayes: logistic**, [BAYES] **bayes: logit**, [BAYES] **bayes: meglm**, [BAYES] **bayes: melogit**, [BAYES] **bayes: meologit**, [BAYES] **bayes: ologit**, [BAYES] **bayes: xtlogit**, [BAYES] **bayes: xtologit**
 - finite mixture model, [FMM] **fmm: glm**, [FMM] **fmm: logit**
 - multilevel model, [ME] **meglm**, [ME] **melogit**, [ME] **meologit**
 - panel-data model, [XT] **xtcloglog**, [XT] **xtgee**, [XT] **xtlogit**, [XT] **xtologit**
 - structural equation modeling, [SEM] **Intro 7**, [SEM] **Example 33g**, [SEM] **Example 34g**
 - survey data, [SVY] **svy estimation**
 - postestimation, [R] **contrast**, [R] **exlogistic postestimation**, [R] **lincom**
- _OEx, [SEM] **sem and gsem option covstructure()**
- off,
 - cmdlog subcommand, [R] **log**
 - log subcommand, [R] **log**
 - timer subcommand, [P] **timer**
- Office Open XML, [M-5] **_docx*()**, [R] **etable**, [RPT] **docx2pdf**, [RPT] **Dynamic documents intro**, [RPT] **dyndoc**, [RPT] **html2docx**, [RPT] **markdown**, [RPT] **putdocx intro**, [RPT] **putdocx begin**, [RPT] **putdocx collect**, [RPT] **putdocx pagebreak**, [RPT] **putdocx paragraph**, [RPT] **putdocx table**, [TABLES] **collect export**, [U] **21.2 The dynamic document commands**, [U] **21.3 The putdocx, putpdf, and putexcel commands**
- Office, Microsoft, see **Microsoft Office**
- offset between axes and data, setting, [G-3] **region_options**
- offset variable, [ST] **Glossary**
- ograph,
 - bayesirf subcommand, [BAYES] **bayesirf ograph**
 - irf subcommand, [TS] **irf ograph**
- OIM, see **observed information matrix**
- OLDPLACE directory, [P] **sysdir**, [U] **17.5 Where does Stata look for ado-files?**
- OLE Automation, [P] **Automation**
- ologit command, [R] **ologit**, [R] **ologit postestimation**
- ologit regression, mixed-effects, [ME] **meologit**
- OLS regression, see **linear regression**
- omitted variables, [ERM] **Intro 3**, [ERM] **Glossary**
- omitted variables test, [R] **regress postestimation**, also see **specification test**

- on,
 - cmdlog subcommand, [R] **log**
 - log subcommand, [R] **log**
 - timer subcommand, [P] **timer**
- one-parameter logistic model, [IRT] **irt 1pl**, [IRT] **Glossary**
- one-at-a-time Markov chain Monte Carlo sampling, [BAYES] **Intro**, [BAYES] **bayesm**, [BAYES] **Glossary**
- onecorrelation, power subcommand, [PSS-2] **power onecorrelation**
- one-level model, [ME] **me**, [ME] **Glossary**
- onemean,
 - ciwidth subcommand, [PSS-3] **ciwidth onemean**
 - power subcommand, [PSS-2] **power onemean**, [PSS-2] **power onemean, cluster**
- oneproportion, power subcommand, [PSS-2] **power oneproportion**, [PSS-2] **power oneproportion, cluster**
- one-sample
 - confidence interval, [PSS-1] **Intro**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth usermethod**
 - mean, [PSS-3] **ciwidth onemean**, [PSS-4] **Unbalanced designs**
 - variance, [PSS-3] **ciwidth onevariance**
 - correlation, see **correlation**, one-sample
 - mean, see **means**, one-sample
 - proportion, see **proportions**, one-sample
 - standard deviation, see **standard deviations**, one-sample
 - study, [PSS-2] **power**, [PSS-4] **Unbalanced designs**
 - test, [PSS-1] **Intro**, [PSS-2] **Intro (power)**, [PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-5] **Glossary**
 - correlation, [PSS-2] **power onecorrelation**
 - Cox proportional hazards model, [PSS-2] **power cox**
 - hazard function, [PSS-2] **power cox**
 - hazard ratio, [PSS-2] **power cox**
 - linear logit model, [PSS-2] **power trend**
 - log hazard-ratio, [PSS-2] **power cox**
 - mean, [PSS-2] **power onemean**, [PSS-4] **Unbalanced designs**
 - partial correlation, [PSS-2] **power pcorr**
 - proportion, [PSS-2] **power oneproportion**
 - regression coefficient, [PSS-2] **power trend**, [PSS-2] **power cox**
 - R^2 , [PSS-2] **power rsquared**
 - slope, [PSS-2] **power oneslope**
 - survivor function, [PSS-2] **power cox**
 - variance, [PSS-2] **power onevariance**
 - variance, see **variance**, one-sample
- one-sided
 - confidence interval, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-5] **Glossary**
 - test (power), [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-2] **power onemean, cluster**, [PSS-2] **power twomeans**, [PSS-2] **power twomeans, cluster**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power oneproportion, cluster**, [PSS-2] **power twoproportions**, [PSS-2] **power twoproportions, cluster**, [PSS-2] **power pairedproportions**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power oneslope**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-2] **power logrank, cluster**, [PSS-5] **Glossary**
 - oneslope, power subcommand, [PSS-2] **power oneslope**
 - one-step-ahead forecast, see **static forecast**
 - one-tailed test, see **one-sided test (power)**
 - onevariance,
 - ciwidth subcommand, [PSS-3] **ciwidth onevariance**
 - power subcommand, [PSS-2] **power onevariance**
- one-way analysis of variance, [PSS-2] **power**, [PSS-2] **power oneway**, [PSS-5] **Glossary**, [R] **kwallis**, [R] **loneway**, [R] **oneway**
- oneway command, [R] **oneway**
- one-way repeated-measures ANOVA, [PSS-2] **power repeated**, [PSS-5] **Glossary**
- oneway, power subcommand, [PSS-2] **power oneway**
- opaccum, matrix subcommand, [P] **matrix accum**
- opacity, [G-4] **colorstyle**, [G-4] **Glossary**
- open, file subcommand, [P] **file**
- OpenOffice dates, [D] **Datetime values from other software**
- operating characteristic curve, [IRT] **Glossary**, also see **category characteristic curve**
- operating system command, [D] **cd**, [D] **copy**, [D] **dir**, [D] **erase**, [D] **mkdir**, [D] **rmdir**, [D] **shell**, [D] **type**
- operator,
 - arithmetic, [M-2] **op_arith**, [M-2] **op_colon**, [P] **matrix define**, [U] **13.2.1 Arithmetic operators**
 - assignment, [M-2] **op_assignment**, [U] **11.1.5 =exp**
 - colon, [M-2] **op_colon**, [M-6] **Glossary**
 - column-join, [M-2] **op_join**
 - conditional, [M-2] **op_conditional**
 - conjugate transpose, [M-2] **op_transpose**
 - increment (++) and decrement (--), [M-2] **op_increment**, [P] **macro**
 - Kronecker direct-product, [M-2] **op_kronecker**, [P] **matrix define**

operator, *continued*

logical, [M-2] **op_colon**, [M-2] **op_logical**,
[U] 13.2.4 **Logical operators**

order of evaluation, [P] **matrix define**,

[U] 13.2.5 **Order of evaluation, all operators**

range, [M-2] **op_range**

relational, [M-2] **op_colon**, [U] 13.2.3 **Relational operators**

row-join, [M-2] **op_join**

string,

concatenation, [M-4] **String**, [M-5] **invtokens()**,
[U] 13.2.2 **String operators**

duplication, [M-4] **String**, [M-5] **strdup()**,
[U] 13.2.2 **String operators**

time-series, [U] 11.4.3.6 **Using factor variables with time-series operators**, [U] 13.10 **Time-series operators**

difference, [U] 11.4.4 **Time-series varlists**

lag, [U] 11.4.4 **Time-series varlists**

lead, [U] 11.4.4 **Time-series varlists**

programming, [M-5] **st_tsrevar()**, [TS] **tsrevar**

seasonal lag, [U] 11.4.4 **Time-series varlists**

transpose, [M-2] **op_transpose**

OPG, see **outer product of the gradient**

oprobit command, [R] **oprobit**, [R] **oprobit postestimation**

oprobit regression, mixed-effects, [ME] **meoprobit**

optimization, [M-3] **mata set**, [M-5] **moptimize()**,
[M-5] **optimize()**, [M-6] **Glossary**, also see
maximum likelihood estimation

linear, see **linear optimization**

_optimize() function, [M-5] **optimize()**

optimize() function, [M-5] **optimize()**

_optimize_evaluate() function, [M-5] **optimize()**

optimize_evaluate() function, [M-5] **optimize()**

optimize_init() function, [M-5] **optimize()**

optimize_init_*() functions, [M-5] **optimize()**

optimize_query() function, [M-5] **optimize()**

optimize_result_*() functions, [M-5] **optimize()**

option, [U] **Glossary**

options, [U] 11 **Language syntax**

in a programming context, [P] **syntax**, [P] **unab**

repeated, [G-4] **Concept: repeated options**,
[G-4] **Glossary**

or operator, see **logical operators**

Oracle, importing from, [D] **odbc**

order

observations, [D] **gsort**, [D] **sort**

statistics, [D] **egen**, [R] **lv**

variables, [D] **order**, [D] **sort**

order command, [D] **order**

order() function, [M-5] **sort()**

order of evaluation, see **operator, order of evaluation**

ordered

categorical variable, [ERM] **Glossary**

complementary log-log regression, [SEM] **Glossary**

logistic regression, [BAYES] **bayes: meologit**,

[BAYES] **bayes: ologit**,

[BAYES] **bayes: xtologit**,

[BAYES] **bayes: zilogit**, [FMM] **fm: ologit**,

[ME] **meologit**, [R] **ologit**, [R] **zilogit**,

[SEM] **Example 35g**, [SVY] **svy estimation**

logistic regression imputation, see **imputation**,
ordered logistic regression

logit, see **ordered logistic regression**

logit regression, [SEM] **Glossary**, also see **ordered logistic regression**

probit, [BAYES] **bayes: heckoprobit**,

[BAYES] **bayes: hetoprobit**,

[BAYES] **bayes: meoprobit**,

[BAYES] **bayes: oprobit**,

[BAYES] **bayes: xtoprobit**,

[BAYES] **bayes: zioprobit**, [ERM] **Intro 2**,

[ERM] **eoprobit**, [ERM] **Example 6a**,

[ERM] **Example 6b**, [ERM] **Example 9**,

[FMM] **fm: oprobit**, [ME] **meoprobit**,

[R] **heckoprobit**, [R] **hetoprobit**, [R] **oprobit**,

[R] **zioprobit**, [SEM] **Example 35g**,

[SEM] **Example 36g**, [SVY] **svy estimation**

probit regression, [SEM] **Glossary**, also see **ordered probit**

ordinal

exposure, [PSS-2] **power trend**

item, [IRT] **Glossary**

model, [SEM] **Intro 5**, [SEM] **Example 31g**,

[SEM] **Example 32g**, [SEM] **Example 35g**,

[SEM] **Example 36g**

outcome, see **outcomes, ordinal**

outcome model, see **outcomes, ordinal**

ordinary least squares, see **linear regression**

ordination, [MV] **mds**, [MV] **Glossary**

orgtype, [M-2] **Declarations**, [M-6] **Glossary**

orgtype() function, [M-5] **eltype()**

orientationstyle, [G-4] **orientationstyle**

orientationstyle, [G-4] **Glossary**

original data, [MI] **Glossary**

orthog command, [R] **orthog**

orthogonal

matrix, [M-6] **Glossary**

polynomial, [R] **contrast**, [R] **margins, contrast**,

[R] **orthog**

rotation, [MV] **factor postestimation**, [MV] **rotate**,

[MV] **rotatemat**, [MV] **Glossary**

transformation, see **orthogonal rotation**

orthogonalized impulse-response function,

[BAYES] **bayesirf**, [TS] **irf**, [TS] **var intro**,

[TS] **vec intro**, [TS] **vec**, [TS] **Glossary**

orthonormal basis, [P] **matrix svd**

orthpoly command, [R] **orthog**

other, query subcommand, [R] **query**

outcome model, [ERM] **Glossary**, [TE] **didregress**, [TE] **eteffects**, [TE] **etpoisson**, [TE] **etregress**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **teffects ipwra**, [TE] **teffects ra**, [TE] **telasso**, [TE] **Glossary**

outcome variable, [LASSO] **Glossary**, [SP] **Glossary**

outcomes,

binary,

complementary log–log, [BAYES] **bayes: cloglog**, [FMM] **fmm**, [FMM] **fmm: cloglog**, [R] **cloglog**, [XT] **xtcloglog**

generalized estimating equations, [XT] **xtgee**

glm for binomial family, [BAYES] **bayes: binreg**,

[BAYES] **bayes: glm**, [FMM] **fmm**,

[FMM] **fmm: glm**, [R] **binreg**, [R] **glm**

logistic, [BAYES] **bayesmh**

evaluators, [BAYES] **bayes: logistic**,

[BAYES] **bayes: logit**,

[BAYES] **bayes: xtlogit**, [FMM] **fmm**,

[FMM] **fmm: logit**, [IRT] **irt 1pl**, [IRT] **irt**

2pl, [IRT] **irt 3pl**, [IRT] **irt hybrid**,

[LASSO] **dslogit**, [LASSO] **elasticnet**,

[LASSO] **lasso**, [LASSO] **pologit**,

[LASSO] **xpologit**, [R] **exlogistic**, [R] **logistic**,

[R] **logit**, [R] **scobit**, [XT] **xtlogit**,

[XT] **xtstreg**

multilevel

mixed-effects, [BAYES] **bayes: mecloglog**,

[BAYES] **bayes: melogit**,

[BAYES] **bayes: meprobit**, [ME] **mecloglog**,

[ME] **meglm**, [ME] **melogit**, [ME] **meprobit**

power and sample size, [PSS-2] **power**,

[PSS-2] **power oneproportion**,

[PSS-2] **power twoproportions**,

[PSS-2] **power pairedproportions**,

[PSS-2] **power cmh**, [PSS-2] **power mcc**,

[PSS-2] **power trend**

probit, [BAYES] **bayes: biprobit**,

[BAYES] **bayes: heckprobit**,

[BAYES] **bayes: hetprobit**,

[BAYES] **bayes: probit**,

[BAYES] **bayes: xtprobit**, [ERM] **eprobit**,

[ERM] **Example 3a**, [ERM] **Example 3b**,

[ERM] **Example 4a**, [ERM] **Example 4b**,

[ERM] **Example 5**, [ERM] **Example 6b**,

[FMM] **fmm**, [FMM] **fmm: probit**,

[LASSO] **elasticnet**, [LASSO] **lasso**,

[R] **biprobit**, [R] **heckprobit**, [R] **hetprobit**,

[R] **ivprobit**, [R] **probit**, [XT] **xtprobit**

regress, [R] **hetregress**

ROC analysis, [R] **rocfit**, [R] **rocreg**

structural equation modeling, [SEM] **Intro 5**,

[SEM] **Example 27g**, [SEM] **Example 28g**,

[SEM] **Example 29g**, [SEM] **Example 30g**,

[SEM] **Example 31g**, [SEM] **Example 32g**,

[SEM] **Example 33g**, [SEM] **Example 34g**,

[SEM] **Example 50g**

treatment effects, [TE] **eteffects**, [TE] **teffects**

aipw, [TE] **teffects ipw**, [TE] **teffects**

ipwra, [TE] **teffects nnmatch**, [TE] **teffects**

psmatch, [TE] **teffects ra**, [TE] **telasso**

outcomes, *continued*

categorical,

logistic, [BAYES] **bayes: mlogit**,

[BAYES] **bayes: xtmlogit**, [CM] **cmclogit**,

[CM] **cmmixlogit**, [CM] **cmxtmixlogit**,

[CM] **nlogit**, [FMM] **fmm**,

[FMM] **fmm: mlogit**, [IRT] **irt nrm**, [IRT] **irt**

hybrid, [R] **clogit**, [R] **mlogit**, [R] **slogit**,

[XT] **xtmlogit**

probit, [BAYES] **bayes: mprobit**,

[BAYES] **bayes: probit**,

[BAYES] **bayes: xtprobit**, [CM] **cmmprobit**,

[R] **mprobit**

censored, multilevel mixed-effects,

[BAYES] **bayes: metobit**, [ME] **meintreg**,

[ME] **metobit**

continuous, [ERM] **eintreg**, [ERM] **eregress**,

[FMM] **fmm**, [LASSO] **dsregress**,

[LASSO] **elasticnet**, [LASSO] **lasso**,

[LASSO] **poivregress**, [LASSO] **poregress**,

[LASSO] **sqrtlasso**, [LASSO] **xpoivregress**,

[LASSO] **xporegress**, [R] **anova**, [R] **areg**,

[R] **churdle**, [R] **cnsreg**, [R] **frontier**, [R] **glm**,

[R] **heckman**, [R] **hetregress**, [R] **intreg**,

[R] **ivregress**, [R] **ivtobit**, [R] **qreg**, [R] **reg3**,

[R] **regress**, [R] **rreg**, [R] **sureg**, [R] **tobit**,

[R] **truncreg**, [R] **vwls**

Bayesian,

[BAYES] **bayesmh**, [BAYES] **bayes: dsge**,

[BAYES] **bayes: dsgehl**,

[BAYES] **bayes: glm**,

[BAYES] **bayes: heckman**,

[BAYES] **bayes: hetregress**,

[BAYES] **bayes: intreg**,

[BAYES] **bayes: regress**,

[BAYES] **bayes: tobit**,

[BAYES] **bayes: truncreg**,

[BAYES] **bayes: var**, [BAYES] **bayes: xtreg**

multilevel mixed-effects, [ME] **meglm**,

[ME] **meintreg**, [ME] **menl**, [ME] **metobit**,

[ME] **mixed**

panel data, [BAYES] **bayes: xtreg**,

[ERM] **eintreg**, [ERM] **eregress**,

[ERM] **Example 7**, [ERM] **Example 8a**,

[ERM] **Example 8b**, [TE] **didregress**,

[XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**,

[XT] **xtfrontier**, [XT] **xtgls**, [XT] **xthheckman**,

[XT] **xhtaylor**, [XT] **xtintreg**, [XT] **xtivreg**,

[XT] **xtpcse**, [XT] **xtreg**, [XT] **xtregar**,

[XT] **xttobit**

power and sample size, [PSS-2] **power onemean**,

[PSS-2] **power twomeans**, [PSS-2] **power**

pairedmeans, [PSS-2] **power onecorrelation**,

[PSS-2] **power twovariances**, [PSS-2] **power**

onecorrelation, [PSS-2] **power**

twocorrelations, [PSS-2] **power oneway**,

[PSS-2] **power twoway**, [PSS-2] **power**

repeated

outcomes, continuous, *continued*

precision and sample size, [PSS-3] **ciwidth**
onemean, [PSS-3] **ciwidth twomeans**,
 [PSS-3] **ciwidth pairedmeans**,
 [PSS-3] **ciwidth onevariance**

time series, [TS] **arch**, [TS] **arfima**, [TS] **arima**,
 [TS] **dfactor**, [TS] **mgarch ccc**, [TS] **mgarch**
dcc, [TS] **mgarch dveh**, [TS] **mgarch vcc**,
 [TS] **mswitch**, [TS] **newey**, [TS] **prais**,
 [TS] **sspace**, [TS] **threshold**, [TS] **ucm**,
 [TS] **var**, [TS] **var svar**, [TS] **vec**

treatment effects, [TE] **didregress**, [TE] **eteffects**,
 [TE] **etregress**, [TE] **teffects aipw**,
 [TE] **teffects ipw**, [TE] **teffects ipwra**,
 [TE] **teffects nnmatch**, [TE] **teffects**
psmatch, [TE] **teffects ra**, [TE] **telasso**

count, [U] **2.8 Count outcomes**

generalized estimating equations, [XT] **xtgee**

heckpoisson, [R] **heckpoisson**

multilevel, [SEM] **Example 39g**

multilevel

mixed-effects, [BAYES] **bayes: menbreg**,
 [BAYES] **bayes: mepoisson**, [ME] **menbreg**,
 [ME] **mepoisson**

negative binomial, [BAYES] **bayes: gnbreg**,

[BAYES] **bayes: nbreg**,
 [BAYES] **bayes: tnbreg**,
 [BAYES] **bayes: xtnbreg**,
 [BAYES] **bayes: zinb**, [FMM] **fmm**,
 [FMM] **fmm: nbreg**, [R] **nbreg**, [R] **tnbreg**,
 [R] **zinb**, [SEM] **Intro 5**, [XT] **xtnbreg**

Poisson, [BAYES] **bayes: poisson**,

[BAYES] **bayes: tpoisson**,
 [BAYES] **bayes: xtpoisson**,
 [BAYES] **bayes: zip**,
 [FMM] **fmm**, [FMM] **fmm: poisson**,
 [FMM] **fmm: tpoisson**, [FMM] **Example 2**,
 [FMM] **Example 3**, [LASSO] **dspoisson**,
 [LASSO] **elasticnet**, [LASSO] **lasso**,
 [LASSO] **popoisson**, [LASSO] **xpopoisson**,
 [R] **cpoisson**, [R] **expoisson**, [R] **ivpoisson**,
 [R] **poisson**, [R] **tpoisson**, [R] **zip**,
 [SEM] **Intro 5**, [SEM] **Example 34g**,
 [SEM] **Example 53g**, [SEM] **Example 54g**,
 [TE] **etpoisson**, [XT] **xtpoisson**

treatment effects, [TE] **eteffects**, [TE] **etpoisson**,
 [TE] **teffects aipw**, [TE] **teffects ipw**,
 [TE] **teffects ipwra**, [TE] **teffects nnmatch**,
 [TE] **teffects psmatch**, [TE] **teffects ra**,
 [TE] **telasso**

fractional,

beta, [BAYES] **bayes: betareg**,
 [FMM] **fmm: betareg**, [R] **betareg**

fractional response, [BAYES] **bayes: fracreg**,
 [R] **fracreg**

treatment effects, [TE] **eteffects**, [TE] **teffects**
ipw, [TE] **teffects nnmatch**, [TE] **teffects**
psmatch

multinomial, see *categorical subentry*, see *ordinal*
subentry, see *rank subentry*

outcomes, *continued*

ordinal,

logistic, [BAYES] **bayes: ologit**,
 [BAYES] **bayes: xtologit**,
 [BAYES] **bayes: ziologit**, [FMM] **fmm**,
 [FMM] **fmm: ologit**, [IRT] **irt grm**,
 [IRT] **irt pcm**, [IRT] **irt rsm**, [IRT] **irt**
hybrid, [R] **ologit**, [R] **slogit**, [R] **ziologit**,
 [XT] **xtologit**

multilevel

mixed-effects, [BAYES] **bayes: meologit**,
 [BAYES] **bayes: meoprobit**, [ME] **meologit**,
 [ME] **meoprobit**

probit, [BAYES] **bayes: hetoprobit**,
 [BAYES] **bayes: oprobit**,
 [BAYES] **bayes: xtoprobit**,
 [BAYES] **bayes: zioprobit**, [ERM] **eoprobit**,
 [ERM] **Example 6a**, [ERM] **Example 9**,
 [FMM] **fmm**, [FMM] **fmm: oprobit**,
 [R] **heckoprobit**, [R] **hetoprobit**, [R] **oprobit**,
 [R] **zioprobit**, [XT] **xtoprobit**

treatment effect, [TE] **teffects multivalued**

polytomous, see *categorical subentry*, see *ordinal*
subentry, see *rank subentry*

rank,

logistic, [CM] **cmrologit**
 probit, [CM] **cmroprobit**

survival, [FMM] **fmm**

competing risks, [ST] **stcrreg**

Cox, [ST] **stcox**, [ST] **stintcox**

parametric, [BAYES] **bayes: streg**,
 [FMM] **fmm: streg**, [FMM] **Example 4**,
 [ST] **stintreg**, [ST] **streg**

power and sample size, [PSS-2] **power cox**,
 [PSS-2] **power exponential**, [PSS-2] **power**
logrank

treatment effects, [TE] **stteffects ipw**,
 [TE] **stteffects ipwra**, [TE] **stteffects ra**,
 [TE] **stteffects wra**

outer

fence, [R] **lv**
 product, see *Kronecker direct product*
 product of the gradient, [R] **ml**, [R] **vce_option**,
 [SEM] **Glossary**, [XT] **vce_options**

outfile command, [D] **outfile**

outliers,

downweighting, [R] **qreg**, [R] **rreg**
 graphing, [G-2] **graph twoway lfitci**, [G-2] **graph**
twoway qfitci
 identifying, [R] **jackknife**, [R] **lv**, [R] **regress**
postestimation

outlines, suppressing, [G-4] **linestyle**

outlining regions, [G-3] **region_options**

out-of-sample predictions, [R] **predict**, [R] **predictnl**,
 [U] **20.11.3 Making out-of-sample predictions**,
 see *simulated outcome*

out-of-sample R^2 , [LASSO] **Glossary**

output,
 query subcommand, [R] **query**
 set subcommand, [P] **quietly**, [R] **set**

output gap, [TS] **Glossary**

output,
 coefficient table,
 automatically widen, [R] **set**
 display settings, [R] **set showbaselevels**
 format settings, [R] **set cformat**
 controlling the scrolling of, [R] **more**, [U] **7 –more– conditions**
 displaying, [P] **display**, [P] **smcl**
 formatting numbers, [D] **format**
 printing, [R] **translate**, [U] **15 Saving and printing output—log files**
 recording, [R] **log**
 settings, [P] **creturn**
 suppressing, [P] **quietly**

outside values, [R] **lv**

over() option, [G-2] **graph bar**, [G-2] **graph box**, [G-2] **graph dot**

overall effect size, [META] **meta**, [META] **Glossary**

overdispersion, [ME] **menbreg**, [ME] **mepoisson**, [ME] **mestreg**, [ME] **Glossary**, *also see* **imputation**, **overdispersed count data**

overid,
 estat subcommand, [R] **gmm postestimation**, [R] **ivpoisson postestimation**, [R] **ivregress postestimation**
 tebalance subcommand, [TE] **tebalance overid**

overidentifying restrictions, [XT] **Glossary**

tests of, [R] **gmm postestimation**, [R] **ivpoisson postestimation**, [R] **ivregress postestimation**, [XT] **xtabond**, [XT] **xtabond postestimation**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xtdpdsys postestimation**

overlap assumption, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teoverlap**, [TE] **Glossary**

overlap, **teffects** subcommand, [TE] **teoverlap**

overloading, class program names, [P] **class**

ovtest, estat subcommand, [R] **regress postestimation**

P

p charts, *see* **fraction defective**

P–P plot, [R] **Diagnostic plots**

p-value, [SEM] **Glossary**

pac command, [TS] **corrgram**

pagebreak,
 putdocx subcommand, [RPT] **putdocx pagebreak**
 putpdf subcommand, [RPT] **putpdf pagebreak**

pagenumber, putdocx subcommand, [RPT] **putdocx paragraph**

pagesize, set subcommand, [R] **more**, [R] **set**

paging of screen output, controlling, [P] **more**, [R] **more**, [U] **7 –more– conditions**

paired
 data, [PSS-5] **Glossary**
 means, *see* **means**, **paired**
 observations, *see* **paired data**
 proportions, *see* **proportions**, **paired**
 study, [PSS-2] **power**, [PSS-2] **power mce**
 test, [PSS-5] **Glossary**

paired-coordinate plots, [G-2] **graph twoway pcarrow**, [G-2] **graph twoway pccapsym**, [G-2] **graph twoway pcscatter**, [G-2] **graph twoway pcspike**

pairedmeans,
 ciwidth subcommand, [PSS-3] **ciwidth pairedmeans**

pairedmeans, power subcommand, [PSS-2] **power pairedmeans**

pairedproportions, power subcommand, [PSS-2] **power pairedproportions**

paired-sample
 confidence interval, [PSS-1] **Intro**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth pairedmeans**
 test, [PSS-1] **Intro**, [PSS-2] **Intro (power)**, [PSS-2] **power**, [PSS-2] **power pairedmeans**, [PSS-2] **power pairedproportions**

pairwise
 combinations, [D] **cross**, [D] **joinby**
 comparisons, [MV] **Intro**, [R] **margins**, **pwcompare**, [R] **marginsplot**, [R] **pwcompare**, [R] **pwmean**, [U] **20.18 Obtaining pairwise comparisons**
 correlation, [R] **correlate**

pairwise, estat subcommand, [MV] **mds postestimation**

palette color command, [G-2] **palette**

palette linepalette command, [G-2] **palette**

palette smclsymbolpalette command, [G-2] **palette**

palette symbolpalette command, [G-2] **palette**

panel data, [BAYES] **bayes**, [BAYES] **bayesmh**, [CM] **Glossary**, [D] **assertnested**, [ERM] **Glossary**, [M-5] **panelsetup()**, [M-5] **panelsum()**, [MI] **mi estimate**, [SP] **Glossary**, [U] **27.15 Panel-data models**, [XT] **xt**, [XT] **Glossary**, *also see* **area data**

panel-corrected standard error, [XT] **xtpcse**, [XT] **Glossary**

panels, variable identifying, [CM] **cmset**, [XT] **xtset**

panelsetup() function, [M-5] **panelsetup()**

panelstats() function, [M-5] **panelsetup()**

panelsubmatrix() function, [M-5] **panelsetup()**

panelsubview() function, [M-5] **panelsetup()**

panelsum() function, [M-5] **panelsum()**

paragraph,
 putdocx subcommand, [RPT] **putdocx paragraph**
 putpdf subcommand, [RPT] **putpdf paragraph**

parallel number list, [PSS-2] **power**, [PSS-3] **ciwidth**

parallel-trends assumption, [TE] **DID intro**, [TE] **didregress**, [TE] **didregress postestimation**

- parameter
- constraints, [SEM] **estat ginvariant**, [SEM] **Glossary**
 - stability, [TS] **estat sbcusum**
 - trace files, [MI] **mi impute mvn**, [MI] **mi ptrace**
- parameterized curves, [D] **range**
- parameters, [SEM] **Glossary**
- combinations of, [SEM] **lincom**, [SEM] **nlcom**
 - system, see **system parameters**
- parametric
- methods, [MV] **Glossary**
 - spectral density estimation, [TS] **psdensity**
 - survival models, [BAYES] **bayes: mestreg**, [BAYES] **bayes: streg**, [FMM] **fmm**, [FMM] **fmm: streg**, [FMM] **Example 4**, [ME] **mestreg**, [SEM] **Intro 5**, [SEM] **Example 47g**, [SEM] **Example 48g**, [SEM] **Example 49g**, [ST] **stintreg**, [ST] **streg**, [SVY] **svy estimation**
- PARCH, see **power autoregressive conditional heteroskedasticity**
- parsedistance, cluster subcommand, [MV] **cluster programming utilities**
- parsimax rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- parsing, [M-5] **tokenget()**, [M-5] **tokens()**, [M-5] **ustrsplit()**, [P] **gettoken**, [P] **numlist**, [P] **syntax**, [P] **tokenize**, [U] **18.4 Program arguments**
- partial
- autocorrelation function, [TS] **corrgram**, [TS] **Glossary**
 - correlation, [PSS-2] **power**, [PSS-2] **power pcorr**, [PSS-5] **Glossary**, [R] **pcorr**
 - credit model, [IRT] **irt pcm**, [IRT] **Glossary**
 - DFBETA, [ST] **stcox postestimation**, [ST] **sterreg postestimation**, [ST] **Glossary**
 - effects, [CM] **margins**, [R] **margins**, [R] **marginsplot**
 - likelihood displacement value, [ST] **Glossary**
 - LMAX value, [ST] **stcox postestimation**, [ST] **Glossary**
 - regression leverage plot, [R] **regress postestimation diagnostic plots**
 - regression plot, [R] **regress postestimation diagnostic plots**
 - residual plot, [R] **regress postestimation diagnostic plots**
- partialing out, [LASSO] **Lasso inference intro**, [LASSO] **Inference examples**, [LASSO] **Inference requirements**, [LASSO] **poivregress**, [LASSO] **pologit**, [LASSO] **popoisson**, [LASSO] **poregress**, [LASSO] **Glossary**
- partially specified target rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- partition cluster-analysis methods, [MV] **cluster kmeans and kmedians**, [MV] **Glossary**
- partitioned matrices, [P] **matrix define**
- partitioning memory, [U] **6 Managing memory**
- Parzen kernel function, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lpoly**, [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**, [R] **qreg**, [TE] **tebalance density**, [TE] **teoverlap**
- passive imputation, see **imputation**, **passive**
- passive variables, see **variables**, **multiple-imputation passive**
- passive, **mi subcommand**, [MI] **mi passive**
- past history, [ST] **stset**, [ST] **Glossary**
- path (in a filesystem sense), [M-5] **pathjoin()**, [P] **creturn**, [U] **11.6 Filenaming conventions**
- path (in an SEM sense), [SEM] **Glossary**
- adding, [SEM] **Intro 6**
 - coefficients, [SEM] **Glossary**
 - constraining, [SEM] **Intro 4**
 - diagrams, [SEM] **Intro 2**, [SEM] **Intro 3**, [SEM] **Glossary**
 - model, [SEM] **Intro 5**
 - notation, [SEM] **Intro 2**, [SEM] **Intro 3**, [SEM] **gsem path notation extensions**, [SEM] **sem and gsem path notation**, [SEM] **sem path notation extensions**, [SEM] **Glossary**
- pathasciisuffix() function, [M-5] **pathjoin()**
- pathbasename() function, [M-5] **pathjoin()**
- pathgetparent() function, [M-5] **pathjoin()**
- pathisabs() function, [M-5] **pathjoin()**
- pathisurl() function, [M-5] **pathjoin()**
- pathjoin() function, [M-5] **pathjoin()**
- pathlist() function, [M-5] **pathjoin()**
- pathresolve() function, [M-5] **pathjoin()**
- pathrmsuffix() function, [M-5] **pathjoin()**
- pathsearchlist() function, [M-5] **pathjoin()**
- pathsplits() function, [M-5] **pathjoin()**
- pathstatusuffix() function, [M-5] **pathjoin()**
- pathsbsysdir() function, [M-5] **pathjoin()**
- pathsuffix() function, [M-5] **pathjoin()**
- pattern
- matching, [M-5] **strmatch()**
 - of data, [D] **egen**
 - of missing values, [R] **misstable**
 - of missingness, [MI] **Intro substantive**, [MI] **mi impute**, [MI] **mi misstable**, [MI] **Glossary**
- patterns, **misstable subcommand**, [R] **misstable**
- pause command, [P] **pause**
- pausing until key is pressed, [P] **more**, [R] **more**, [U] **7 –more– conditions**
- pc(), **egen function**, [D] **egen**
- PCA, see **principal component analysis**
- pca command, [MV] **pca**, [MV] **pca postestimation**
- pcamat command, [MV] **pca**, [MV] **pca postestimation**
- pcarrow, **graph twoway subcommand**, [G-2] **graph twoway pcarrow**
- pcarrowi, **graph twoway subcommand**, [G-2] **graph twoway pcarrowi**
- pcbarrow, **graph twoway subcommand**, [G-2] **graph twoway pcarrow**

- pccapsym, graph twoway subcommand, [G-2] **graph twoway pccapsym**
 pchart command, [R] **QC**
 pchi command, [R] **Diagnostic plots**
 pci, graph twoway subcommand, [G-2] **graph twoway pci**
 PCM, see **partial credit model**
 pcm, irt subcommand, [IRT] **irt pcm**, [IRT] **irt pcm postestimation**
 p-conformability, [M-6] **Glossary**
 pcorr command, [R] **pcorr**
 pcorr, power subcommand, [PSS-2] **power pcorr**
 pcscatter, graph twoway subcommand, [G-2] **graph twoway pcscatter**
 PCSE, see **panel-corrected standard error**
 pcspike, graph twoway subcommand, [G-2] **graph twoway pcspike**
 pctile(), egen function, [D] **egen**
 _pctile command, [D] **pctile**
 pctile command, [D] **pctile**
 PDF, see **Portable Document Format**
 Pdf*() functions, [M-5] **Pdf*()**
 Pearson
 coefficient similarity measure, [MV] **measure_option**
 goodness-of-fit test, [R] **estat gof**
 product-moment correlation coefficient, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [R] **correlate**
 residual, [ME] **mcloglog postestimation**, [ME] **meglm postestimation**, [ME] **melogit postestimation**, [ME] **menbreg postestimation**, [ME] **mepoisson postestimation**, [ME] **meprobit postestimation**, [R] **binreg postestimation**, [R] **clogit postestimation**, [R] **glm postestimation**, [R] **logistic postestimation**, [R] **logit postestimation**
 Pearson's correlation, [PSS-5] **Glossary**, also see **Pearson product-moment correlation coefficient**
 Pedroni test, [XT] **xtcointtest**
 pedroni, xtcointtest subcommand, [XT] **xtcointtest**
 Pegdown, [RPT] **markdown**
 penalized
 coefficients, [LASSO] **Glossary**
 estimators, [LASSO] **Glossary**
 penalized log-likelihood function, [ST] **stcox**, [ST] **Glossary**
 penalty
 loadings, [LASSO] **Glossary**
 parameter, [LASSO] **Glossary**
 Penn World Table, importing from, [D] **import fred**
 percentiles, create
 dataset of, [D] **collapse**
 variable containing, [D] **codebook**, [D] **egen**, [D] **pctile**
 percentiles, *continued*
 displaying, [CM] **cmsummarize**, [R] **centile**, [R] **lv**, [R] **summarize**, [R] **table summary**, [R] **table**, [R] **tabstat**
 perfect prediction, see **imputation**, perfect prediction
 pergram command, [TS] **pergram**
 _perhapsquilc() function, [M-5] **_equilrc()**
 _perhapsquilr() function, [M-5] **_equilrc()**
 _perhapsquilrc() function, [M-5] **_equilrc()**
 period, estat subcommand, [TS] **ucm**, [TS] **ucm postestimation**
 periodogram, [TS] **pergram**, [TS] **psdensity**, [TS] **Glossary**
 pername macro function, [P] **macro**
 permutation matrix and vector, [M-1] **Permutation**, [M-5] **invorder()**, [M-6] **Glossary**
 permutation test, [M-5] **cvpermute()**, [R] **permute**
 permute prefix command, [R] **permute**
 person location, [IRT] **Glossary**
 personal command, [P] **sysdir**
 PERSONAL directory, [P] **sysdir**, [U] **17.5 Where does Stata look for ado-files?**
 person-time, [ST] **stptime**
 Peters test, [META] **meta bias**
 Peto's method, [META] **Glossary**
 pformat, set subcommand, [R] **set**, [R] **set cformat**
 pharmaceutical statistics, [R] **pk**, [R] **pksumm**
 pharmacokinetic data, [R] **pk**, [R] **pkcollapse**, [R] **pkcross**, [R] **pkequiv**, [R] **pkexamine**, [R] **pkshape**, [R] **pksumm**, [U] **27.21 Pharmacokinetic data**
 pharmacokinetic plots, [R] **pkexamine**
 phase function, [TS] **tsfilter**, [TS] **Glossary**
 Phillips curve, [TS] **Glossary**
 Phillips–Perron test, [TS] **pperron**
 phtest, estat subcommand, [ST] **stcox PH-assumption tests**
 _pi built-in variable, [U] **11.3 Naming conventions**
 pi() function, [M-5] **sin()**
 pi, value of, [U] **11.3 Naming conventions**, [U] **13.4 System variables (_variables)**
 pie chart, [G-2] **graph pie**
 pie, graph subcommand, [G-2] **graph pie**
 piece macro function, [P] **macro**
 piecewise
 cubic functions, [R] **mkspline**
 linear functions, [R] **mkspline**
 Pillai's trace statistic, [MV] **canon**, [MV] **manova**, [MV] **mvtest means**, [MV] **Glossary**
 pinnable, set subcommand, [R] **set**
 _pinv() function, [M-5] **pinv()**
 pinv() function, [M-5] **pinv()**
 pk, see **pharmacokinetic data**
 pkcollapse command, [R] **pkcollapse**
 pkcross command, [R] **pkcross**
 pkequiv command, [R] **pkequiv**
 pkexamine command, [R] **pkexamine**
 .pkg filename suffix, [R] **net**

- pkshape command, [R] [pkshape](#)
- pksum command, [R] [pksum](#)
- places, [SP] [Glossary](#)
- Plackett–Luce model, [CM] [cmrologit](#)
- plain ASCII, [D] [Glossary](#), [P] [Glossary](#), [U] [Glossary](#)
- planar coordinates, see [coordinate system](#)
- platforms for which Stata is available, [U] [5.1 Platforms](#)
- play, graph subcommand, [G-2] [graph play](#)
- play() option, [G-3] [play_option](#)
- playsnd, set subcommand, [R] [set](#)
- plegend() option, [G-3] [legend_options](#)
- plot, definition, [G-4] [pstyle](#)
- plot, ml subcommand, [R] [ml](#)
- plot region, [G-3] [region_options](#), [G-4] [Glossary](#)
 - suppressing border around, [G-3] [region_options](#)
- plotregion() option, [G-3] [region_options](#)
- plotregionstyle, [G-4] [plotregionstyle](#), [G-4] [Glossary](#)
- plottypes, [G-2] [graph twoway](#), [G-4] [Glossary](#)
 - base, [G-3] [advanced_options](#)
 - derived, [G-3] [advanced_options](#)
- plugin, [P] [Glossary](#)
- plugin option, [P] [plugin](#), [P] [program](#)
- plugin,
 - Java, [P] [Java intro](#), [P] [Java plugin](#), [P] [Java utilities](#), [P] [javacall](#)
 - loading, [P] [plugin](#)
- plugins, [LASSO] [Inference examples](#), [LASSO] [lasso fitting](#), [LASSO] [Glossary](#)
- plural() function, [FN] [String functions](#)
- PLUS directory, [P] [sysdir](#), [U] [17.5 Where does Stata look for ado-files?](#)
- PMM imputation, see [imputation](#), [predictive mean matching](#)
- PNG, see [Portable Network Graphics](#)
- pnorm command, [R] [Diagnostic plots](#)
- po, [LASSO] [Glossary](#)
- point estimate, [SVY] [Glossary](#)
- point-and-click analysis, see [graphical user interface](#)
- pointers, [M-2] [pointers](#), [M-2] [ftof](#), [M-5] [findexternal\(\)](#), [M-6] [Glossary](#)
- pointmass density, [FMM] [fmm: pointmass](#), [FMM] [Glossary](#)
- points, connecting, [G-3] [connect_options](#), [G-4] [connectstyle](#)
- Poisson
 - distribution,
 - confidence intervals, [R] [ci](#)
 - cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - inverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - inverse reverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - reverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - probability mass function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - Poisson, *continued*
 - regression, [R] [nbreg](#), [R] [poisson](#), [ST] [stcox](#), [SVY] [svy estimation](#)
 - Bayesian, [BAYES] [bayes](#), [BAYES] [bayesmh](#), [BAYES] [bayes: glm](#), [BAYES] [bayes: meglm](#), [BAYES] [bayes: mepoisson](#), [BAYES] [bayes: poisson](#), [BAYES] [bayes: tpoisson](#), [BAYES] [bayes: xtpoisson](#), [BAYES] [bayes: zip](#)
 - censored, [R] [cpoisson](#)
 - elastic net, [LASSO] [elasticnet](#)
 - finite mixture model, [FMM] [fmm](#), [FMM] [fmm: poisson](#), [FMM] [Example 2](#)
 - fixed-effects, [XT] [xtpoisson](#)
 - generalized linear model, [BAYES] [bayes: glm](#), [BAYES] [bayes: meglm](#), [FMM] [fmm: glm](#), [ME] [meglm](#), [R] [glm](#)
 - lasso, [LASSO] [Lasso inference intro](#), [LASSO] [dsipoisson](#), [LASSO] [Inference examples](#), [LASSO] [lasso](#), [LASSO] [popoisson](#), [LASSO] [xpopoisson](#)
 - mixed-effects, [BAYES] [bayes: mepoisson](#), [ME] [mepoisson](#)
 - model, [XT] [Glossary](#)
 - population-averaged, [XT] [xtgee](#), [XT] [xtpoisson](#)
 - random-effects, [XT] [xtpoisson](#)
 - structural equation modeling, [SEM] [Example 34g](#), [SEM] [Example 39g](#), [SEM] [Example 53g](#), [SEM] [Example 54g](#), [SEM] [Glossary](#)
 - truncated, [BAYES] [bayes: tpoisson](#), [FMM] [fmm: tpoisson](#), [R] [tpoisson](#)
 - with sample selection, [R] [heckpoisson](#)
 - zero-inflated, [BAYES] [bayes: zip](#), [R] [zip](#)
- poisson command, [R] [nbreg](#), [R] [poisson](#), [R] [poisson postestimation](#)
- poisson() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- poissonp() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- poissontail() function, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- poivregress command, [LASSO] [Inference examples](#), [LASSO] [lasso inference postestimation](#), [LASSO] [poivregress](#)
- polar coordinates, [D] [range](#)
- policy, estat subcommand, [DSGE] [estat policy](#)
- policy matrix, [DSGE] [estat policy](#), [DSGE] [Glossary](#)
- pologit command, [LASSO] [Inference examples](#), [LASSO] [lasso inference postestimation](#), [LASSO] [pologit](#)
- polyadd() function, [M-5] [polyeval\(\)](#)
- polyderiv() function, [M-5] [polyeval\(\)](#)
- polydiv() function, [M-5] [polyeval\(\)](#)
- polyeval() function, [M-5] [polyeval\(\)](#)
- polyinteg() function, [M-5] [polyeval\(\)](#)
- polymorphism, [P] [class](#)

- polymult()** function, [M-5] **polyeval()**
polynomial, [M-5] **polyeval()**
 basis, [R] **npregress series**
 fractional, [R] **fp**, [R] **mfp**
 orthogonal, [R] **orthog**
 smoothing, see **local polynomial**
polyroots() function, [M-5] **polyeval()**
polysolve() function, [M-5] **polyeval()**
polytomous
 item, see **categorical item**
 logistic regression, see **logistic and logit regression**,
 multinomial
 outcome model, see **outcomes**, **polytomous**
polytrim() function, [M-5] **polyeval()**
POMs, see **potential-outcome means**
 pooled effect size, see **overall effect size**
 pooled estimates, [R] **Epitab**
 pooled estimator, [XT] **Glossary**
 pooling step, [MI] **Intro substantive**, [MI] **mi estimate**,
 [MI] **mi estimate using**, [MI] **mi predict**
popoissn command, [LASSO] **Inference examples**,
 [LASSO] **lasso inference postestimation**,
 [LASSO] **popoissn**
population
 attributable risk, [R] **Epitab**
 error, [SEM] **estat gof**, [SEM] **Example 4**
 parameter, [PSS-2] **power**, [PSS-2] **power onemean**,
 [PSS-2] **power twomeans**, [PSS-2] **power**
 pairedmeans, [PSS-2] **power oneproportion**,
 [PSS-2] **power twoproportions**, [PSS-2] **power**
 pairedproportions, [PSS-2] **power onevariance**,
 [PSS-2] **power twovariances**, [PSS-2] **power**
 onecorrelation, [PSS-2] **power twocorrelations**,
 [PSS-2] **power oneway**, [PSS-2] **power twoway**,
 [PSS-2] **power repeated**, [PSS-3] **ciwidth**
 onemean, [PSS-3] **ciwidth twomeans**,
 [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth**
 onevariance, [PSS-4] **Unbalanced designs**
 pyramid, [G-2] **graph twoway bar**
 size, [PSS-2] **power**, [PSS-2] **power onemean**,
 [PSS-2] **power pairedmeans**, [PSS-3] **ciwidth**
 onemean, [PSS-3] **ciwidth pairedmeans**
 standard deviation, see **subpopulation**, **standard**
 deviations of
 standard errors, [ERM] **Intro 5**
 population-averaged model, [XT] **xtcloglog**, [XT] **xtgee**,
 [XT] **xtlogit**, [XT] **xtnbreg**, [XT] **xtpoisson**,
 [XT] **xtprobit**, [XT] **xtreg**, [XT] **Glossary**
 populations,
 diagnostic plots, [R] **Diagnostic plots**
 examining, [R] **histogram**, [R] **lv**, [R] **spikeplot**,
 [R] **stem**, [R] **summarize**, [R] **table**
 standard, [R] **dstdize**
 testing equality of, see **distributions**, **testing equality**
 of
 testing for normality, [R] **sktest**, [R] **swilk**
 poregress command, [LASSO] **Inference examples**,
 [LASSO] **lasso inference postestimation**,
 [LASSO] **poregress**
 Portable Document Format, [G-2] **graph export**,
 [G-4] **Glossary**, [R] **etable**, [R] **translate**,
 [RPT] **docx2pdf**, [RPT] **putpdf intro**,
 [TABLES] **collect export**
 create, [M-5] **Pdf*()**, [RPT] **putpdf begin**,
 [RPT] **putpdf collect**, [RPT] **putpdf pagebreak**,
 [RPT] **putpdf paragraph**, [RPT] **putpdf table**
 Portable Network Graphics, [G-2] **graph export**,
 [G-3] **png_options**, [G-4] **Glossary**
 portmanteau statistic, [TS] **corrgram**, [TS] **wntestq**,
 [TS] **Glossary**
 positive effect size, [PSS-2] **power**, [PSS-5] **Glossary**
 post,
 frame subcommand, [P] **frame post**
 post command, [P] **postfile**
 post, ereturn subcommand, [P] **ereturn**,
 [P] **makecns**, [P] **return**
 postclose command, [P] **postfile**
 posterior
 distribution, [BAYES] **Intro**, [BAYES] **Bayesian**
 commands, [BAYES] **bayes**, [BAYES] **bayesmh**,
 [BAYES] **Glossary**
 independence, see **independent a posteriori**
 interval, see **credible interval**
 mean, [BAYES] **Intro**, [BAYES] **Bayesian**
 commands, [BAYES] **bayes**, [BAYES] **bayesmh**,
 [BAYES] **bayesstats summary**, [IRT] **irt 1pl**
 postestimation, [IRT] **irt 2pl postestimation**,
 [IRT] **irt 3pl postestimation**, [IRT] **irt grm**
 postestimation, [IRT] **irt nrm postestimation**,
 [IRT] **irt pcm postestimation**, [IRT] **irt rsm**
 postestimation, [IRT] **irt hybrid postestimation**,
 [IRT] **Glossary**, [ME] **mecloglog postestimation**,
 [ME] **meglm postestimation**, [ME] **meintreg**
 postestimation, [ME] **melogit postestimation**,
 [ME] **menbreg postestimation**, [ME] **meologit**
 postestimation, [ME] **meoprobit postestimation**,
 [ME] **mepoisson postestimation**, [ME] **meprobit**
 postestimation, [ME] **mestreg postestimation**,
 [ME] **metobit postestimation**, [ME] **Glossary**
 mode, [BAYES] **Intro**, [IRT] **irt 1pl postestimation**,
 [IRT] **irt 2pl postestimation**, [IRT] **irt 3pl**
 postestimation, [IRT] **irt grm postestimation**,
 [IRT] **irt nrm postestimation**, [IRT] **irt**
 pcm postestimation, [IRT] **irt rsm**
 postestimation, [IRT] **irt hybrid postestimation**,
 [IRT] **Glossary**, [ME] **mecloglog postestimation**,
 [ME] **meglm postestimation**, [ME] **meintreg**
 postestimation, [ME] **melogit postestimation**,
 [ME] **menbreg postestimation**, [ME] **meologit**
 postestimation, [ME] **meoprobit postestimation**,
 [ME] **mepoisson postestimation**, [ME] **meprobit**
 postestimation, [ME] **mestreg postestimation**,
 [ME] **metobit postestimation**, [ME] **Glossary**
 odds, [BAYES] **Intro**, [BAYES] **Bayesian**
 commands, [BAYES] **bayesstats ic**,
 [BAYES] **bayestest model**, [BAYES] **Glossary**
 predictive
 checking, [BAYES] **Glossary**
 distribution, [BAYES] **Intro**, [BAYES] **Glossary**

posterior predictive, *continued*

p-value, [BAYES] Intro, [BAYES] Bayesian commands, [BAYES] bayesmh, [BAYES] Bayesian postestimation, [BAYES] bayesstats, [BAYES] bayesstats pvalues, [BAYES] bayespredict, [BAYES] Glossary

probabilities, [BAYES] Intro, [BAYES] Bayesian commands, [BAYES] bayesmh, [BAYES] bayestest interval, [BAYES] bayestest model, [MV] Glossary

standard deviation, [BAYES] bayes, [BAYES] bayesmh, [BAYES] bayesstats summary

postest command, [R] postest

postestimation command,

Bayesian,

[BAYES] bayesgraph, [BAYES] bayesstats ess, [BAYES] bayesstats grubin, [BAYES] bayesstats ic, [BAYES] bayesstats pvalues, [BAYES] bayesstats summary, [BAYES] bayestest interval, [BAYES] bayestest model, [BAYES] bayespredict, [BAYES] bayesvarstable, [BAYES] bayesfcst compute, [BAYES] bayesfcst graph, [BAYES] bayesirf, [BAYES] bayesirf create

dynamic stochastic general equilibrium,

[DSGE] estat covariance, [DSGE] estat policy, [DSGE] estat stable, [DSGE] estat steady, [DSGE] estat transition

estat, [CM] cmmprobit postestimation,

[CM] cmroprobit postestimation, [CM] nlogit postestimation, [DSGE] estat covariance, [DSGE] estat policy, [DSGE] estat stable, [DSGE] estat steady, [DSGE] estat transition, [ERM] estat teffects, [FMM] estat eform, [FMM] estat lmean, [FMM] estat lprob, [IRT] estat report, [IRT] estat greport, [ME] estat df, [ME] estat group, [ME] estat icc, [ME] estat recovariance, [ME] estat sd, [ME] estat wcorrelation, [META] estat heterogeneity, [META] estat recovariance, [META] estat sd, [MV] ca postestimation, [MV] canon postestimation, [MV] discrim estat, [MV] factor postestimation, [MV] mca postestimation, [MV] mds postestimation, [MV] pca postestimation, [MV] procrustes postestimation, [P] estat programming, [R] bootstrap postestimation, [R] estat, [R] estat classification, [R] estat gof, [R] estat ic, [R] estat summarize, [R] estat vce, [R] exlogistic postestimation, [R] expoisson postestimation, [R] gmm postestimation, [R] ivpoisson postestimation, [R] ivregress postestimation, [R] poisson postestimation, [R] regress postestimation, [R] regress postestimation time series, [R] rocreg postestimation, [SEM] estat eform, [SEM] estat eqgof, [SEM] estat eqtest, [SEM] estat framework, [SEM] estat ggof, [SEM] estat ginvariant, [SEM] estat gof,

postestimation command, estat, *continued*

[SEM] estat lgof, [SEM] estat lmean, [SEM] estat lprob, [SEM] estat mindices, [SEM] estat residuals, [SEM] estat scoretests, [SEM] estat sd, [SEM] estat stable, [SEM] estat stdize, [SEM] estat summarize, [SEM] estat teffects, [SP] estat moran, [SP] spivregress postestimation, [SP] sprepress postestimation, [SP] spxtregress postestimation, [ST] stcox PH-assumption tests, [ST] stcox postestimation, [ST] stintreg postestimation, [SVY] estat, [TS] estat acplot, [TS] estat aroofs, [TS] estat sbcusum, [TS] estat sbknown, [TS] estat sbsingle, [TS] ucm postestimation, [XT] xtabond postestimation, [XT] xtdpd postestimation, [XT] xtdpdsys postestimation, [XT] xtgee postestimation

extended regression model, [ERM] estat teffects

finite mixture model, [FMM] estat eform,

[FMM] estat lmean, [FMM] estat lprob

interface, [R] postest

item response theory, [IRT] estat report, [IRT] estat greport, [IRT] irtgraph icc, [IRT] irtgraph tcc, [IRT] irtgraph iif, [IRT] irtgraph tif

lasso, [LASSO] bicplot, [LASSO] coefpath,

[LASSO] cvplot, [LASSO] lassocoeff,

[LASSO] lassogof, [LASSO] lassoinfo,

[LASSO] lassoknots, [LASSO] lassoselect

multilevel, [ME] estat df, [ME] estat group,

[ME] estat icc, [ME] estat recovariance,

[ME] estat sd, [ME] estat wcorrelation

multiple imputation, [MI] mi predict, [MI] mi test

multivariate, [MV] ca postestimation, [MV] canon postestimation, [MV] discrim estat, [MV] factor postestimation, [MV] mca postestimation, [MV] mds postestimation, [MV] pca postestimation, [MV] procrustes postestimation

panel data, [XT] xtabond postestimation,

[XT] xtdpd postestimation, [XT] xtdpdsys

postestimation, [XT] xtgee postestimation

spatial, [SP] estat moran, [SP] spivregress

postestimation, [SP] sprepress postestimation,

[SP] spxtregress postestimation

standard, [CM] margins, [R] contrast, [R] estat,

[R] estat gof, [R] estat ic, [R] estat summarize,

[R] estat vce, [R] estimates, [R] etable,

[R] hausman, [R] lincom, [R] linktest,

[R] lrtest, [R] margins, [R] margins, contrast,

[R] margins, pwcompare, [R] marginsplot,

[R] nlcom, [R] predict, [R] predictnl,

[R] pwcompare, [R] suest, [R] test, [R] testnl

structural equation modeling, [SEM] estat eform,

[SEM] estat eggof, [SEM] estat eqtest,

[SEM] estat framework, [SEM] estat ggof,

[SEM] estat ginvariant, [SEM] estat gof,

[SEM] estat lgof, [SEM] estat lmean,

[SEM] estat lprob, [SEM] estat mindices,

[SEM] estat residuals, [SEM] estat scoretests,

[SEM] estat sd, [SEM] estat stable, [SEM] estat

stdize, [SEM] estat summarize, [SEM] estat

teffects

postestimation command, *continued*

survey, [SVY] **estat**, [SVY] **svy postestimation**

survival analysis, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stcurve**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**, [ST] **stintreg postestimation**

time series, [BAYES] **bayesvarstable**, [BAYES] **bayescast graph**, [BAYES] **bayesirf**, [TS] **estat acplot**, [TS] **estat aroots**, [TS] **estat sbcusum**, [TS] **estat sbknown**, [TS] **estat sbsingle**, [TS] **fcast compute**, [TS] **fcast graph**, [TS] **irf**, [TS] **psdensity**, [TS] **ucm postestimation**, [TS] **vargranger**, [TS] **varlmar**, [TS] **varnorm**, [TS] **varsoc**, [TS] **varstable**, [TS] **varwle**, [TS] **veclmar**, [TS] **vecnorm**, [TS] **vecstable**

treatment effects, [TE] **tebalance box**, [TE] **tebalance density**, [TE] **tebalance overid**, [TE] **tebalance summarize**, [TE] **teoverlap**

Postestimation Selector, [R] **postest**

postfile command, [P] **postfile**

postlasso coefficients, [LASSO] **Glossary**

PostScript, [G-2] **graph export**, [G-3] **eps_options**, [G-3] **ps_options**, [G-4] **Glossary**

poststratification, [SVY] **Poststratification**, [SVY] **Glossary**

postulated value, [PSS-2] **power**, [PSS-5] **Glossary**

postutil

clear command, [P] **postfile**

dir command, [P] **postfile**

potential covariates, see covariates

potential outcome, [ERM] **Intro 7**, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [ERM] **Glossary**, [TE] **eteffects**, [TE] **etpoisson**, [TE] **etpoisson postestimation**, [TE] **etregress**, [TE] **tebalance box**, [TE] **tebalance density**, [TE] **tebalance overid**, [TE] **tebalance summarize**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **teffects ipw**, [TE] **teffects ipwra**, [TE] **teffects nnmatch**, [TE] **teffects postestimation**, [TE] **teffects psmatch**, [TE] **teffects ra**, [TE] **telasso**, [TE] **teoverlap**, [TE] **Glossary**

potential spillover effects, see spillover effects

potential-outcome means, [ERM] **Intro 5**, [ERM] **Intro 7**, [ERM] **predict treatment**, [ERM] **Glossary**, [TE] **eteffects**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects aipw**, [TE] **teffects ipw**, [TE] **teffects ipwra**, [TE] **teffects multivalued**, [TE] **teffects ra**, [TE] **telasso**, [TE] **Glossary**

survival time, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects ra**, [TE] **stteffects wra**

poverty indices, [R] **Inequality**

power, [M-2] **op_arith**, [M-2] **op_colon**, [M-5] **matpowersym()**, [PSS-5] **Glossary**, [ST] **Glossary**, [U] **19.3 The power command**, [U] **27.32 Power, precision, and sample-size analysis**

and sample-size analysis, [PSS-2] **GUI (power)**, [PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

goals of, [PSS-1] **Intro**, [PSS-2] **Intro (power)**

autoregressive conditional heteroskedasticity, [TS] **arch**

curve, [PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-2] **power graph**, [PSS-5] **Glossary**

function, [PSS-2] **Intro (power)**, [PSS-5] **Glossary**

graphical output, see power curve

regress, [PSS-2] **power**, [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**

tabular output, [PSS-2] **power table**

transformations, [R] **boxcox**, [R] **lnskew0**

user-defined, [PSS-2] **power usermethod**

power

cmh command, [PSS-2] **power cmh**

command, [PSS-1] **Intro**, [PSS-2] **Intro (power)**, [PSS-2] **GUI (power)**, [PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-2] **power graph**, [PSS-2] **power table**

cox command, [PSS-2] **power cox**

exponential command, [PSS-2] **power exponential**

logrank command, [PSS-2] **power logrank**, [PSS-2] **power logrank cluster**

mcc command, [PSS-2] **power mcc**

onecorrelation command, [PSS-2] **power onecorrelation**

onemean command, [PSS-2] **power onemean**, [PSS-2] **power onemean cluster**

oneproportion command, [PSS-2] **power oneproportion**, [PSS-2] **power oneproportion cluster**

oneslope command, [PSS-2] **power oneslope**
onevariance command, [PSS-2] **power onevariance**

oneway command, [PSS-2] **power oneway**

pairedmeans command, [PSS-2] **power pairedmeans**

power, *continued*

pairedproportions command, [PSS-2] **power pairedproportions**

pcorr command, [PSS-2] **power pcorr**

repeated command, [PSS-2] **power repeated**

rsquared command, [PSS-2] **power rsquared**

trend command, [PSS-2] **power trend**

twocorrelations command, [PSS-2] **power twocorrelations**

twomeans command, [PSS-2] **power twomeans**, [PSS-2] **power twomeans, cluster**

twoproportions command, [PSS-2] **power twoproportions**, [PSS-2] **power twoproportions, cluster**

twovariances command, [PSS-2] **power twovariances**

two-way command, [PSS-2] **power two-way**

power, raise to, function, see arithmetic operators

pperron command, [TS] **pperron**

ppvalues, bayesstats subcommand, [BAYES] **bayesstats ppvalues**

pragma, [M-2] **pragma**, [M-6] **Glossary**

pragma unset, [M-2] **pragma**

pragma unused, [M-2] **pragma**

prais command, [TS] **prais**, [TS] **prais postestimation**

Prais–Winsten regression, [TS] **prais**, [TS] **prais postestimation**, [TS] **Glossary**, [XT] **xtpcse**

precision, see numerical precision

and sample-size analysis, [PSS-3] **GUI** (**ciwidth**), [PSS-3] **ciwidth**, [PSS-3] **ciwidth usermethod**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

goals of, [PSS-1] **Intro**, [PSS-3] **Intro** (**ciwidth**)

curve, [PSS-3] **ciwidth, graph**

determination, [PSS-3] **ciwidth usermethod**

graphical output, see precision curve

of a confidence interval, see confidence-interval precision

tabular output, [PSS-3] **ciwidth, table**

predetermined variable, [DSGE] **Glossary**, [XT] **Glossary**

—predict command, [P] **—predict**

predict command, [ERM] **Intro 4**, [ERM] **Intro 7**, [ERM] **eintreg predict**, [ERM] **eoprobit predict**, [ERM] **eprobit predict**, [ERM] **eregress predict**, [ERM] **predict advanced**, [ERM] **predict treatment**, [P] **ereturn**, [P] **—estimates**, [R] **predict**, [R] **regress postestimation**, [SEM] **Intro 7**, [SEM] **Example 14**, [SEM] **Example 28g**, [SEM] **predict after gsem**, [SEM] **predict after sem**, [SVY] **svy postestimation**, [TE] **stteffects postestimation**, [TE] **teffects postestimation**, [U] **20.11 Obtaining predicted values**

predict, estat subcommand, [R] **exlogistic postestimation**

predict, mi subcommand, [MI] **mi predict**

prediction interval, [META] **Glossary**

predictions, [LASSO] **Lasso inference intro**, [LASSO] **Glossary**, [R] **predict**, [R] **predictnl**, [SVY] **svy postestimation**, see multiple imputation, prediction

obtaining after estimation, [MI] **mi predict**, [P] **—predict**

standard error of, [R] **glm**, [R] **predict**, [R] **regress postestimation**

predictive

distribution, see posterior predictive distribution, see prior predictive distribution

inference, [BAYES] **bayesstats ppvalues**, [BAYES] **bayespredict**, [BAYES] **Glossary**

margins, [SVY] **Glossary**, [U] **20.16 Obtaining marginal means, adjusted predictions, and predictive margins**

mean matching imputation, see imputation, predictive mean matching

outcome, [BAYES] **Glossary**

predictive modeling, [LASSO] **Glossary**

predictnl command, [R] **predictnl**, [SVY] **svy postestimation**

predictnl, mi subcommand, [MI] **mi predict**

prefix command, [BAYES] **bayes**, [D] **by**, [D] **frame prefix**, [D] **statsby**, [D] **Glossary**, [FMM] **fmm**, [MI] **mi estimate**, [MI] **mi estimate using**, [R] **bootstrap**, [R] **fp**, [R] **jackknife**, [R] **mfp**, [R] **nestreg**, [R] **permute**, [R] **simulate**, [R] **stepwise**, [R] **xi**, [SVY] **svy**, [TABLES] **collect get**, [TS] **rolling**, [U] **11.1.10 Prefix commands**, [U] **Glossary**

Pregibon delta beta influence statistic, see delta beta influence statistic

preprocessor command, [P] **#delimit**, [R] **#review**

preserve command, [D] **frames intro**, [P] **preserve**

preserve data, [D] **snapshot**, [P] **preserve**

prevalence studies, see case–control data

prevented fraction, [R] **Epitab**

preview,

collect subcommand, [TABLES] **collect preview**

previousbirthday() function, [D] **Datetime relative dates**, [FN] **Date and time functions**, [M-5] **date()**

previousleapyear() function, [D] **Datetime relative dates**, [FN] **Date and time functions**, [M-5] **date()**

prewhiten, [XT] **Glossary**

primary sampling unit, [SVY] **svydescribe**, [SVY] **svyset**, [SVY] **Glossary**

primary study, [META] **Intro**, [META] **Glossary**

priming values, [TS] **arch**, [TS] **Glossary**

principal

component analysis, [MV] **pca**, [MV] **Glossary**

factor method, [MV] **Glossary**, also see communality, also see factor analysis

factors analysis, [MV] **factor**

print command, [R] **translate**

print, graph subcommand, [G-2] **graph print**

- printcolor**, set subcommand, [G-2] **set printcolor**, [R] **set**
- printf()** function, [M-5] **printf()**
- printing graphs, [G-2] **graph print**, [G-3] *pr_options*
- exporting options, [G-2] **graph set**
- settings, [G-2] **graph set**
- printing, logs (output), [R] **translate**, [U] 15 **Saving and printing output—log files**
- prior**
- distribution, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [BAYES] **Glossary**
 - independence, see independent a priori
 - odds, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesstats ic**, [BAYES] **bayestest model**, [BAYES] **Glossary**
 - predictive distribution, [BAYES] **bayespredict**, [BAYES] **Glossary**
 - probabilities, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**, [BAYES] **bayestest model**, [MV] **Glossary**
 - tightness, [BAYES] **Glossary**
- private**, [M-2] **class**
- probability**
- of a type I error, [PSS-2] **power**, [PSS-5] **Glossary**
 - of a type II error, [PSS-2] **power**, [PSS-5] **Glossary**
 - of confidence-interval width, [PSS-3] **Intro** (**ciwidth**), [PSS-5] **Glossary**
 - determination, [PSS-1] **Intro**, [PSS-3] **Intro** (**ciwidth**), [PSS-3] **ciwidth**, [PSS-3] **ciwidth usermethod**, [PSS-3] **ciwidth**, **graph**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-5] **Glossary**
 - weight, see sampling weight
- probability of unit circle inclusion, [BAYES] **Glossary**
- probit** command, [R] **probit**, [R] **probit postestimation**
- probit** regression, [R] **probit**, [SEM] **Glossary**, [SVY] **svy estimation**
- Bayesian, [BAYES] **bayes: biprobit**, [BAYES] **bayes: heckoprobbit**, [BAYES] **bayes: heckprobit**, [BAYES] **bayes: hetoprobbit**, [BAYES] **bayes: hetprobit**, [BAYES] **bayes: meoprobbit**, [BAYES] **bayes: meprobit**, [BAYES] **bayes: mprobit**, [BAYES] **bayes: oprobit**, [BAYES] **bayes: probit**, [BAYES] **bayes: xtprobit**, [BAYES] **bayes: xtprobit**, [BAYES] **bayes: zioprobbit**
 - bivariate, [BAYES] **bayes: biprobit**, [R] **biprobit**
 - extended regression model, [ERM] **Intro 2**, [ERM] **eprobit**, [ERM] **Example 3a**, [ERM] **Example 3b**, [ERM] **Example 4a**, [ERM] **Example 5**
- probit** regression, *continued*
- finite mixture model, [FMM] **fm: oprobit**, [FMM] **fm: probit**
 - generalized estimating equations, [XT] **xtgee**
 - generalized linear model, [FMM] **fm: glm**, [R] **glm**
 - heteroskedastic, [BAYES] **bayes: hetoprobbit**, [BAYES] **bayes: hetprobit**, [R] **hetprobit**
 - multilevel, [BAYES] **bayes: meoprobbit**, [BAYES] **bayes: meprobit**, [ME] **meoprobbit**, [ME] **meprobit**
 - multinomial, [BAYES] **bayes: mprobit**, [CM] **cmmprobit**, [R] **mprobit**
 - ordered, [BAYES] **bayes: heckoprobbit**, [BAYES] **bayes: hetoprobbit**, [BAYES] **bayes: oprobit**, [BAYES] **bayes: xtprobit**, [BAYES] **bayes: zioprobbit**, [ERM] **eoprobit**, [ERM] **Example 3b**, [ERM] **Example 6a**, [ERM] **Example 6b**, [FMM] **fm: oprobit**, [R] **heckoprobbit**, [R] **hetoprobbit**, [R] **oprobit**, [R] **zioprobbit**, [SEM] **Example 35g**
 - population-averaged, [XT] **xtgee**, [XT] **xtprobit**
 - random-effects, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **Example 9**, [XT] **xtprobit**, [XT] **xtprobit**
 - rank-ordered, [CM] **cmoprobit**
 - structural equation modeling, [SEM] **Intro 5**, [SEM] **Example 35g**
 - two-equation, see **probit** regression, bivariate with endogenous covariates, [ERM] **eoprobit**, [ERM] **eprobit**, [R] **ivprobit**, [SVY] **svy estimation**
 - with sample selection, [BAYES] **bayes: heckoprobbit**, [BAYES] **bayes: heckprobit**, [ERM] **eoprobit**, [ERM] **eprobit**, [R] **heckoprobbit**, [R] **heckprobit**, [SVY] **svy estimation**
 - zero-inflated ordered, [R] **zioprobbit**
- procedure codes, [D] **icd**, [D] **icd9p**, [D] **icd10pcs**
- processors, set subcommand, [R] **set**
- procruster command, [MV] **procrustes postestimation**
- procrustes** command, [MV] **procrustes**, [MV] **procrustes postestimation**
- Procrustes rotation, [MV] **procrustes**, [MV] **Glossary**
- Procrustes transformation, see Procrustes rotation
- product, [M-2] **op_arith**, [M-2] **op_colon**, [M-2] **op_kronecker**, [M-5] **cross()**, [M-5] **crossdev()**, [M-5] **quaddcross()**
- production**
- frontier model, [R] **frontier**, [XT] **xtfrontier**
 - function, [XT] **Glossary**
- product-moment correlation, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [R] **correlate**
- between ranks, [R] **spearman**
- profile likelihood function, [ST] **Glossary**
- profile log likelihood, [ST] **stintcox**
- profile plots, [R] **marginsplot**

- profiles, estat subcommand, [MV] **ca postestimation**
- program
 - define command, [P] **plugin**, [P] **program**, [P] **program properties**
 - dir command, [P] **program**
 - drop command, [P] **program**
 - list command, [P] **program**
- program properties, [P] **program properties**
- programmer's commands and utilities, [MI] **mi select**, [MI] **Styles**, [MI] **Technical**
- programming, [P] **syntax**
 - Bayesian user-defined evaluator, [BAYES] **bayesmh evaluators**
 - ciwidth methods, [PSS-3] **ciwidth usermethod**
 - cluster analysis, [MV] **cluster programming utilities**
 - cluster subcommands, [MV] **cluster programming subroutines**
 - cluster utilities, [MV] **cluster programming subroutines**
 - dialog, [P] **Dialog programming**
 - estat, [P] **estat programming**
 - estimation commands, [P] **Estimation command functions**, [FN] **Programming functions**, [M-4] **Programming**
 - limits, [R] **Limits**
 - linear, [M-5] **LinearProgram()**
 - Mac, [P] **window programming**, [P] **window fopen**, [P] **window manage**, [P] **window menu**, [P] **window push**, [P] **window stopbox**
 - matrix, see **matrices** (via Mata matrix language), see **matrices** (via Stata commands)
 - menus, [P] **window programming**, [P] **window menu**
 - multiple-imputation method, [MI] **mi impute usermethod**
 - power methods, [PSS-2] **power usermethod**
 - rotations, [MV] **rotate**
 - spatial weighting matrix, [SP] **spmatrix userdefined**
 - use, [M-1] **Ado**
 - Windows, [P] **window programming**, [P] **window fopen**, [P] **window manage**, [P] **window menu**, [P] **window push**, [P] **window stopbox**
- programs, clear subcommand, [D] **clear**
- programs,
 - adding comments to, [P] **comments**
 - community-contributed, see **ado-files**
 - debugging, [P] **trace**
 - dropping, [P] **discard**
 - looping, [P] **continue**
- Project Manager, [P] **Project Manager**
- projection matrix, diagonal elements of, [R] **binreg postestimation**, [R] **clogit postestimation**, [R] **glm postestimation**, [R] **logistic postestimation**, [R] **logit postestimation**, [R] **regress postestimation**, [R] **rreg postestimation**
- projection plot, [G-2] **graph twoway contour**, [G-2] **graph twoway contourline**
- projmanager command, [P] **Project Manager**
- promax power rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- promax rotation, [MV] **rotate**
- propensity score, [TE] **stteffects postestimation**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects postestimation**, [TE] **teffects psmatch**, [TE] **Glossary**
- propensity-score matching, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects psmatch**, [TE] **Glossary**
- proper imputation method, [MI] **Intro substantive**
- proper values, [M-5] **eigensystem()**
- properties, [P] **program properties**
- properties macro function, [P] **macro**
- proportion command, [R] **proportion**, [R] **proportion postestimation**
- proportional
 - hazards model, [ST] **Glossary**, [SVY] **svy estimation**, also see **Cox proportional hazards model**, see **survival analysis**
 - odds assumption, [FMM] **fm: ologit**, [R] **ologit relaxed**, [R] **slogit**
 - odds model, [BAYES] **bayes: ologit**, [BAYES] **bayes: xtologit**, [FMM] **fm: ologit**, [R] **ologit**
 - sampling, [D] **sample**, [D] **splitsample**, [R] **bootstrap**
- proportions, [PSS-2] **power**
 - confidence intervals for, [R] **ci**
 - control-group, [PSS-2] **power twoproportions**, [PSS-2] **power cmh**
 - correlated, see **proportions, paired**
 - discordant, [PSS-2] **power pairedproportions**
 - estimating, [R] **proportion**, [U] **27.2 Means, proportions, and related statistics**
 - experimental-group, [PSS-2] **power twoproportions**, [PSS-2] **power cmh**
 - independent, see **proportions, two-sample**
 - marginal, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**
 - of exposed cases, [PSS-2] **power mcc**
 - of exposed controls, [PSS-2] **power mcc**
 - one-sample, [PSS-2] **power oneproportion**
 - cluster randomized design, [PSS-2] **power oneproportion, cluster**
 - paired, [PSS-2] **power pairedproportions**
 - stratified test, [PSS-2] **power cmh**
 - survey data, [SVY] **svy estimation**, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**
 - test of marginal homogeneity, [PSS-2] **power mcc**
 - testing equality of, [R] **bitest**, [R] **prtest**
 - two-sample, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**
 - cluster randomized design, [PSS-2] **power twoproportions, cluster**

- proportions,
 - ci subcommand, [R] [ci](#)
 - cii subcommand, [R] [cii](#)
- proposal distribution, [BAYES] [Intro](#),
[BAYES] [bayesmh](#), [BAYES] [bayesgraph](#),
[BAYES] [Glossary](#)
- prospective study, [PSS-2] [power](#), [PSS-3] [ciwidth](#),
[PSS-5] [Glossary](#), [R] [Epitab](#), also see [cohort study](#)
- protected, [M-2] [class](#)
- proximity, [MV] [Glossary](#)
 - data, [MV] [mds](#), [MV] [mdslong](#), [MV] [mdsmat](#)
 - matrix, [MV] [mdsmat](#), [MV] [Glossary](#), also see [distance matrix](#)
 - measure, [MV] [Glossary](#)
- PrSS analysis, see [precision and sample-size analysis](#)
- prtest command, [R] [prtest](#)
- prtesti command, [R] [prtest](#)
- PS, see [PostScript](#)
- psdensity command, [TS] [psdensity](#)
- pseudo confidence interval, [META] [meta funnelplot](#),
[META] [Glossary](#)
- pseudo R^2 , [R] [Maximize](#)
- pseudocovergence, [BAYES] [Intro](#),
[BAYES] [bayesmh](#), [BAYES] [bayesgraph](#),
[BAYES] [Glossary](#)
- pseudofunctions, [D] [Datetime](#), [FN] [Programming functions](#), [FN] [Random-number functions](#)
- pseudoguessing parameter, [IRT] [irt 3pl](#)
- pseudoinverse, [M-5] [pinv\(\)](#)
- pseudolikelihood, [SVY] [Glossary](#)
- pseudosigmas, [R] [lv](#)
- psi function, [FN] [Mathematical functions](#),
[M-5] [factorial\(\)](#)
- psmatch, teffects subcommand, [TE] [teffects](#)
[psmatch](#)
- PSS analysis, see [power and sample-size analysis](#)
- PSS Control Panel, [PSS-2] [GUI \(power\)](#), [PSS-3] [GUI \(ciwidth\)](#), [PSS-5] [Glossary](#)
- pstyle, [G-4] [pstyle](#), [G-4] [Glossary](#)
- pstyle() option, [G-2] [graph twoway scatter](#),
[G-3] [rspike_options](#), [G-4] [pstyle](#)
- PSU, see [primary sampling unit](#)
- .ptrace file, [MI] [mi impute mvn](#), [MI] [mi ptrace](#)
- ptrace, mi subcommand, [MI] [mi ptrace](#)
- ptrends, estat subcommand, [TE] [didregress](#)
[postestimation](#)
- public, [M-2] [class](#)
- publication bias, [META] [Intro](#), [META] [meta](#),
[META] [meta funnelplot](#), [META] [meta bias](#),
[META] [meta trimfill](#), [META] [Glossary](#)
- push, window subcommand, [P] [window programming](#), [P] [window push](#)
- put, frame subcommand, [D] [frame put](#)
- putdocx
 - append command, [RPT] [putdocx begin](#)
 - begin command, [RPT] [putdocx begin](#),
[RPT] [putdocx paragraph](#)
- putdocx, *continued*
 - clear command, [RPT] [putdocx begin](#)
 - collect command, [RPT] [putdocx collect](#)
 - command, [RPT] [putdocx intro](#), [RPT] [putdocx collect](#), [RPT] [putdocx paragraph](#),
[RPT] [putdocx table](#)
 - describe command, [RPT] [putdocx begin](#),
[RPT] [putdocx table](#)
 - image command, [RPT] [putdocx paragraph](#)
 - pagebreak command, [RPT] [putdocx pagebreak](#)
 - pagenumber command, [RPT] [putdocx paragraph](#)
 - paragraph command, [RPT] [putdocx paragraph](#)
 - save command, [RPT] [putdocx begin](#)
 - sectionbreak command, [RPT] [putdocx pagebreak](#)
 - table command, [RPT] [putdocx table](#)
 - text command, [RPT] [putdocx paragraph](#)
 - textblock append command, [RPT] [putdocx paragraph](#)
 - textblock begin command, [RPT] [putdocx paragraph](#)
 - textblock end command, [RPT] [putdocx paragraph](#)
 - textfile command, [RPT] [putdocx paragraph](#)
- putdocx, query subcommand, [R] [query](#)
- putexcel
 - clear command, [RPT] [putexcel](#), [RPT] [putexcel advanced](#)
 - command, [RPT] [putexcel](#), [RPT] [putexcel advanced](#)
 - describe command, [RPT] [putexcel](#),
[RPT] [putexcel advanced](#)
 - set command, [RPT] [putexcel](#), [RPT] [putexcel advanced](#)
- putmata command, [D] [putmata](#)
- putpdf
 - begin command, [RPT] [putpdf begin](#)
 - clear command, [RPT] [putpdf begin](#)
 - collect command, [RPT] [putpdf collect](#)
 - command, [RPT] [putpdf intro](#), [RPT] [putpdf begin](#),
[RPT] [putpdf collect](#), [RPT] [putpdf pagebreak](#),
[RPT] [putpdf paragraph](#), [RPT] [putpdf table](#)
 - describe command, [RPT] [putpdf begin](#)
 - image command, [RPT] [putpdf paragraph](#)
 - pagebreak command, [RPT] [putpdf pagebreak](#)
 - paragraph command, [RPT] [putpdf paragraph](#)
 - save command, [RPT] [putpdf begin](#)
 - sectionbreak command, [RPT] [putpdf pagebreak](#)
 - table command, [RPT] [putpdf table](#)
 - text command, [RPT] [putpdf paragraph](#)
- p-value, [PSS-5] [Glossary](#)
- pwcompare command, [R] [pwcompare](#),
[R] [pwcompare postestimation](#), [SEM] [Intro 7](#),
[SVY] [svy postestimation](#), [U] [20.18 Obtaining pairwise comparisons](#)
- pwcorr command, [R] [correlate](#)
- pwd command, [D] [cd](#)
- pwd() function, [M-5] [chdir\(\)](#)

pweight, see **sampling weight**
[pweight=exp] modifier, [U] 11.1.6 **weight**,
 [U] 20.24.3 **Sampling weights**
pwf command, [D] **frame pwf**
pwf, **frame** subcommand, [D] **frame pwf**
pwmean command, [R] **pwmean**, [R] **pwmean**
postestimation
pyramid, **population**, [G-2] **graph twoway bar**
PyStata, [P] **PyStata intro**, [P] **PyStata integration**,
 [P] **PyStata module**, [P] **Glossary**
Python, [P] **PyStata intro**, [P] **PyStata integration**,
 [P] **PyStata module**
python
 clear command, [P] **PyStata integration**
 command, [P] **PyStata integration**
 describe command, [P] **PyStata integration**
 drop command, [P] **PyStata integration**
 query command, [P] **PyStata integration**
 script command, [P] **PyStata integration**
 search command, [P] **PyStata integration**
 set exec command, [P] **PyStata integration**
 set userpath command, [P] **PyStata integration**
 which command, [P] **PyStata integration**
python, **query** subcommand, [R] **query**
python: command, [P] **PyStata integration**
python_exec, **set** subcommand, [P] **PyStata**
integration, [R] **set**
python_userpath, **set** subcommand, [P] **PyStata**
integration, [R] **set**

Q

Q-Q plot, [R] **Diagnostic plots**
Q statistic, [META] **meta forestplot**, [META] **meta**
summarize, [META] **meta regress**,
 [META] **meta mvregress**, [META] **Glossary**,
 also see **portmanteau** statistic
qc charts, see **quality** control charts
qchi command, [R] **Diagnostic plots**
QDA, see **quadratic discriminant analysis**
qda, **discrim** subcommand, [MV] **discrim qda**
qfit, **graph twoway** subcommand, [G-2] **graph**
twoway qfit
qfitci, **graph twoway** subcommand, [G-2] **graph**
twoway qfitci
qladder command, [R] **ladder**
QML, see **quasimaximum likelihood**
qnorm command, [R] **Diagnostic plots**
qofd() function, [D] **Datetime**, [FN] **Date and time**
functions, [M-5] **date()**
qqplot command, [R] **Diagnostic plots**
QR decomposition, [M-5] **qrd()**, [ME] **Glossary**
qrd() function, [M-5] **qrd()**
qrdp() function, [M-5] **qrd()**
qreg command, [R] **qreg**, [R] **qreg postestimation**
_qrinvc() function, [M-5] **qrinvc()**
qrinvc() function, [M-5] **qrinvc()**
_qrsolve() function, [M-5] **qrsolve()**

qrsolve() function, [M-5] **qrsolve()**
quad precision, [M-5] **mean()**, [M-5] **quadcross()**,
 [M-5] **runningsum()**, [M-5] **sum()**
quadchk command, [XT] **quadchk**
quadcolsum() function, [M-5] **sum()**
quadcorrelation() function, [M-5] **mean()**
quadcross() function, [M-5] **quadcross()**
quadcrossdev() function, [M-5] **quadcross()**
quadmeanvariance() function, [M-5] **mean()**
quadrant() function, [M-5] **sign()**
quadratic discriminant analysis, [MV] **discrim qda**,
 [MV] **Glossary**
quadratic terms, [SVY] **svy postestimation**
quadrature, [IRT] **Glossary**, [SEM] **Glossary**,
 [XT] **Glossary**
 adaptive Simpson, [M-5] **Quadrature()**
 Gauss-Hermite, [IRT] **irt 1pl**, [IRT] **irt 2pl**,
 [IRT] **irt 3pl**, [IRT] **irt grm**, [IRT] **irt nrm**,
 [IRT] **irt pcm**, [IRT] **irt rsm**, [IRT] **irt hybrid**,
 [IRT] **irt, group()**, [IRT] **Glossary**, [ME] **me**,
 [ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**,
 [ME] **melogit**, [ME] **menbreg**, [ME] **meologit**,
 [ME] **meoprobit**, [ME] **mepoisson**,
 [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,
 [ME] **Glossary**, [R] **Estimation options**,
 [SEM] **Intro 12**, [SEM] **gsem estimation**
 options, [SEM] **Methods and formulas for**
 gsem, [XT] **quadchk**
 Gauss-Kronrod, [M-5] **Quadrature()**
 mean-variance adaptive Gauss-Hermite,
 [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**,
 [IRT] **irt grm**, [IRT] **irt nrm**, [IRT] **irt**
 pcm, [IRT] **irt rsm**, [IRT] **irt hybrid**,
 [IRT] **irt, group()**, [IRT] **Glossary**, [ME] **me**,
 [ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**,
 [ME] **melogit**, [ME] **menbreg**, [ME] **meologit**,
 [ME] **meoprobit**, [ME] **mepoisson**,
 [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,
 [ME] **Glossary**, [R] **Estimation options**,
 [SEM] **Intro 12**, [SEM] **gsem estimation**
 options, [SEM] **Methods and formulas for**
 gsem, [XT] **quadchk**
 mode-curvature adaptive Gauss-Hermite,
 [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**,
 [IRT] **irt grm**, [IRT] **irt nrm**, [IRT] **irt**
 pcm, [IRT] **irt rsm**, [IRT] **irt hybrid**,
 [IRT] **irt, group()**, [IRT] **Glossary**, [ME] **me**,
 [ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**,
 [ME] **melogit**, [ME] **menbreg**, [ME] **meologit**,
 [ME] **meoprobit**, [ME] **mepoisson**,
 [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**,
 [ME] **Glossary**, [R] **Estimation options**,
 [SEM] **Intro 12**, [SEM] **gsem estimation**
 options, [SEM] **Methods and formulas for**
 gsem
 nonadaptive Gauss-Hermite, see **quadrature**, **Gauss-Hermite**
Quadrature() function, [M-5] **Quadrature()**
quadrowsum() function, [M-5] **sum()**
_quadrunningsum() function, [M-5] **runningsum()**
quadrunningsum() function, [M-5] **runningsum()**

- quadsum() function, [M-5] **sum()**
- quadvvariance() function, [M-5] **mean()**
- qualitative dependent variables, [U] **27.4 Binary outcomes**, [U] **27.6 Ordinal outcomes**, [U] **27.7 Categorical outcomes**, [U] **27.15.3 Discrete outcomes with panel data**
- Bayesian estimation, [BAYES] **bayesmh**, [BAYES] **bayes: binreg**, [BAYES] **bayes: bprobit**, [BAYES] **bayes: clogit**, [BAYES] **bayes: cloglog**, [BAYES] **bayes: glm**, [BAYES] **bayes: heckoprobit**, [BAYES] **bayes: heckoprobit**, [BAYES] **bayes: hetoprobit**, [BAYES] **bayes: hetprobit**, [BAYES] **bayes: logistic**, [BAYES] **bayes: logit**, [BAYES] **bayes: meclolog**, [BAYES] **bayes: melogit**, [BAYES] **bayes: meologit**, [BAYES] **bayes: meoprobit**, [BAYES] **bayes: meprobit**, [BAYES] **bayes: mlogit**, [BAYES] **bayes: mprobit**, [BAYES] **bayes: ologit**, [BAYES] **bayes: oprobit**, [BAYES] **bayes: probit**, [BAYES] **bayes: xtlogit**, [BAYES] **bayes: xtologit**, [BAYES] **bayes: xtoprobit**, [BAYES] **bayes: xtprobit**
- Brier score decomposition, [R] **brier**
- choice model
 - conditional logit, [CM] **cmclogit**
 - mixed logit, [CM] **cmmixlogit**, [CM] **cmxtmixlogit**
 - multinomial probit, [CM] **cmmprobit**
 - nested logistic, [CM] **nllogit**
 - panel data, [CM] **cmxtmixlogit**
 - rank-ordered logistic, [CM] **cmrologit**
 - rank-ordered probit, [CM] **cmroprobit**
- complementary log–log regression, [R] **cloglog**
- cumulative sum, [R] **cusum**
- extended regression model, [ERM] **eoprobit**, [ERM] **eprobit**
- finite mixture model, [FMM] **fmml: cloglog**, [FMM] **fmml: glm**, [FMM] **fmml: logit**, [FMM] **fmml: mlogit**, [FMM] **fmml: ologit**, [FMM] **fmml: oprobit**, [FMM] **fmml: probit**
- generalized linear model, [R] **glm**
 - for binomial family, [R] **binreg**
- item response theory, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt grm**, [IRT] **irt nrm**, [IRT] **irt pcm**, [IRT] **irt rsm**, [IRT] **irt hybrid**, [IRT] **irt, group()**
- logistic regression, [R] **logistic**, [R] **logit**
 - conditional, [R] **clogit**
 - exact, [R] **exlogistic**
 - multinomial, [R] **mlogit**
 - ordered, [R] **ologit**
 - skewed, [R] **scobit**
 - stereotype, [R] **slogit**
- multilevel mixed-effects model, [ME] **mecloglog**, [ME] **meglm**, [ME] **melogit**, [ME] **meologit**, [ME] **meoprobit**, [ME] **meprobit**
- qualitative dependent variables, *continued*
 - multinomial
 - logistic regression, [R] **mlogit**
 - probit regression, [R] **mprobit**
 - panel-data model, [ERM] **eoprobit**, [ERM] **eprobit**, [XT] **xtcloglog**, [XT] **xtgee**, [XT] **xtlogit**, [XT] **xtmlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtprobit**
 - probit regression, [R] **probit**
 - bivariate, [R] **biprobit**
 - heteroskedastic, [R] **hetprobit**
 - multinomial, [R] **mprobit**
 - ordered, [R] **heckoprobit**, [R] **hetoprobit**, [R] **oprobit**
 - with endogenous covariates, [R] **ivprobit**
 - with sample selection, [R] **heckprobit**
 - ROC analysis estimation, [R] **rocfit**, [R] **rocreg**
 - survey data, [SVY] **svy estimation**
- quality control charts, [R] **QC**, [R] **serrbar**
- quantile command, [R] **Diagnostic plots**
- quantile–normal plots, [R] **Diagnostic plots**
- quantile plots, [R] **Diagnostic plots**
- quantile–quantile plots, [R] **Diagnostic plots**
- quantile regression, [R] **qreg**
- quantiles, see **percentiles**
- quantiles, estat subcommand, [MV] **mds postestimation**
- quarter() function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] **date()**
- quarterly() function, [D] **Datetime**, [D] **Datetime conversion**, [FN] **Date and time functions**, [M-5] **date()**
- quartimax rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- quartimin rotation, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
- quasimaximum likelihood, [SEM] **Glossary**
- query
 - command, [R] **query**
 - graphics command, [G-2] **set graphics**, [G-2] **set printcolor**, [G-2] **set scheme**, [R] **query**
 - interface command, [R] **query**
 - java subcommand, [P] **Java utilities**
 - java command, [R] **query**
 - lapack command, [R] **query**
 - mata command, [R] **query**
 - memory command, [D] **memory**, [R] **query**
 - network command, [R] **query**
 - other command, [R] **query**
 - output command, [R] **query**
 - putdocx command, [R] **query**
 - python command, [R] **query**
 - rng command, [R] **query**
 - sort command, [R] **query**
 - trace command, [R] **query**
 - unicode command, [R] **query**
 - update command, [R] **query**

query,
 cluster subcommand, [MV] **cluster programming utilities**
 estimates subcommand, [R] **estimates store**
 file subcommand, [P] **file**
 forecast subcommand, [TS] **forecast query**
 graph subcommand, [G-2] **graph query**
 icd10cm subcommand, [D] **icd10cm**
 icd10pcs subcommand, [D] **icd10pcs**
 icd10 subcommand, [D] **icd10**
 icd9 subcommand, [D] **icd9**
 icd9p subcommand, [D] **icd9p**
 log subcommand, [R] **log**
 meta subcommand, [META] **meta update**
 mi subcommand, [MI] **mi describe**
 ml subcommand, [R] **ml**
 net subcommand, [R] **net**
 odbc subcommand, [D] **odbc**
 python subcommand, [P] **PyStata integration**
 translator subcommand, [R] **translate**
 transmap subcommand, [R] **translate**
 update subcommand, [R] **update**
 webuse subcommand, [D] **webuse**
query autolevels, collect subcommand, [TABLES] **collect query**
query cell, collect subcommand, [TABLES] **collect query**
query column, collect subcommand, [TABLES] **collect query**
query composite, collect subcommand, [TABLES] **collect query**
query _cons, collect subcommand, [TABLES] **collect query**
query header, collect subcommand, [TABLES] **collect query**
query html, collect subcommand, [TABLES] **collect query**
query notes, collect subcommand, [TABLES] **collect query**
query putdocx, collect subcommand, [TABLES] **collect query**
query putpdf, collect subcommand, [TABLES] **collect query**
query row, collect subcommand, [TABLES] **collect query**
query showbase, collect subcommand, [TABLES] **collect query**
query showempty, collect subcommand, [TABLES] **collect query**
query showomit, collect subcommand, [TABLES] **collect query**
query stars, collect subcommand, [TABLES] **collect query**
query table, collect subcommand, [TABLES] **collect query**
query tex, collect subcommand, [TABLES] **collect query**

query title, collect subcommand, [TABLES] **collect query**
querybreakintr() function, [M-5] **setbreakintr()**
quietly prefix, [P] **quietly**
quit Mata, [M-3] **end**
quit Stata, see **exit** command
quotes
 to delimit strings, [U] **18.3.5 Double quotes**
 to expand macros, [P] **macro**, [U] **18.3.1 Local macros**

R

r()
 stored results, [U] **18.9 Accessing results calculated by estimation commands**
r() function, [FN] **Programming functions**
r() stored results, [P] **discard**, [P] **return**, [R] **Stored results**, [U] **18.8 Accessing results calculated by other programs**, [U] **18.10.1 Storing results in r()**
r(functions) macro function, [P] **macro**
r(macros) macro function, [P] **macro**
r(matrices) macro function, [P] **macro**
r(scalars) macro function, [P] **macro**
R chart, see **range chart**
R dates, [D] **Datetime values from other software**
R statistic, [META] **estat heterogeneity**
r1title() option, [G-3] **title_options**
r2title() option, [G-3] **title_options**
ra, stteffects subcommand, [TE] **stteffects ra**
ra, teffects subcommand, [ERM] **Example 2a**, [ERM] **Example 2b**, [TE] **teffects ra**
radians, [FN] **Mathematical functions**
raise to a power function, [U] **13.2.1 Arithmetic operators**
Ramsey test, [R] **regress postestimation**
random
 coefficient, [BAYES] **bayesmh**, [ME] **Glossary**
 effects, [BAYES] **Glossary**, [ME] **Glossary**, [PSS-5] **Glossary**, also see **random-effects model**
 linear form, [BAYES] **Glossary**
 parameters, [BAYES] **Glossary**
 variable, [BAYES] **Glossary**
 intercept, [BAYES] **bayesmh**, [ME] **Glossary**, [SEM] **Example 38g**
 model parameter, [BAYES] **Intro**, [BAYES] **Bayesian commands**, [BAYES] **bayesmh**
 numbers, normally distributed, [FN] **Random-number functions**, [M-5] **runiform()**, [R] **set rng**, [R] **set rngstream**, [R] **set seed**, [D] **generate**
 order, test for, [R] **runtest**
 sample, [D] **sample**, [D] **splitsample**, [R] **bootstrap**, [U] **22.3 If you run out of memory**
 slope, [SEM] **Example 38g**
 utility model, [CM] **Intro 8**

random, *continued*

variates, [FN] **Random-number functions**,
[R] **set rng**, [R] **set rngstream**, [R] **set seed**,
[M-5] **runiform()**

walk, [TS] **dflgs**, [TS] **dfuller**, [TS] **pperron**,
[TS] **sspace**, [TS] **tsfilter**, [TS] **tsfilter cf**,
[TS] **ucm**, [TS] **vec intro**, [TS] **Glossary**

random-coefficients model, [U] **27.15.1 Continuous outcomes with panel data**, [XT] **xtcr**,
[XT] **Glossary**

random-effects meta-analysis model, [META] **Intro**,
[META] **meta esize**, [META] **meta set**,
[META] **meta update**, [META] **meta forestplot**,
[META] **meta galbraithplot**, [META] **meta labbeplot**, [META] **meta regress**, [META] **meta funnelplot**, [META] **meta trimfill**, [META] **meta mvregress**, [META] **Glossary**, *also see* meta-analysis random-effects

random-effects meta-regression, [META] **Intro**,
[META] **meta regress**, [META] **meta mvregress**,
[META] **Glossary**

random-effects model, [BAYES] **bayes: xtreg**,
[ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**,
[ERM] **eregress**, [ERM] **Example 7**,
[ERM] **Example 8a**, [ERM] **Example 8b**,
[ERM] **Example 9**, [ERM] **Glossary**,
[ME] **Glossary**, [R] **anova**, [R] **loneway**,
[SEM] **Example 38g**, [SEM] **Glossary**,
[SP] **spxtregress**, [XT] **xtabond**, [XT] **xtcloglog**,
[XT] **xtddpd**, [XT] **xtddpsys**, [XT] **xtgee**,
[XT] **xtheckman**, [XT] **xhtaylor**, [XT] **xtintreg**,
[XT] **xtivreg**, [XT] **xtlogit**, [XT] **xtmlogit**,
[XT] **xtnbreg**, [XT] **xtologit**, [XT] **xtoprobit**,
[XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtreg**,
[XT] **xtregar**, [XT] **xtstreg**, [XT] **xttobit**,
[XT] **Glossary**

multilevel mixed-effects models, [ME] **me**,
[ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**,
[ME] **melogit**, [ME] **menbreg**, [ME] **menl**,
[ME] **meologit**, [ME] **meoprobit**,
[ME] **mepoisson**, [ME] **meprobit**, [ME] **mestreg**,
[ME] **metobit**, [ME] **mixed**

random-effects substitutable expression, [ME] **Glossary**
randomized controlled trial, [META] **Intro**,
[META] **Glossary**

randomized controlled trial study, [PSS-2] **power**,
[PSS-3] **ciwidth**, [PSS-5] **Glossary**

random-number

function, [FN] **Random-number functions**,
[M-5] **runiform()**, [R] **set rng**, [R] **set rngstream**, [R] **set seed**, [D] **generate**

generator, [FN] **Random-number functions**,
[M-5] **runiform()**, [R] **set seed**

generator setting, [R] **set rng**, [R] **set rngstream**
seed, [BAYES] **bayes**, [BAYES] **bayesmh**, [MI] **mi impute**, [R] **set seed**

random-order test, [R] **runtest**

range

chart, [R] **QC**

of data, [CM] **cmsummarize**, [D] **codebook**,
[D] **inspect**, [R] **lv**, [R] **stem**, [R] **summarize**,
[R] **table summary**, [R] **table**, [R] **tabstat**,
[XT] **xtsum**

operators, [M-2] **op_range**

plots, [G-3] **rcap_options**

spikes, [G-3] **rspike_options**

subscripts, *see* subscripts

vector, [M-5] **range()**

range command, [D] **range**

range() function, [M-5] **range()**

rangenc() function, [M-5] **range()**

rank, [M-5] **rank()**, [M-6] **Glossary**

correlation, [R] **spearman**

data, [CM] **cmrologit**

rank(), **egen** function, [D] **egen**

rank() function, [M-5] **rank()**

rank-order statistics, [D] **egen**, [R] **signrank**,
[R] **spearman**

rank-ordered alternatives, [CM] **Glossary**

rank-ordered logistic regression, *see* outcomes, rank

ranks of observations, [D] **egen**

ranksum command, [R] **ranksum**

Rao's canonical-factor method, [MV] **factor**

rarea, graph twoway subcommand, [G-2] **graph twoway rarea**

Rasch models, *see* item response theory

raster image format, *see* image format

rate ratio, [R] **Epitab**, [ST] **stir**, [ST] **stptime**,
[ST] **stsum**, *also see* risk ratio, *see* incidence-rate ratio

rating scale model, [IRT] **irt rsm**, [IRT] **Glossary**

ratio command, [R] **ratio**, [R] **ratio postestimation**

rational expectations, [DSGE] **Glossary**

ratios,

estimating, [R] **ratio**, [U] **27.2 Means, proportions, and related statistics**

sample sizes, *see* allocation ratio

survey data, [SVY] **svy estimation**,

[SVY] **svy: tabulate twoway**

raw data, [U] **12 Data**

.raw file, [U] **11.6 Filenaming conventions**

raw residuals, [SEM] **Methods and formulas for sem**

rbar, graph twoway subcommand, [G-2] **graph twoway rbar**

rbeta() function, [FN] **Random-number functions**,
[M-5] **runiform()**

rbinomial() function, [FN] **Random-number functions**, [M-5] **runiform()**

rc (return codes), *see* error messages and return codes
_rc built-in variable, [P] **capture**, [U] **13.4 System variables (_variables)**

rcap, graph twoway subcommand, [G-2] **graph twoway rcap**

rcapsym, graph twoway subcommand, [G-2] **graph twoway rcapsym**

- rcauchy()** function, [FN] **Random-number functions**, [M-5] **runiform()**
rchart command, [R] **QC**
rchi2() function, [FN] **Random-number functions**, [M-5] **runiform()**
r-class command, [P] **program**, [P] **return**, [U] **18.8 Accessing results calculated by other programs**
r-conformability, [M-5] **normal()**, [M-6] **Glossary**
rconnected, **graph twoway** subcommand, [G-2] **graph twoway rconnected**
RCT, see **randomized controlled trial study**
rdiscrete() function, [M-5] **runiform()**
Re() function, [M-5] **Re()**
read
 console input in programs, see **console**, obtaining input from
 data, [M-5] **_docx*()**, [M-5] **xl()**
 data from disk, see **import data**
read, file subcommand, [P] **file**
real, [M-2] **Declarations**, [M-6] **Glossary**
real() function, [FN] **String functions**
real number to string conversion, [D] **destring**, [D] **encode**, [FN] **String functions**
real part, [M-5] **Re()**
realization, [DSGE] **Glossary**, [M-6] **Glossary**
rebuild, **vl** subcommand, [D] **vl rebuild**
recast command, [D] **recast**
recast() option, [G-3] **advanced_options**, [G-3] **rcap_options**, [G-3] **rspike_options**
receiver operating characteristic analysis, [R] **roc**, [U] **27.4.3 ROC analysis**
 area under ROC curve, [R] **lroc**
 nonparametric analysis without covariates, [R] **roctab**
 parametric analysis without covariates, [R] **rocfit**
 regression models, [R] **rocreg**
 ROC curves after **rocfit**, [R] **rocfit postestimation**
 ROC curves after **rocreg**, [R] **rocregplot**
 test equality of ROC areas, see **equality test of ROC areas**
reciprocal averaging, [MV] **ca**
recode,
 collect subcommand, [TABLES] **collect recode**
recode command, [D] **recode**
recode data, [D] **recode**
recode data autocode() function, [FN] **Programming functions**
recode() function, [FN] **Programming functions**, [U] **26.1.2 Converting continuous variables to categorical variables**
reconstructed correlations, [MV] **factor postestimation**
record I/O versus stream I/O, [U] **22 Entering and importing data**
recording sessions, [U] **15 Saving and printing output—log files**
recovariance, **estat** subcommand, [ME] **estat recovariance**, [ME] **mixed postestimation**, [META] **estat recovariance**
recruitment period, see **accrual period**
rectangle kernel function, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lpoly**, [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**, [R] **qreg**, [TE] **tebalance density**, [TE] **teoverlap**
rectangularize dataset, [D] **fillin**
recursion, [P] **Glossary**
recursive
 estimation, [TS] **rolling**
 model, [ERM] **Glossary**, [SEM] **Glossary**
 regression analysis, [TS] **rolling**, [TS] **Glossary**
 system requirement and solution, [ERM] **Triangularize**
red, green, and blue (RGB) values, [G-4] **colorstyle**, [G-4] **Glossary**
redisplay graph, [G-2] **graph display**
reduced form, [DSGE] **Glossary**
reduced model, [PSS-2] **power**, [PSS-2] **power rsquared**, [PSS-5] **Glossary**
reexpression, [R] **boxcox**, [R] **ladder**, [R] **lnskew0**
.ref built-in class function, [P] **class**
reference
 group, see **control group**
 prior, see **noninformative prior**
 value, see **null value**
references, class, [M-2] **class**, [P] **class**
reflection, [MV] **procrustes**, [MV] **Glossary**
.ref_n built-in class function, [P] **class**
reg3 command, [R] **reg3**, [R] **reg3 postestimation**
regexm() function, [FN] **String functions**
regexr() function, [FN] **String functions**
regexs() function, [FN] **String functions**
regime-switching model, [TS] **mswitch**
regions
 look of, [G-4] **areastyle**
 outlining, [G-3] **region_options**
 shading, [G-3] **region_options**
register, **mi** subcommand, [MI] **mi set**
registered variables, see **variables**, **multiple-imputation registered**
regress command, [R] **regress**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [R] **regress postestimation time series**, [SP] **estat moran**
regress, meta subcommand, [META] **meta regress**, [META] **meta regress postestimation**
regressand, [TS] **Glossary**, [XT] **Glossary**
regression, [SEM] **Glossary**
 adjustment, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects ra**, [TE] **Glossary**
 Bayesian, see **Bayesian regression**

regression, *continued*

coefficient,

accessing, [U] **13.5 Accessing coefficients and standard errors**combinations of, [R] **lincom**, [R] **nlcom**power for, [PSS-2] **power**, [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pccorr**, [PSS-2] **power trend**, [PSS-2] **power cox**tests of, [R] **lrtest**, [R] **test**, [R] **testnl**competing risks, [ST] **stcrreg**constrained, [R] **cnsreg**creating orthogonal polynomials for, [R] **orthog**diagnostic plots, [R] **regress postestimation diagnostic plots**

diagnostics, [ME] **mecloglog postestimation**, [ME] **meglm postestimation**, [ME] **meintreg postestimation**, [ME] **melogit postestimation**, [ME] **menbreg postestimation**, [ME] **menl postestimation**, [ME] **mepoisson postestimation**, [ME] **meprobit postestimation**, [ME] **mestreg postestimation**, [ME] **metobit postestimation**, [ME] **mixed postestimation**, [META] **meta mvregress postestimation**, [R] **binreg postestimation**, [R] **clogit postestimation**, [R] **estat classification**, [R] **estat gof**, [R] **glm postestimation**, [R] **logistic postestimation**, [R] **poisson postestimation**, [R] **predict**, [R] **predictnl**, [R] **regress postestimation**, [R] **regress postestimation diagnostic plots**, [R] **regress postestimation time series**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stcrreg postestimation**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**, [ST] **stintreg postestimation**, [ST] **streg postestimation**, [SVY] **estat**, [SVY] **svy postestimation**

dummy variables, with, [R] **anova**, [R] **areg**, [R] **xi**, [U] **26.2.5 Specifying indicator (dummy) variables as factor variables**, [XT] **xreg**

fixed-effects, see *fixed-effects model*fractional polynomial, [R] **fp**, [R] **mfp**function, estimating, [R] **lpoly**

graphing, [R] **logistic postestimation**, [R] **lroc**, [R] **lsens**, [R] **marginsplot**, [R] **regress postestimation diagnostic plots**

hurdle, [R] **churdle**

instrumental variables, [FMM] **fmm: ivregress**, [LASSO] **poivregress**, [LASSO] **xpoivregress**, [R] **gmm**, [R] **ivpoisson**, [R] **ivprobit**, [R] **ivregress**, [R] **ivtobit**, [SP] **spivregress**, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**, [XT] **xthtaylor**, [XT] **xtivreg**

linear, see *linear regression*lines, see *fits*, addingrandom-effects, see *random-effects model*scoring, [MV] **factor postestimation**

spatial autoregressive models, [SP] **spivregress**, [SP] **spregress**, [SP] **spxtregress**

regression, *continued*system, see *system estimators*truncated, [FMM] **fmm: truncreg**, [R] **truncreg**

regression (in generic sense), see *estimation commands*
accessing coefficients and standard errors, [P] **matrix get**, [U] **13.5 Accessing coefficients and standard errors**

dummy variables, with, [R] **xi**, [U] **26.2.5 Specifying indicator (dummy) variables as factor variables**

regressor, [TS] **Glossary**, [XT] **Glossary**regular expressions, [FN] **String functions**

regular variables, see *variables*, multiple-imputation
regular

regularized estimator, [LASSO] **Glossary**rejection region, [PSS-5] **Glossary**

relational operators, [M-2] **op_colon**, [U] **13.2.3 Relational operators**

relative

difference function, [FN] **Mathematical functions**, [FN] **Matrix functions**, [M-5] **reldif()**

efficiency, [MI] **mi estimate**, [MI] **mi predict**, [MI] **Glossary**

risk, [PSS-2] **power**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**, [R] **Eptab**

variance increase, [MI] **mi estimate**, [MI] **mi predict**, [MI] **Glossary**

relative risk, see *risk ratio*

relative-risk ratio

estimation

Bayesian, [BAYES] **bayes: xtmlogit**

relative-risk ratio, [BAYES] **bayes: mlogit**, [FMM] **fmm: mlogit**, [R] **eform_option**, [R] **lincom**, [R] **mlogit**, [SEM] **estat eform**, [XT] **xtmlogit**

reldif() function, [FN] **Mathematical functions**, [M-5] **reldif()**

release marker, [P] **version**

releases, compatibility of Stata programs across, [P] **version**

reliability, [MV] **alpha**, [MV] **factor**, [R] **brier**, [R] **eivreg**, [R] **heckpoisson**, [R] **icc**, [R] **intreg**, [R] **loneway**, [R] **poisson**, [SEM] **Intro 5**, [SEM] **Intro 12**, [SEM] **Example 24**, [SEM] **gsem model description options**, [SEM] **sem and gsem option reliability()**, [SEM] **sem model description options**, [SEM] **Glossary**, [ST] **Survival analysis**, [ST] **Discrete**, [ST] **ltable**, [ST] **st**, [ST] **stcox**, [ST] **stcrreg**, [ST] **streg**

theory, see *survival analysis*remainder function, see *modulus function*

remap,

collect subcommand, [TABLES] **collect remap**REML, see *restricted maximum likelihood*

remove

directories, [D] **rmdir**files, [D] **erase**, [M-5] **unlink()**

- remove, jdbc subcommand, [D] **jdbc**
- r._En, [SEM] **sem** and **gsem** option **covstructure()**
- rename,
 - bayesirf** subcommand, [BAYES] **bayesirf**
 - char** subcommand, [P] **char**
 - cluster** subcommand, [MV] **cluster utility**
 - collect** subcommand, [TABLES] **collect rename**
 - graph** subcommand, [G-2] **graph rename**
 - irf** subcommand, [TS] **irf rename**
 - meta** subcommand, [M-3] **meta rename**
 - matrix** subcommand, [P] **matrix utility**
 - mi** subcommand, [MI] **mi rename**
- rename collection, [TABLES] **collect rename**
- rename command, [D] **rename**, [D] **rename group**
- rename for mi data, [MI] **mi rename**
- rename, frame subcommand, [D] **frame rename**
- rename graph, [G-2] **graph rename**
- rename variables, [D] **rename**, [D] **rename group**, [MI] **mi rename**
- renamevar, cluster subcommand, [MV] **cluster utility**
- renumber, notes subcommand, [D] **notes**
- reorder data, [D] **gsort**, [D] **order**, [D] **sort**
- reorganize data, [D] **reshape**, [D] **xpose**
- repair, ssd subcommand, [SEM] **ssd**
- repeated DDF, see denominator degrees of freedom, **repeated**
- repeated measures, [MV] **Glossary**, [PSS-2] **power pairedmeans**, [PSS-2] **power pairedproportions**, [PSS-3] **ciwidth pairedmeans**
- repeated options, [G-4] **Concept: repeated options**, [G-4] **Glossary**
- repeated, power subcommand, [PSS-2] **power repeated**
- repeated-measures ANOVA, [PSS-2] **power**, [PSS-2] **power repeated**, [R] **anova**
- repeated-measures MANOVA, [MV] **manova**
- repeating and editing command, [R] **#review**, [U] **10 Keyboard use**
- repeating command, [D] **by**, [P] **continue**, [P] **foreach**, [P] **forvalues**
- replace command, [D] **generate**, [MI] **mi passive**, [MI] **mi xeq**
- replace, notes subcommand, [D] **notes**
- replace option, [U] **11.2 Abbreviation rules**
- replace0, mi subcommand, [MI] **mi replace0**
- replay,
 - estimates** subcommand, [R] **estimates replay**
 - graph** subcommand, [G-2] **graph replay**
- replay() function, [FN] **Programming functions**, [P] **ereturn**, [P] **_estimates**
- replay graphs, [G-2] **graph replay**
- replay models, [SEM] **Intro 7**, [U] **20.3 Replaying prior results**
- replicate-weight variable, [SVY] **Survey**, [SVY] **svy bootstrap**, [SVY] **svy brr**, [SVY] **svy jackknife**, [SVY] **svy sdr**, [SVY] **svyset**, [SVY] **Glossary**
- replicated
 - data, [BAYES] **Glossary**
 - outcome, [BAYES] **Bayesian commands**, [BAYES] **bayesstats pvalues**, [BAYES] **bayespredict**, [BAYES] **Glossary**
- replicating
 - clustered observations, [D] **expandel**
 - observations, [D] **expand**
- replication method, [SVY] **svy bootstrap**, [SVY] **svy brr**, [SVY] **svy jackknife**, [SVY] **svy sdr**, [SVY] **svyset**, [SVY] **Variance estimation**
- report,
 - datasignature** subcommand, [D] **datasignature**
 - duplicates** subcommand, [D] **duplicates**
 - estat** subcommand, [IRT] **estat report**
 - fvset** subcommand, [R] **fvset**
 - ml** subcommand, [R] **ml**
- report generation, [G-2] **graph export**, [RPT] **Dynamic documents intro**, [RPT] **dyndoc**, [RPT] **putdocx intro**, [RPT] **putdocx begin**, [RPT] **putdocx collect**, [RPT] **putdocx pagebreak**, [RPT] **putdocx paragraph**, [RPT] **putdocx table**, [RPT] **putexcel**, [RPT] **putpdf intro**, [RPT] **putpdf begin**, [RPT] **putpdf collect**, [RPT] **putpdf pagebreak**, [RPT] **putpdf paragraph**, [RPT] **putpdf table**, [U] **13.5 Accessing coefficients and standard errors**, [U] **13.6 Accessing results from Stata commands**, [U] **21 Creating reports**
- reporting bias, [META] **Glossary**, also see publication bias
- reporting options, [SEM] **gsem reporting options**, [SEM] **sem reporting options**
- repost, ereturn subcommand, [P] **ereturn**, [P] **return**
- _request(*macname*), display directive, [P] **display**
- resampling, [D] **sample**, [D] **splitsample**, [R] **bootstrap**, [R] **bsample**, [R] **bstat**, [R] **jackknife**, [R] **permute**, [SVY] **Glossary**
- reserved names, [U] **11.3 Naming conventions**
- reserved words, [M-2] **reswords**
- reset,
 - frames** subcommand, [D] **frames reset**
 - mi** subcommand, [MI] **mi reset**
- RESET test, [R] **regress postestimation**
- reset, translator subcommand, [R] **translate**
- reset_id, serset subcommand, [P] **seset**
- reshape
 - command, [D] **reshape**
 - error command, [D] **reshape**
 - for mi data, [MI] **mi reshape**
 - long command, [D] **reshape**
 - wide command, [D] **reshape**
- reshape data, [D] **reshape**, also see transpose data
- reshape, mi subcommand, [MI] **mi reshape**

- residual, [R] **predict**, [ST] **stintcox postestimation**,
 also see Anscombe residual, also see Cox–Snell
 residual, also see deviance residual, also see
 martingale residual, also see Pearson residual
 covariance, see error covariance
 DDF, see denominator degrees of freedom, residual
 error covariance, see error covariance
 graph, [R] **logistic postestimation**, [R] **regress
 postestimation diagnostic plots**
 Moran’s test of residual correlation, [SP] **estat
 moran**
 programming to obtain, [P] **_predict**
 serial correlation in, [R] **runttest**, [TS] **varlmar**,
 [TS] **veclmar**
 structural equation modeling, [SEM] **estat gof**,
 [SEM] **estat residuals**, [SEM] **Example 4**,
 [SEM] **Methods and formulas for sem**,
 [SEM] **Glossary**
- residual heterogeneity, [META] **Intro**, [META] **meta**,
 [META] **meta bias**, [META] **Glossary**
- residuals, **estat** subcommand, [MV] **factor
 postestimation**, [MV] **pca postestimation**,
 [SEM] **Intro 7**, [SEM] **estat residuals**,
 [SEM] **Methods and formulas for sem**
- residual-versus-fitted plot, [R] **regress postestimation
 diagnostic plots**
- residual-versus-predictor plot, [R] **regress
 postestimation diagnostic plots**
- resistant smoothers, [R] **smooth**
- restore,
 estimates subcommand, [LASSO] **estimates store**,
 [R] **estimates store**
 _return subcommand, [P] **_return**
 snapshot subcommand, [D] **snapshot**
- restore command, [D] **frames intro**, [P] **preserve**
- restore data, [D] **snapshot**, [P] **preserve**
- restricted cubic splines, [R] **mkspline**
- restricted maximum likelihood, [ME] **menl**,
 [ME] **mixed**, [ME] **Glossary**
- results macro function, [P] **macro**
- results, **clear** subcommand, [D] **clear**
- Results window, clearing, [R] **cls**
- results,
 accessing, [R] **Stored results**, [SEM] **Intro 7**,
 [U] **13.5 Accessing coefficients and standard
 errors**, [U] **13.6 Accessing results from
 Stata commands**, [U] **18.8 Accessing
 results calculated by other programs**,
 [U] **18.9 Accessing results calculated by
 estimation commands**
 clearing, [M-5] **st_clear()**, [P] **ereturn**,
 [P] **_estimates**, [P] **_return**, [P] **return**,
 [R] **estimates store**
 listing, [P] **ereturn**, [P] **_estimates**, [P] **_return**,
 [P] **return**, [R] **estimates store**, [R] **Stored
 results**
 saving, [P] **_estimates**, [P] **frame post**, [P] **postfile**,
 [P] **_return**, [R] **estimates save**
- results, *continued*
 stored, hidden or historical, [M-5] **st_global()**,
 [M-5] **st_matrix()**, [M-5] **st_numscalar()**
 storing, [M-5] **st_global()**, [M-5] **st_local()**,
 [M-5] **st_matrix()**, [M-5] **st_numscalar()**,
 [P] **ereturn**, [P] **return**, [R] **estimates store**,
 [U] **18.10 Storing results**
 retrospective study, [PSS-2] **power**, [PSS-3] **ciwidth**,
 [PSS-5] **Glossary**
- return
 codes, see **error messages and return codes**
 results, see **results**, listing
 value, [P] **class**
- _return**
 dir command, [P] **_return**
 drop command, [P] **_return**
 hold command, [P] **_return**
 restore command, [P] **_return**
- return**, [M-2] **return**
 add command, [P] **return**
 clear command, [P] **return**
 list command, [P] **return**, [R] **Stored results**
 local command, [P] **return**
 matrix command, [P] **return**
 scalar command, [P] **return**
- return()** function, [FN] **Programming functions**
- reventries**, **set** subcommand, [R] **set**
- reverse causation, [ERM] **Intro 3**, [ERM] **Glossary**
- reversed scales, [G-3] **axis_scale_options**
- #review** command, [R] **#review**, [U] **10 Keyboard
 use**, [U] **15 Saving and printing output—log
 files**
- revkeyboard**, **set** subcommand, [R] **set**
- revorder()** function, [M-5] **inorder()**
- rexpontential()** function, [FN] **Random-number
 functions**, [M-5] **runiform()**
- rgamma()** function, [FN] **Random-number functions**,
 [M-5] **runiform()**
- RGB values, see **red**, **green**, and **blue (RGB)** values
- rhypergeometric()** function, [FN] **Random-number
 functions**, [M-5] **runiform()**
- ridge prior, [MI] **mi impute mvn**
- rigaussian()** function, [FN] **Random-number
 functions**, [M-5] **runiform()**
- right eigenvectors, [M-5] **eigensystem()**
- right-censored, [ERM] **Glossary**, [ST] **Glossary**,
 [TE] **Glossary**
- right-censoring, see **imputation**, **interval-censored data**
- right-hand-side variable, [ERM] **Glossary**, also see
covariate
- rightmost** options, [G-4] **Concept: repeated options**,
 [G-4] **Glossary**
- right-truncation, [ST] **Glossary**, [TE] **Glossary**
- ringposstyle**, [G-4] **ringposstyle**, [G-4] **Glossary**

- risk
- difference, [BAYES] **bayes: binreg**, [META] **Intro**, [META] **meta summarize**, [PSS-2] **power**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-5] **Glossary**, [R] **binreg**, [R] **Epitab**
 - factor, [PSS-5] **Glossary**, [R] **Epitab**, [ST] **Glossary**
 - pool, [ST] **stcox**, [ST] **sterreg**, [ST] **stset**, [ST] **Glossary**
 - ratio, [BAYES] **bayes: binreg**, [META] **Intro**, [META] **meta esize**, [META] **meta update**, [META] **meta summarize**, [META] **Glossary**, [PSS-5] **Glossary**, [R] **binreg**, [R] **Epitab**, also see *relative risk*
- rlaplace()** function, [FN] **Random-number functions**, [M-5] **runiform()**
- rline**, **graph** **twoway** subcommand, [G-2] **graph twoway** **rline**
- rlogistic()** function, [FN] **Random-number functions**, [M-5] **runiform()**
- rm** command, [D] **erase**
- _rmcoll** command, [P] **_rmcoll**
 - _rmdcoll** command, [P] **_rmcoll**
- rmdir** command, [D] **rmdir**
- _rmdir()** function, [M-5] **chdir()**
- rmdir()** function, [M-5] **chdir()**
- rmexternal()** function, [M-5] **findexternal()**
- RMSEA**, see *root mean squared error of approximation*
- rmsg**, **set** subcommand, [P] **creturn**, [P] **error**, [P] **rmsg**, [R] **set**, [U] **8 Error messages and return codes**
- rnbinomial()** function, [FN] **Random-number functions**, [M-5] **runiform()**
- rng**, **query** subcommand, [R] **query**
- rng**, **set** subcommand, [R] **set**, [R] **set rng**
- rngstate()** function, [M-5] **runiform()**
- rngstate**, **set** subcommand, [R] **set**, [R] **set seed**
- rngstream**, **clear** subcommand, [D] **clear**
- set** subcommand, [R] **set**, [R] **set rngstream**
- rnormal()** function, [FN] **Random-number functions**, [M-5] **runiform()**
- robust
- regression, [R] **betareg**, [R] **regress**, [R] **rreg**
 - standard errors, [XT] **Glossary**, also see *robust*, *Huber/White/sandwich estimator of variance*
 - test for equality of variance, [R] **sdtest**
- robust, [SEM] **Glossary**
- robust, Abadie–Imbens standard errors, [TE] **teffects nnmatch**, [TE] **teffects psmatch**
- robust, Huber/White/sandwich estimator of variance, [P] **_robust**, [R] **vce _option**, [SVY] **Variance estimation**, [XT] **vce _options**
- ARCH, [TS] **arch**
- ARFIMA, [TS] **arfima**
- ARIMA and ARMAX, [TS] **arima**
- beta regression, [R] **betareg**
- between-effects models, instrumental variables, [XT] **xtivreg**
- robust, Huber/White/sandwich estimator of variance, *continued*
- censored Poisson regression, [R] **cpoisson**
- choice model
- conditional logit, [CM] **cmlogit**
 - mixed logit, [CM] **commixlogit**, [CM] **cmxtmixlogit**
 - multinomial probit, [CM] **cmmprobit**
 - nested logit, [CM] **nlogit**
 - rank-ordered logistic, [CM] **cmrologit**
 - rank-ordered probit, [CM] **cmroprobit**
- competing-risks regression, [ST] **stcrreg**
- complementary log–log regression, [R] **cloglog**
- Cox proportional hazards model, [ST] **stcox**
- dynamic stochastic general equilibrium, [DSGE] **dsge**, [DSGE] **dsgenl**
- dynamic-factor model, [TS] **dfactor**
- exponential regression hurdle, [R] **churdle**
- finite mixture models, [FMM] **fm**
- first-differenced estimator, [XT] **xtivreg**
- fixed-effects models, *continued*
- instrumental variables, [XT] **xtivreg**, [XT] **xtmlogit**
 - linear, [XT] **xtreg**
 - Poisson, [XT] **xtpoisson**
- fractional response regression, [R] **fracreg**
- GARCH, [TS] **arch**, also see *MGARCH* subentry
- generalized linear models, [R] **glm**
- for binomial family, [R] **binreg**
- generalized method of moments, [R] **gmm**, [R] **ivpoisson**
- Heckman selection model, [R] **heckman**, [XT] **xtheckman**
- heckpoisson regression, [R] **heckpoisson**
- hurdle regression, [R] **churdle**
- instrumental-variables regression, [LASSO] **poivregress**, [LASSO] **xpoivregress**, [R] **ivregress**, [XT] **xtivreg**
- interval regression, [ERM] **eintreg**, [R] **intreg**
- linear dynamic panel-data estimation, [XT] **xtabond**, [XT] **xtdpd**, [XT] **xtdpdsys**
- linear regression, [ERM] **eregress**, [LASSO] **dsregress**, [LASSO] **elasticnet**, [LASSO] **lasso**, [LASSO] **poregress**, [LASSO] **sqrlasso**, [LASSO] **xporegress**, [R] **regress**
- constrained, [R] **cnsgreg**
 - heteroskedastic, [R] **hetregress**
 - hurdle, [R] **churdle**
 - truncated, [R] **truncreg**
 - with dummy-variable set, [R] **areg**
- logistic regression, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt hybrid**, [IRT] **irt, group()**, [LASSO] **dslogit**, [LASSO] **elasticnet**, [LASSO] **lasso**, [LASSO] **pologit**, [LASSO] **xpologit**, [R] **logistic**, [R] **logit**, also see *logit regression* subentry

- robust, Huber/White/sandwich estimator of variance,
 - logistic regression, *continued*
 - conditional, [R] **clogit**
 - multinomial, [IRT] **irt nrm**, [IRT] **irt hybrid**, [R] **mlogit**
 - ordered, [IRT] **irt grm**, [IRT] **irt pcm**, [IRT] **irt rsm**, [IRT] **irt hybrid**, [R] **ologit**
 - skewed, [R] **scobit**
 - stereotype, [R] **slogit**
 - zero-inflated ordered, [R] **ziologit**
- logit regression, [IRT] **irt 1pl**, [IRT] **irt 2pl**, [IRT] **irt 3pl**, [IRT] **irt hybrid**, [IRT] **irt, group()**, [LASSO] **dslogit**, [LASSO] **elasticnet**, [LASSO] **lasso**, [LASSO] **pologit**, [LASSO] **xpologit**, [R] **logistic**, [R] **logit**, *also see* logistic regression subentry
- Markov-switching model, [TS] **mswitch**
- maximum likelihood estimation, [R] **ml**, [R] **mlexp**
- MGARCH, [TS] **mgarch ccc**, [TS] **mgarch dcc**, [TS] **mgarch dvec**, [TS] **mgarch vcc**
- multilevel mixed-effects model, [ME] **mecloglog**, [ME] **meglm**, [ME] **meintreg**, [ME] **melogit**, [ME] **menbreg**, [ME] **meologit**, [ME] **meoprobit**, [ME] **mepoisson**, [ME] **meprobit**, [ME] **mestreg**, [ME] **metobit**, [ME] **mixed**
- multinomial
 - logistic regression, [IRT] **irt nrm**, [IRT] **irt hybrid**, [R] **mlogit**
 - probit regression, [R] **mprobit**
- negative binomial regression, [R] **nbreg**
 - truncated, [R] **tnbreg**
 - zero-inflated, [R] **zinb**
- Newey–West regression, [TS] **newey**
- nonlinear
 - least-squares estimation, [R] **nl**
 - systems of equations, [R] **nlsur**
- nonparametric series regression, [R] **npregress series**
- ordered probit regression, [ERM] **eoprobit**
- parametric survival models, [ST] **stintreg**, [ST] **streg**
- Poisson regression, [LASSO] **dspoisson**, [LASSO] **elasticnet**, [LASSO] **lasso**, [LASSO] **popoisson**, [LASSO] **xpopoisson**, [R] **poisson**, [TE] **etpoisson**
 - censored, [R] **cpoisson**
 - truncated, [R] **tpoisson**
 - with endogenous covariates, [R] **ivpoisson**
 - zero-inflated, [R] **zip**
- population-averaged models, [XT] **xtgee**
 - complementary log–log, [XT] **xtcloglog**
 - logit, [XT] **xtlogit**
 - negative binomial, [XT] **xtnbreg**
 - Poisson, [XT] **xtpoisson**
 - probit, [XT] **xtprobit**
- Prais–Winsten and Cochrane–Orcutt regression, [TS] **prais**
- robust, Huber/White/sandwich estimator of variance, *continued*
- probit regression, [ERM] **eoprobit**, [LASSO] **elasticnet**, [LASSO] **lasso**, [R] **probit**
 - bivariate, [R] **biprobit**
 - heteroskedastic, [R] **hetprobit**
 - multinomial, [R] **mprobit**
 - ordered, [R] **heckoprobit**, [R] **hetoprobit**, [R] **oprobit**
 - with endogenous covariates, [R] **ivprobit**
 - with sample selection, [R] **heckprobit**
 - zero-inflated ordered, [R] **zioprobit**
- quantile regression, [R] **qreg**
- random-effects model
 - complementary log–log, [XT] **xtcloglog**
 - Hausman–Taylor estimator, [XT] **xhtaylor**
 - instrumental variables, [XT] **xtivreg**
 - linear, [XT] **xheckman**, [XT] **xtreg**
 - logistic, [XT] **xtlogit**, [XT] **xtmlogit**, [XT] **xtologit**
 - parametric survival, [XT] **xtstreg**
 - Poisson, [XT] **xtpoisson**
 - probit, [XT] **xtoprobit**, [XT] **xtprobit**
- spatial autoregressive models, [SP] **spregress**
- state-space model, [TS] **sspace**
- stochastic frontier model, [R] **frontier**
- structural equation modeling, [SEM] **Intro 8**, [SEM] **sem option method()**
- threshold regression model, [TS] **threshold**
- tobit model, [R] **tobit**
 - with endogenous covariates, [R] **ivtobit**
- treatment effect, [TE] **didregress**, [TE] **eteffects**, [TE] **etpoisson**, [TE] **etregress**, [TE] **teffects**, [TE] **teffects ipw**, [TE] **teffects ipwra**, [TE] **teffects ra**, [TE] **telasso**
 - survival-time data, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects ra**, [TE] **stteffects wra**
- truncated
 - negative binomial regression, [R] **tnbreg**
 - Poisson regression, [R] **tpoisson**
 - regression, [R] **truncreg**
- unobserved-components model, [TS] **ucm**
- with endogenous covariates,
 - Poisson regression, [R] **ivpoisson**
 - probit regression, [R] **ivprobit**
 - tobit regression, [R] **ivtobit**
- with endogenous regressors,
 - instrumental-variables regression, [LASSO] **poivregress**, [LASSO] **xpoivregress**, [R] **ivregress**
- zero-inflated
 - negative binomial regression, [R] **zinb**
 - ordered logistic regression, [R] **ziologit**
 - ordered probit regression, [R] **zioprobit**
 - Poisson regression, [R] **zip**
- robust, other methods of, [R] **rreg**, [R] **smooth**
- _robust** command, [P] **_robust**

- robvar command, [R] **sdtest**
- ROC, see receiver operating characteristic analysis
- roccomp command, [R] **roc**, [R] **roccomp**
- rocfits command, [R] **rocfits**, [R] **rocfits postestimation**
- rocgold command, [R] **roc**, [R] **roccomp**
- rocplot command, [R] **rocfits postestimation**
- rocreg command, [R] **rocreg**, [R] **rocreg postestimation**, [R] **rocregplot**
- rocregplot command, [R] **rocregplot**
- roctab command, [R] **roc**, [R] **roctab**
- Rogers and Tanimoto similarity measure, [MV] **measure_option**
- roh, [R] **loneway**
- rolling command, [TS] **rolling**
- rolling regression, [TS] **rolling**, [TS] **Glossary**
- root mean squared error of approximation, [SEM] **estat gof**, [SEM] **Example 4**, [SEM] **Methods and formulas for sem**
- rootograms, [R] **spikeplot**
- roots of polynomials, [M-5] **polyeval()**
- rotate command, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **rotate**
- rotate, estat subcommand, [MV] **canon postestimation**
- rotatecompare, estat subcommand, [MV] **canon postestimation**, [MV] **factor postestimation**, [MV] **pca postestimation**
- rotated
 - factor loadings, [MV] **factor postestimation**
 - principal components, [MV] **pca postestimation**
- rotatemat command, [MV] **rotatemat**
- rotation, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
 - Bentler's invariant pattern simplicity, see Bentler's invariant pattern simplicity rotation
 - biquartimax, see biquartimax rotation
 - biquartimin, see biquartimin rotation
 - Comrey's tandem 1, see Comrey's tandem 1 and 2 rotations
 - Comrey's tandem 2, see Comrey's tandem 1 and 2 rotations
 - covarimin, see covarimin rotation
 - Crawford–Ferguson, see Crawford–Ferguson rotation
 - equamax, see equamax rotation
 - factor parsimony, see factor parsimony rotation
 - minimum entropy, see minimum entropy rotation
 - oblimax, see oblimax rotation
 - oblimin, see oblimin rotation
 - oblique, see oblique rotation
 - orthogonal, see orthogonal rotation
 - parsimax, see parsimax rotation
 - partially specified target, see partially specified target rotation
 - Procrustes, see Procrustes rotation
 - promax, see promax rotation
 - quartimax, see quartimax rotation
 - quartimin, see quartimin rotation
- rotation, *continued*
 - toward a target, see toward a target rotation
 - varimax, see varimax rotation
- round() function, [FN] **Mathematical functions**, [M-5] **trunc()**
- roundoff error, [M-5] **epsilon()**, [M-5] **edittozero()**, [M-5] **edittoint()**, [U] **13.12 Precision and problems therein**
- row
 - of matrix, selecting, [M-5] **select()**
 - operators for data, [D] **egen**
 - stripes, [M-5] **st_matrix()**, [M-6] **Glossary**
- roweq macro function, [P] **macro**
- roweq, matrix subcommand, [P] **matrix rownames**
- roweqnumb macro function, [P] **macro**
- roweqnumb() function, [FN] **Matrix functions**
- rowfirst(), egen function, [D] **egen**
- rowfullnames macro function, [P] **macro**
- row-join operator, [M-2] **op_join**
- rowjoinbyname, matrix subcommand, [P] **matrix rowjoinbyname**
- rowlast(), egen function, [D] **egen**
- rowlfnames macro function, [P] **macro**
- row-major order, [M-6] **Glossary**
- rowmax(), egen function, [D] **egen**
- rowmax() function, [M-5] **minmax()**
- rowmaxabs() function, [M-5] **minmax()**
- rowmean(), egen function, [D] **egen**
- rowmedian(), egen function, [D] **egen**
- rowmin(), egen function, [D] **egen**
- rowmin() function, [M-5] **minmax()**
- rowminmax() function, [M-5] **minmax()**
- rowmiss(), egen function, [D] **egen**
- rowmissing() function, [M-5] **missing()**
- rownames macro function, [P] **macro**
- rownames, matrix subcommand, [P] **matrix rownames**
- rownfreeparms macro function, [P] **macro**
- rownfreeparms() function, [FN] **Matrix functions**
- rownlfs macro function, [P] **macro**
- rownonmiss(), egen function, [D] **egen**
- rownonmissing() function, [M-5] **missing()**
- rownumb macro function, [P] **macro**
- rownumb() function, [FN] **Matrix functions**, [P] **matrix define**
- rowpctile(), egen function, [D] **egen**
- rows() function, [M-5] **rows()**
- rows of matrix
 - appending to, [P] **matrix define**
 - names, [P] **ereturn**, [P] **matrix define**, [P] **matrix rowjoinbyname**, [P] **matrix rownames**
 - operators, [P] **matrix define**
- rowscalefactors() function, [M-5] **_equilrc()**
- rowsd(), egen function, [D] **egen**
- rowshape() function, [M-5] **rowshape()**
- rowsof macro function, [P] **macro**

rowsof() function, [FN] **Matrix functions**, [P] **matrix define**

rowsum() function, [M-5] **sum()**

rowtotal(), **egen** function, [D] **egen**

rowvarlist macro function, [P] **macro**

rowvector, [M-2] **Declarations**, [M-6] **Glossary**

Roy's

- largest root test, [MV] **canon**, [MV] **manova**, [MV] **mvtest means**, [MV] **Glossary**
- union-intersection test, [MV] **canon**, [MV] **manova**, [MV] **mvtest means**

rpoisson() function, [FN] **Random-number functions**, [M-5] **runiform()**

rreg command, [R] **rreg**, [R] **rreg postestimation**

rscatter, graph twoway subcommand, [G-2] **graph twoway rscatter**

rseed() function, [M-5] **runiform()**

RSM, see **rating scale model**

rsm, irt subcommand, [IRT] **irt rsm**, [IRT] **irt rsm postestimation**

rspike, graph twoway subcommand, [G-2] **graph twoway rspike**

R^2 , [LASSO] **Glossary**, [PSS-2] **power**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [PSS-5] **Glossary**, [SEM] **estat egof**, also see **coefficient of determination**

rsquared, power subcommand, [PSS-2] **power rsquared**

rt() function, [FN] **Random-number functions**, [M-5] **runiform()**

Rubin's combination rules, [MI] **mi estimate**, [MI] **mi estimate using**, [MI] **mi predict**

run command, [R] **do**, [U] **16 Do-files**

runiform() function, [FN] **Random-number functions**, [M-5] **runiform()**, [R] **set seed**

runiformint() function, [FN] **Random-number functions**, [M-5] **runiform()**

_runningsum() function, [M-5] **runningsum()**

runningsum() function, [M-5] **runningsum()**

runttest command, [R] **runttest**

Russell and Rao coefficient similarity measure, [MV] **measure_option**

rvalue, class, [P] **class**

rvfplot command, [R] **regress postestimation diagnostic plots**

RVI, see **relative variance increase**

rvpplot command, [R] **regress postestimation diagnostic plots**

rweibull() function, [FN] **Random-number functions**, [M-5] **runiform()**

rweibullph() function, [FN] **Random-number functions**, [M-5] **runiform()**

S

s() function, [FN] **Programming functions**

s() stored results, [FN] **Programming functions**, [P] **return**, [R] **Stored results**, [U] **18.8 Accessing results calculated by other programs**, [U] **18.10.3 Storing results in s()**

s(macros) macro function, [P] **macro**

s1color scheme, [G-4] **Scheme s1**

s1manual scheme, [G-4] **Scheme s1**

s1mono scheme, [G-4] **Scheme s1**

s1rcolor scheme, [G-4] **Scheme s1**

s2color scheme, [G-4] **Scheme s2**

s2gcolor scheme, [G-4] **Scheme s2**

s2gmanual scheme, [G-4] **Scheme s2**

s2manual scheme, [G-4] **Scheme s2**

s2mono scheme, [G-4] **Scheme s2**

SAARCH, see **simple asymmetric autoregressive conditional heteroskedasticity**

saddle-path stable, [DSGE] **Glossary**

Sammon mapping criterion, [MV] **Glossary**

sample, [SVY] **Glossary**, also see **random sample selection**, [ERM] **Glossary**, also see **endogenous sample selection**, also see **selection model**

sample command, [D] **sample**

sample splitting, [LASSO] **Glossary**

sample-size, [PSS-5] **Glossary**, [U] **27.32 Power, precision, and sample-size analysis**

- analysis, see **power and sample-size analysis**
- curve, [PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth usermethod**, [PSS-3] **ciwidth, graph**, [PSS-5] **Glossary**

determination, [PSS-1] **Intro**, [PSS-2] **Intro (power)**, [PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power onefold**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth usermethod**, [PSS-3] **ciwidth, graph**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

- cluster size, [PSS-2] **power onemean, cluster**, [PSS-2] **power twomeans, cluster**, [PSS-2] **power twoproportions, cluster**, [PSS-2] **power logrank, cluster**

ratio, [PSS-5] **Glossary**

rounding rules for, [PSS-4] **Unbalanced designs**

- sampling, [D] **sample**, [D] **splitsample**, [R] **bootstrap**, [R] **bsample**, [SVY] **Survey**, [SVY] **svydescribe**, [SVY] **svyset**, [SVY] **Glossary**, *also see* cluster sampling
- rate, [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-2] **power pairedmeans**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth pairedmeans**
- stage, [SVY] **estat**, [SVY] **Glossary**
- unit, [SVY] **Survey**, [SVY] **Glossary**, *also see* primary sampling unit
- weight, [SVY] **Survey**, [SVY] **Calibration**, [SVY] **Poststratification**, [SVY] **Glossary**, [U] **11.1.6 weight**, [U] **20.24.3 Sampling weights**, *also see* survey data
- with and without replacement, [SVY] **Glossary**
- sandwich/Huber/White estimator of variance, *see* **robust**, Huber/White/sandwich estimator of variance
- SAR, *see* **spatial autoregressive model**
- sargan, estat subcommand, [XT] **xtabond**, [XT] **xtabond postestimation**, [XT] **xtdpd**, [XT] **xtdpd postestimation**, [XT] **xtdpdsys postestimation**
- Sargan test, [XT] **xtabond postestimation**, [XT] **xtdpd postestimation**, [XT] **xtdpdsys postestimation**
- SAS dates, [D] **Datetime values from other software**
- sas, import subcommand, [D] **import sas**
- SAS EXPORT format, [D] **import sasxport5**, [D] **import sasxport8**
- sasxport5, export subcommand, [D] **import sasxport5** import subcommand, [D] **import sasxport5**
- sasxport8, export subcommand, [D] **import sasxport8** import subcommand, [D] **import sasxport8**
- Satterthwaite DDF, *see* denominator degrees of freedom, **Satterthwaite**
- Satterthwaite's *t* test, [PSS-2] **power**, [PSS-2] **power twomeans**, [PSS-5] **Glossary**
- saturated likelihood, [LASSO] **Glossary**
- saturated model, [SEM] **estat gof**, [SEM] **estat lcgof**, [SEM] **Example 4**, [SEM] **Methods and formulas for sem**, [SEM] **Glossary**
- saturation, *see* **intensity**, **color**, **adjustment**
- save data, [D] **import dbase**, [D] **import delimited**, [D] **outfile**, [D] **save**, [D] **snapshot**, *also see* export data results, *see* **results**, **saving**
- save, collect subcommand, [TABLES] **collect save** estimates subcommand, [LASSO] **estimates store**, [R] **estimates save** graph subcommand, [G-2] **graph save** label subcommand, [D] **label** putdocx subcommand, [RPT] **putdocx begin** putpdf subcommand, [RPT] **putpdf begin** snapshot subcommand, [D] **snapshot** spmatrix subcommand, [SP] **spmatrix save**
- save command, [D] **save**
- saveold command, [D] **save**
- saving() option, [G-3] **saving_option**
- saw-toothed power function, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**
- sbcusum, estat subcommand, [TS] **estat sbcusum**
- sbknown, estat subcommand, [TS] **estat sbknown**
- sbsingle, estat subcommand, [TS] **estat sbsingle**
- Scalable Vector Graphics, [G-2] **graph export**, [G-3] **svg_options**, [G-4] **Glossary**
- scalar, [M-2] **Declarations**, [M-6] **Glossary**, [P] **scalar** confirm subcommand, [P] **confirm** define command, [P] **scalar** dir command, [P] **scalar** drop command, [P] **scalar** ereturn subcommand, [P] **ereturn**, [P] **return** list command, [P] **scalar** return subcommand, [P] **return**
- scalar functions, [M-4] **Scalar**
- scalar model parameter, [BAYES] **Glossary**, *also see* **Bayesian**, **model parameters**
- scalar() function, [FN] **Programming functions**
- scalar() pseudofunction, [P] **scalar**
- scalars, [P] **scalar** namespace and conflicts, [P] **matrix**, [P] **matrix define**
- scale, log, [G-3] **axis_scale_options** range of, [G-3] **axis_scale_options** reversed, [G-3] **axis_scale_options**
- scale() option, [G-3] **scale_option**
- scaling, [MV] **mds**, [MV] **mds postestimation plots**, [MV] **mdslong**, [MV] **mdsmat**
- scatter, graph twoway subcommand, [G-2] **graph twoway scatter**
- scatteri, graph twoway subcommand, [G-2] **graph twoway scatteri**
- scatterplot matrices, [G-2] **graph matrix**
- scenarios, [TS] **forecast**, [TS] **forecast adjust**, [TS] **forecast clear**, [TS] **forecast coefvector**, [TS] **forecast create**, [TS] **forecast describe**, [TS] **forecast drop**, [TS] **forecast estimates**, [TS] **forecast exogenous**, [TS] **forecast identity**, [TS] **forecast list**, [TS] **forecast query**, [TS] **forecast solve**
- Scheffé's multiple-comparison adjustment, *see* **multiple comparisons**, **Scheffé's method**
- scheme() option, [G-3] **scheme_option**
- scheme, set subcommand, [G-2] **set scheme**, [R] **set schemes**, [G-2] **set scheme**, [G-3] **play_option**, [G-3] **scheme_option**, [G-4] **Schemes intro**, [G-4] **Scheme economist**, [G-4] **Scheme s1**, [G-4] **Scheme s2**, [G-4] **Scheme sj**, [G-4] **Glossary**
- changing, [G-2] **graph display** creating your own, [G-4] **Schemes intro** default, [G-2] **set scheme**

Schoenfeld residual, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stcrreg postestimation**

Schur

decomposition, [M-5] **schurd()**, [M-6] **Glossary**, also see generalized Schur decomposition
form, [M-6] **Glossary**

_schurd() function, [M-5] **schurd()**

schurd() function, [M-5] **schurd()**

_schurddgroupby() function, [M-5] **schurd()**

schurddgroupby() function, [M-5] **schurd()**

_schurddgroupby_1a() function, [M-5] **schurd()**

_schurd_1a() function, [M-5] **schurd()**

Schwarz information criterion, see **Bayesian information criterion**

scientific notation, [U] **12.2 Numbers**

s-class command, [P] **program**, [P] **return**, [R] **Stored results**, [U] **18.8 Accessing results calculated by other programs**

scobit command, [R] **scobit**, [R] **scobit postestimation**

scope, class, [P] **class**

score, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **Glossary**

plot, [MV] **scoreplot**, [MV] **Glossary**

test, [PSS-2] **power oneproportion**, [PSS-5] **Glossary**, [SEM] **Intro 7**, [SEM] **estat ginvariant**, [SEM] **estat mindices**, [SEM] **estat scoretests**, [SEM] **Methods and formulas for sem**, [SEM] **Glossary**, also see **Lagrange multiplier test**

score, matrix subcommand, [P] **matrix score**

score, ml subcommand, [R] **ml**

scoreplot command, [MV] **discrim lda postestimation**, [MV] **factor postestimation**, [MV] **scoreplot**

scores, [SEM] **Glossary**

obtaining, [ERM] **predict advanced**, [R] **predict**, [SEM] **predict after gsem**, [SEM] **predict after sem**, [U] **20.23 Obtaining scores**

programming, [M-5] **deriv()**, [M-5] **moptimize()**, [M-5] **optimize()**, [P] **matrix score**, [P] **program properties**, [P] **_robust**

scoretests, estat subcommand, [SEM] **Intro 7**, [SEM] **estat scoretests**, [SEM] **Methods and formulas for sem**

scree plot, [MV] **screepplot**, [MV] **Glossary**

screepplot command, [MV] **discrim lda postestimation**, [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **screepplot**

script subcommand, [P] **PyStata integration**

scrollbufsize, set subcommand, [R] **set**

scrolling of output, controlling, [P] **more**, [R] **more**, [U] **7 –more– conditions**

sd(), **egen** function, [D] **egen**

sd, estat subcommand, [ME] **estat sd**, [ME] **menl**, [ME] **mixed postestimation**, [META] **estat sd**, [R] **mean postestimation**, [SEM] **estat sd**, [SVY] **estat**

SDR, see **successive difference replication**

sdr_options, [SVY] **sdr_options**

sdtest command, [R] **sdtest**

sdtesti command, [R] **sdtesti**

se, estat subcommand, [R] **exlogistic postestimation**, [R] **expoisson postestimation**

_se[], [U] **13.5 Accessing coefficients and standard errors**

search,

icd10 subcommand, [D] **icd10**

icd10cm subcommand, [D] **icd10cm**

icd10pcs subcommand, [D] **icd10pcs**

icd9 subcommand, [D] **icd9**

icd9p subcommand, [D] **icd9p**

ml subcommand, [R] **ml**

net subcommand, [R] **net**

notes subcommand, [D] **notes**

python subcommand, [P] **PyStata integration**

view subcommand, [R] **view**

search command, [R] **search**, [U] **4 Stata's help and search facilities**

search_d, view subcommand, [R] **view**

search Internet, [R] **net search**

searchdefault, set subcommand, [R] **search**, [R] **set seasonal**

ARIMA, [TS] **arima**

difference operator, [TS] **arima**, [TS] **forecast estimates**, [TS] **Glossary**

lag operator, [U] **11.4.4 Time-series varlists**

smoothing, [TS] **tssmooth**, [TS] **tssmooth shwinters**

secondary sampling unit, [SVY] **Variance estimation**, [SVY] **Glossary**

second-level variables, see **first-level variables**

second-order latent variables, see **first-order latent variables**

seconds() function, [D] **Datetime durations**, [FN] **Date and time functions**, [M-5] **date()**

sectionbreak,

putdocx subcommand, [RPT] **putdocx pagebreak**

putpdf subcommand, [RPT] **putpdf pagebreak**

seed, set subcommand, [R] **set**, [R] **set seed**

seek, file subcommand, [P] **file**

seemingly unrelated

estimation, [R] **suest**

regression, [R] **nlstur**, [R] **reg3**, [R] **sureg**, [SEM] **Intro 5**, [SEM] **Example 12**, [SEM] **Glossary**, [TS] **dfactor**

segmentsize, set subcommand, [D] **memory**, [R] **set**

select() function, [M-5] **select()**

select, mi subcommand, [MI] **mi select**

selected,

estimates subcommand, [R] **estimates selected**

selected covariates, see **covariate selection**

selectindex() function, [M-5] **select()**

selection, [ERM] **Glossary**

on observables, see **conditional-independence assumption**

on unobservables, [ERM] **Glossary**

- selection model, [R] **heckman**, [R] **heckprobit**, [R] **heckprobit**
- Bayesian estimation, [BAYES] **bayes: heckman**, [BAYES] **bayes: heckprobit**, [BAYES] **bayes: heckprobit**
- structural equation modeling, [SEM] **Example 45g**
- survey data, [SVY] **svy estimation**
- with endogenous covariates, [ERM] **Intro 1**, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [ERM] **Example 1c**, [ERM] **Example 6b**, [ERM] **Example 8b**
- with random effects, [XT] **xheckman**
- with treatment effects, [ERM] **Intro 1**, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [ERM] **Example 4a**, [ERM] **Example 4b**, [ERM] **Example 6b**
- selection-order statistics, [TS] **varsoc**
- self-variable, [BAYES] **Glossary**
- self-variables
 - first-lag coefficients, [BAYES] **Glossary**
 - tightness parameter, [BAYES] **Glossary**
- SEM, see structural equation modeling
- sem command, [SEM] **Builder**, [SEM] **Methods and formulas for sem**, [SEM] **sem**, [SEM] **Glossary**
- examples,
 - CFA model, [SEM] **Example 1**, [SEM] **Example 3**, [SEM] **Example 15**, [SEM] **Example 20**
 - constraints, [SEM] **Example 8**, [SEM] **Example 23**
 - correlated uniqueness model, [SEM] **Example 17**
 - correlation, [SEM] **Example 16**
 - latent growth model, [SEM] **Example 18**
 - linear regression, [SEM] **Example 6**, [SEM] **Example 12**
 - measurement model, [SEM] **Example 1**, [SEM] **Example 3**, [SEM] **Example 20**
 - MIMIC model, [SEM] **Example 10**
 - model with MAR data, [SEM] **Example 26**
 - multilevel, [SEM] **Example 42g**
 - multiple-group model, [SEM] **Example 20**, [SEM] **Example 23**
 - path model, [SEM] **Example 7**, [SEM] **Example 12**
 - reliability model, [SEM] **Example 24**
 - structural model, [SEM] **Example 7**, [SEM] **Example 9**
- missing values, [SEM] **Example 26**
- options, [SEM] **sem and gsem option constraints()**, [SEM] **sem and gsem option covstructure()**, [SEM] **sem and gsem option from()**, [SEM] **sem and gsem option reliability()**, [SEM] **sem and gsem syntax options**, [SEM] **sem estimation options**, [SEM] **sem group options**, [SEM] **sem model description options**, [SEM] **sem option method()**, [SEM] **sem option noxconditional**, [SEM] **sem option select()**, [SEM] **sem reporting options**, [SEM] **sem ssd options**
- sem command, *continued*
 - path notation, [SEM] **sem and gsem path notation**, [SEM] **sem path notation extensions**
 - postestimation, [SEM] **sem postestimation**
- semicolons, [M-2] **Semicolons**
- semiconjugacy, see semiconjugate prior
- semiconjugate prior, [BAYES] **Intro**, [BAYES] **bayesmh**, [BAYES] **Glossary**
- semiparametric imputation method, see imputation, predictive mean matching
- semiparametric model, [ST] **stcox**, [ST] **sterreg**, [ST] **stintcox**, [ST] **Glossary**
- semirobust standard errors, [XT] **Glossary**
- sensitivity, [R] **estat classification**, [R] **lroc**, [R] **lsens**, also see receiver operating characteristic analysis
- analysis, [META] **Intro**, [META] **meta summarize**, [META] **meta regress**, [META] **meta mvregress**, [META] **Glossary**, [PSS-2] **power**, [PSS-2] **power, graph**, [PSS-2] **power, table**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth, graph**, [PSS-3] **ciwidth, table**, [PSS-5] **Glossary**, also see Bayesian, sensitivity analysis
- model, [R] **regress postestimation**, [R] **rreg**
- separate command, [D] **separate**
- separating string variables into parts, [D] **split**
- seq(), egen function, [D] **egen**
- sequential imputation, [MI] **mi impute**, [MI] **mi impute chained**, [MI] **mi impute monotone**
- sequential limit theory, [XT] **Glossary**
- sequential regression multivariate imputation, see imputation, multivariate, chained equations
- serial correlation, [TS] **Glossary**, also see autocorrelation
- test, [TS] **Glossary**, also see autocorrelation test
- serial independence test, [R] **regress postestimation time series**, [R] **runtest**, [TS] **varlmar**, [TS] **veclmar**, [XT] **xtabond postestimation**, [XT] **xtdpd postestimation**, [XT] **xtdpdsys postestimation**
- series, **npregress** subcommand, [R] **npregress intro**, [R] **npregress series**
- series regression, [R] **npregress series**
- serrbar command, [R] **serrbar**

setattr, [P] setattr

clear command, [P] **setattr**
 create command, [P] **setattr**
 create_cspline command, [P] **setattr**
 create_xmedians command, [P] **setattr**
 dir command, [P] **setattr**
 drop command, [P] **setattr**
 reset_id command, [P] **setattr**
 set command, [P] **setattr**
 sort command, [P] **setattr**
 summarize command, [P] **setattr**
 use command, [P] **setattr**

setattrread, file subcommand, [P] setattr**setattrwrite, file subcommand, [P] setattr****session, recording, [R] log, [U] 15 Saving and printing output—log files****set**

adosize command, [P] **sysdir**, [R] **set**,
 [U] 18.11 Ado-files
 autotabgraphs command, [R] **set**
 cformat command, [R] **set**, [R] **set cformat**
 clevel command, [BAYES] **set clevel**, [R] **set**
 coeftabresults command, [R] **set**
 collect_double command, [TABLES] **set**
collect_double
 collect_label command, [TABLES] **set**
collect_label
 collect_style command, [TABLES] **set**
collect_style
 collect_warn command, [TABLES] **set**
collect_warn
 command, [R] **query**, [R] **set**
 conren command, [R] **set**
 copycolor command, [G-2] **set printcolor**, [R] **set**
 dockable command, [R] **set**
 docx_hardbreak command, [R] **set**, [RPT] **set**
docx
 docx_paramode command, [R] **set**, [RPT] **set docx**
 dots command, [R] **set**
 doublebuffer command, [R] **set**
 dp command, [D] **format**, [R] **set**
 emptycells command, [R] **set**, [R] **set emptycells**
 etable_style command, [R] **set**, [TABLES] **set**
etable_style
 fastscroll command, [R] **set**
 floatwindows command, [R] **set**
 fredkey command, [D] **import fred**, [R] **set**
 fvbbase command, [R] **set**
 fvlabel command, [R] **set**, [R] **set showbaselevels**
 fvtrack command, [R] **set**
 fvwrap command, [R] **set**, [R] **set showbaselevels**
 fvwrapon command, [R] **set**, [R] **set**
showbaselevels
 graphics command, [G-2] **set graphics**, [R] **set**
 haverdir command, [D] **import haver**, [R] **set**
 httpproxy command, [R] **netio**, [R] **set**
 httpproxyauth command, [R] **netio**, [R] **set**
 httpproxyhost command, [R] **netio**, [R] **set**

set, continued

httpproxyport command, [R] **netio**, [R] **set**
 httpproxyport command, [R] **netio**, [R] **set**
 httpproxyuser command, [R] **netio**, [R] **set**
 include_bitmap command, [R] **set**
 iterlog command, [R] **set**, [R] **set iter**
 java_heapmax command, [P] **Java utilities**, [R] **set**
 java_home command, [P] **Java utilities**, [R] **set**
 lapack_mkl command, [M-1] **LAPACK**, [R] **set**
 lapack_mkl_cnr command, [M-1] **LAPACK**,
 [R] **set**
 level command, [R] **level**, [R] **set**
 linegap command, [R] **set**
 linesize command, [R] **log**, [R] **set**
 locale_functions command, [P] **set**
locale_functions, [R] **set**
 locale_ui command, [P] **set locale_ui**, [R] **set**
 locksplitters command, [R] **set**
 logmsg command, [R] **log**, [R] **set**
 logtype command, [R] **log**, [R] **set**
 lstretch command, [R] **set**
 maxbezierpath command, [R] **set**
 maxdb command, [R] **db**, [R] **set**
 maxiter command, [R] **set**, [R] **set iter**
 max_memory command, [D] **memory**, [R] **set**
 max_preservemem command, [P] **preserve**
 max_preservemem command, [R] **set**
 maxvar command, [D] **memory**, [R] **set**
 min_memory command, [D] **memory**, [R] **set**
 more command, [P] **more**, [R] **more**, [R] **set**,
 [U] 7 –more– conditions
 niceness command, [D] **memory**, [R] **set**
 notifyuser command, [R] **set**
 obs command, [D] **obs**, [R] **set**
 odbcdriver command, [D] **odbc**, [R] **set**
 odbcmgr command, [D] **odbc**, [R] **set**
 output command, [P] **quietly**, [R] **set**
 pagesize command, [R] **more**, [R] **set**
 pformat command, [R] **set**, [R] **set cformat**
 pinnable command, [R] **set**
 playsnd command, [R] **set**
 print, graph subcommand, [G-2] **graph set**
 printcolor command, [G-2] **set printcolor**, [R] **set**
 processors command, [R] **set**
 python_exec command, [P] **PyStata integration**,
 [R] **set**
 python_userpath command, [P] **PyStata**
integration, [R] **set**
 reventries command, [R] **set**
 revkeyboard command, [R] **set**
 rmsg command, [P] **creturn**, [P] **error**, [P] **rmsg**,
 [R] **set**, [U] 8 Error messages and return codes
 rng command, [R] **set**, [R] **set rng**
 rngstate command, [R] **set**, [R] **set seed**
 rngstream command, [R] **set**, [R] **set rngstream**
 scheme command, [G-2] **set scheme**,
 [G-4] **Schemes intro**, [R] **set**

set, continued

scrollbuffsize command, [R] **set**
 searchdefault command, [R] **search**, [R] **set**
 seed command, [R] **set**, [R] **set seed**
 segmentsize command, [D] **memory**, [R] **set**
 sformat command, [R] **set**, [R] **set cformat**
 showbaselevels command, [R] **set**, [R] **set showbaselevels**
 showemptycells command, [R] **set**, [R] **set showbaselevels**
 showomitted command, [R] **set**, [R] **set showbaselevels**
 smoothfonts command, [R] **set**
 sortmethod command, [P] **set sortmethod**, [R] **set**
 sortrngstate command, [P] **set sortrngstate**, [R] **set**
 table_style command, [R] **set**, [TABLES] **set table_style**
 trace command, [P] **trace**, [R] **set**
 tracedepth command, [P] **trace**, [R] **set**
 traceexpand command, [P] **trace**, [R] **set**
 tracehilite command, [P] **trace**, [R] **set**
 traceindent command, [P] **trace**, [R] **set**
 tracenumber command, [P] **trace**, [R] **set**
 tracesep command, [P] **trace**, [R] **set**
 type command, [D] **generate**, [R] **set**
 update_interval command, [R] **set**, [R] **update**
 update_prompt command, [R] **set**, [R] **update**
 update_query command, [R] **set**, [R] **update**
 varabbrev command, [R] **set**
 varkeyboard command, [R] **set**

set,

bayesirf subcommand, [BAYES] **bayesirf**
 cluster subcommand, [MV] **cluster programming utilities**
 collect subcommand, [TABLES] **collect set**
 datasignature subcommand, [D] **datasignature**
 file subcommand, [P] **file**
 graph subcommand, [G-2] **graph set**
 irf subcommand, [TS] **irf set**
 meta subcommand, [META] **meta set**
 mi subcommand, [MI] **mi set**
 putexcel subcommand, [RPT] **putexcel**, [RPT] **putexcel advanced**
 serser subcommand, [P] **serser**
 ssd subcommand, [SEM] **ssd**
 sysdir subcommand, [P] **sysdir**
 translator subcommand, [R] **translate**
 vl subcommand, [D] **vl set**
 webuse subcommand, [D] **webuse**

set M, [MI] **mi add**, [MI] **mi set**

set ado, **net** subcommand, [R] **net**

set exec subcommand, [P] **PyStata integration**

set heapmax, **java** subcommand, [P] **Java utilities**

set home, **java** subcommand, [P] **Java utilities**

set matacache, **mata** subcommand, [M-3] **mata set**, [R] **set**

set matafavor, **mata** subcommand, [M-3] **mata set**, [M-5] **favorspeed()**, [R] **set**

set matalibs, **mata** subcommand, [M-3] **mata set**, [R] **set**

set matalnum, **mata** subcommand, [M-3] **mata set**, [R] **set**

set matamofirst, **mata** subcommand, [M-3] **mata set**, [R] **set**

set mataoptimize, **mata** subcommand, [M-3] **mata set**, [R] **set**

set matasolveto1, **mata** subcommand, [M-3] **mata set**, [R] **set**

set matastrict, **mata** subcommand, [M-1] **Ado**, [M-2] **Declarations**, [M-3] **mata set**, [R] **set**

set mi data, [MI] **mi set**

set other, **net** subcommand, [R] **net**

set userpath subcommand, [P] **PyStata integration**

setbreakintr() function, [M-5] **setbreakintr()**

set_defaults command, [R] **set_defaults**

setmore() function, [M-5] **more()**

setmoreonexit() function, [M-5] **more()**

settings,

display, [R] **set showbaselevels**

efficiency, [P] **sysdir**

format, [R] **set cformat**

graphics, [G-2] **set graphics**, [G-2] **set printcolor**, [G-2] **set scheme**, [P] **creturn**

interface, [P] **creturn**, [R] **db**

Java, [P] **creturn**

LAPACK, [M-1] **LAPACK**, [P] **creturn**

Mata, [M-3] **mata set**, [P] **creturn**

memory, [D] **memory**, [P] **creturn**

network, [P] **creturn**, [R] **netio**

output, [BAYES] **set clevel**, [D] **format**, [P] **creturn**, [P] **rmmsg**, [R] **level**, [R] **log**, [R] **more**, [R] **set cformat**, [R] **set showbaselevels**, [U] 7 **—more—conditions**

program debugging, see **settings trace**

putdocx, [P] **creturn**

Python, [P] **creturn**

random-number generator, [R] **set rng**, [R] **set rngstream**

RNG, [P] **creturn**

sort, [P] **creturn**, [P] **set sortmethod**, [P] **set sortrngstate**

trace, [P] **creturn**, [P] **trace**

Unicode, [P] **creturn**, [P] **set locale_functions**, [P] **set locale-ui**

update, [P] **creturn**, [R] **update**

sformat, **set** subcommand, [R] **set**, [R] **set cformat**
sfrancia command, [R] **swilk**

shadestyle, [G-4] **shadestyle**, [G-4] **Glossary**

shading region, [G-3] **region_options**

shape parameter, [BAYES] **bayes**, [BAYES] **bayesmh**, [R] **nbreg**, [ST] **stntreg**, [ST] **streg**, [ST] **Glossary**, [TE] **stteffects postestimation**, [TE] **Glossary**

shapefiles, [SP] **Intro 3**, [SP] **spbalance**, [SP] **spset**, [SP] **spshape2dta**, [SP] **Glossary**, *also see* **area data**

standard-format, [SP] **Intro 4**

Stata-format, [SP] **Intro 4**

translating to Stata format, [SP] **Intro 4**

Shapiro–Francia test for normality, [R] **swilk**

Shapiro–Wilk test for normality, [R] **swilk**

shared frailty, [ST] **stcox**, [ST] **stcox postestimation**, [ST] **stcurve**, [ST] **streg**, [ST] **streg postestimation**, [ST] **Glossary**

shared object, [P] **class**, [P] **plugin**

shell command, [D] **shell**

Shepard

diagram, [MV] **mds postestimation plots**, [MV] **Glossary**

plot, [MV] **mds postestimation plots**

shewhart command, [R] **QC**

shift, macro subcommand, [P] **macro**

shock variable, [DSGE] **Glossary**

showbaselevels, set subcommand, [R] **set**, [R] **set showbaselevels**

showdbs, jdbc subcommand, [D] **jdbc**

showemptycells, set subcommand, [R] **set**, [R] **set showbaselevels**

showomitted, set subcommand, [R] **set**, [R] **set showbaselevels**

showtables, jdbc subcommand, [D] **jdbc**

.shp files, [SP] **Intro 4**, *also see* **shapefiles**

*_shp.dta files, [SP] **Intro 4**, [SP] **spcompress**

*_shp.dta files, *also see* **shapefiles**

SHR, *see* **subhazard ratio**

shwinters, tssmooth subcommand, [TS] **tssmooth shwinters**

Šidák's multiple-comparison adjustment, *see* **multiple comparisons**, Šidák's method

sign() function, [FN] **Mathematical functions**, [M-5] **sign()**

sign test, [PSS-2] **power oneproportion**, [PSS-5] **Glossary**

signature of data, [D] **checksum**, [D] **datasignature**, [P] **_datasignature**, [P] **signestimationsample**
signestimationsample command,
[P] **signestimationsample**

significance contours, [META] **meta funnelplot**, [META] **Glossary**

significance level, [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power oneslope**, [PSS-2] **power rsquared**, [PSS-2] **power pcorr**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-2] **power trend**, [PSS-2] **power cox**,

significance level, *continued*

[PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**, [R] **level**, [U] **20.8 Specifying the width of confidence intervals**

observed, *see* **p-value**

signing digitally data, *see* **datasignature** command

signrank command, [R] **signrank**

signtest command, [R] **signrank**

signum function, *see* **sign()** function

similarity, [MV] **Glossary**

matrices, [MV] **matrix dissimilarity**, [P] **matrix dissimilarity**

measures, [MV] **cluster**, [MV] **cluster programming utilities**, [MV] **matrix dissimilarity**, [MV] **measure_option**, [P] **matrix dissimilarity**

Anderberg coefficient, [MV] **measure_option**

angular, [MV] **measure_option**

correlation, [MV] **measure_option**

Dice coefficient, [MV] **measure_option**

Gower coefficient, [MV] **measure_option**

Hamann coefficient, [MV] **measure_option**

Jaccard coefficient, [MV] **measure_option**

Kulczyński coefficient, [MV] **measure_option**

matching coefficient, [MV] **measure_option**

Ochiai coefficient, [MV] **measure_option**

Pearson coefficient, [MV] **measure_option**

Rogers and Tanimoto coefficient,

[MV] **measure_option**

Russell and Rao coefficient,

[MV] **measure_option**

Sneath and Sokal coefficient,

[MV] **measure_option**

Yule coefficient, [MV] **measure_option**

simple asymmetric autoregressive conditional

heteroskedasticity, [TS] **arch**

simple random sample, [SVY] **Glossary**, *also see* **random sample**

Simpson's rule, [PSS-2] **power logrank**

simulate prefix command, [R] **simulate**

simulated outcome, [BAYES] **bayesstats ppvalues**, [BAYES] **bayespredict**, [BAYES] **Glossary**

simulation, [TS] **forecast**, [TS] **forecast adjust**, [TS] **forecast clear**, [TS] **forecast coefvector**, [TS] **forecast create**, [TS] **forecast describe**, [TS] **forecast drop**, [TS] **forecast estimates**, [TS] **forecast exogenous**, [TS] **forecast identity**, [TS] **forecast list**, [TS] **forecast query**, [TS] **forecast solve**, [U] **20.21 Dynamic forecasts and simulations**

Markov chain Monte Carlo, *see* **Markov chain Monte Carlo**

Monte Carlo, *see* **Monte Carlo simulations**

- simultaneous
 autoregressive model, see [spatial autoregressive model](#)
 bootstraps and simulations, [R] [set rngstream](#)
 causation, [ERM] [Intro 3](#), [ERM] [Triangularize](#), [ERM] [Glossary](#)
 equations, solving, [M-1] [LAPACK](#), [M-5] [lapack\(\)](#)
 log files, [U] [15.6 Creating multiple log files for simultaneous use](#)
 quantile regression, [R] [qreg](#)
 system, [DSGE] [Intro](#), [ERM] [Glossary](#), [SEM] [estat stable](#), [SEM] [Example 7](#), [TS] [forecast](#), [U] [27.28 Dynamic stochastic general equilibrium \(DSGE\) models](#)
 systems, [R] [reg3](#)
- [sin\(\)](#) function, [FN] [Trigonometric functions](#), [M-5] [sin\(\)](#)
- sine functions, [FN] [Trigonometric functions](#), [M-5] [sin\(\)](#)
- single subgroup analysis, [META] [meta forestplot](#), [META] [meta funnelplot](#), [META] [Glossary](#)
- single-failure st data, see [survival analysis](#)
- single-imputation methods, [MI] [Intro substantive singlelinkage](#),
 clustermat subcommand, [MV] [cluster linkage](#)
 cluster subcommand, [MV] [cluster linkage](#)
- single-linkage clustering, [MV] [cluster](#), [MV] [clustermat](#), [MV] [cluster linkage](#), [MV] [Glossary](#)
- single-precision floating point number, [U] [12.2.2 Numeric storage types](#)
- single-record st data, see [st data](#), see [survival analysis](#)
- singleton strata, [SVY] [estat](#), [SVY] [Variance estimation](#)
- singleton-group data, [ST] [stcox](#), [ST] [Glossary](#)
- singular value decomposition, [M-5] [svd\(\)](#), [M-5] [fullsvd\(\)](#), [MV] [Glossary](#), [P] [matrix svd](#)
- [sinh\(\)](#) function, [FN] [Trigonometric functions](#), [M-5] [sin\(\)](#)
- SIR, see [standardized incidence ratio](#)
- SITE directory, [P] [sysdir](#), [U] [17.5 Where does Stata look for ado-files?](#)
- size*, [G-4] [size](#)
- size*, [estat](#) subcommand, [SVY] [estat](#)
- size of
 all text and markers, [G-3] [scale_option](#)
 graph, [G-3] [region_options](#)
 changing, [G-2] [graph display](#)
 graph objects, [G-4] [size](#)
 markers, [G-3] [marker_options](#)
 test, [PSS-5] [Glossary](#)
 text, [G-3] [textbox_options](#)
- [sizeof\(\)](#) function, [M-5] [sizeof\(\)](#)
- SJ, see [Stata Journal](#) and [Stata Technical Bulletin](#)
- [sj, net](#) subcommand, [R] [net](#)
- [sj](#) scheme, [G-4] [Scheme sj](#)
- [skew\(\)](#), [egen](#) function, [D] [egen](#)
- skewed logistic regression, [R] [scobit](#), [SVY] [svy estimation](#)
- skewness, [CM] [cmsummarize](#), [MV] [mvtest normality](#), [R] [ladder](#), [R] [regress postestimation](#), [R] [summarize](#), [TS] [varnorm](#), [R] [lnskew0](#), [R] [lv](#), [R] [pksumm](#), [R] [sktest](#), [R] [table](#), [R] [table summary](#), [R] [tabstat](#)
 `_skip(#)`, display directive, [P] [display](#)
- [sktest](#) command, [R] [sktest](#)
- [sleep](#) command, [P] [sleep](#)
- [slogit](#) command, [R] [slogit](#), [R] [slogit postestimation](#)
- slope, [IRT] [Glossary](#)
- S_ macros, [P] [creturn](#), [P] [macro smallestdouble\(\)](#) function, [FN] [Programming functions](#), [M-5] [mindouble\(\)](#)
- small-study effects, [META] [meta](#), [META] [meta set](#), [META] [meta funnelplot](#), [META] [Glossary](#)
- [smc](#), [estat](#) subcommand, [MV] [factor postestimation](#), [MV] [pca postestimation](#)
- SMCL, see [Stata Markup and Control Language](#)
- `.smcl` file, [U] [11.6 Filenaming conventions](#)
- [smcslsymbolpalette](#), [palette](#) subcommand, [G-2] [palette](#)
- [smooth](#) command, [R] [smooth](#)
- [smooth](#) treatment-effects estimator, [TE] [stteffects ipw](#), [TE] [stteffects ipwra](#), [TE] [stteffects ra](#), [TE] [stteffects wra](#), [TE] [teffects aipw](#), [TE] [teffects ipw](#), [TE] [teffects ipwra](#), [TE] [teffects ra](#), [TE] [telasso](#), [TE] [Glossary](#)
- smoothers, [TS] [tssmooth](#), [TS] [Glossary](#)
 double exponential, [TS] [tssmooth dexponential](#)
 exponential, [TS] [tssmooth exponential](#)
 graphs, [G-2] [graph twoway lpoly](#), [R] [kdensity](#), [R] [lowess](#), [R] [lpoly](#)
 Holt–Winters,
 nonseasonal, [TS] [tssmooth hwinters](#)
 seasonal, [TS] [tssmooth shwinters](#)
 kernel density estimation, [R] [kdensity](#)
 local polynomial, [R] [lpoly](#)
 lowess, [R] [lowess](#)
 moving average, [TS] [tssmooth ma](#)
 nonlinear, [TS] [tssmooth nl](#)
 robust, [R] [smooth](#)
- [smoothfonts](#), [set](#) subcommand, [R] [set](#)
- [smoothing](#), see [smoothers](#)
- SMR, see [standardized mortality ratio](#)
- [snapshot](#), also see [preserve data snapshot](#)
 erase command, [D] [snapshot](#)
 label command, [D] [snapshot](#)
 list command, [D] [snapshot](#)
 restore command, [D] [snapshot](#)
 save command, [D] [snapshot](#)
- [snapshot](#) data, [D] [snapshot](#), [ST] [snapspan](#), [ST] [stset](#), [ST] [Glossary](#)
- [snapspan](#) command, [ST] [snapspan](#)
- Sneath and Sokel coefficient similarity measure, [MV] [measure_option](#)

soft missing value, [MI] **mi impute**, [MI] **Glossary**

solve $AX=B$, [M-4] **Solvers**, [M-5] **cholsolve()**,

[M-5] **lusolve()**, [M-5] **qrsolve()**,

[M-5] **solve_tol()**, [M-5] **solverlower()**,

[M-5] **svsolve()**

solve, forecast subcommand, [TS] **forecast solve**

_solverlower() function, [M-5] **solverlower()**

solverlower() function, [M-5] **solverlower()**

_solverlowerlapacke() function, [M-5] **solverlower()**

solverlowerlapacke() function, [M-5] **solverlower()**

solvenl_dump() function, [M-5] **solvenl()**

solvenl_init() function, [M-5] **solvenl()**

solvenl_init_*(*) functions, [M-5] **solvenl()**

solvenl_result_*(*) functions, [M-5] **solvenl()**

_solvenl_solve() function, [M-5] **solvenl()**

solvenl_solve() function, [M-5] **solvenl()**

solve_tol() function, [M-5] **solve_tol()**

_solveterolerance, [M-5] **solve_tol()**

_solveupper() function, [M-5] **solverlower()**

solveupper() function, [M-5] **solverlower()**

_solveupperlapacke() function, [M-5] **solverlower()**

solveupperlapacke() function, [M-5] **solverlower()**

sort command, [D] **sort**

_sort() function, [M-5] **sort()**

sort() function, [M-5] **sort()**

sort option, [G-3] **connect_options**

sort order,

ascending, [D] **sort**

ascending and descending, [D] **gsort**

displaying, [D] **describe**

for strings, [U] **13.2.3 Relational operators**

with Unicode, [D] **unicode collator**, [FN] **String functions**, [M-5] **ustrcompare()**,

[U] **12.4.2.5 Sorting strings containing Unicode characters**

in byable() programs, [P] **byable**

rows of matrix, [M-5] **sort()**, [M-5] **uniqrows()**

with by varlist:, [U] **11.5 by varlist: construct**

with missing values, [U] **12.2.1 Missing values**

with sersets, [P] **seriset**

within programs, [P] **macro**, [P] **sortpreserve**

sort, query subcommand, [R] **query**

sort, serset subcommand, [P] **seriset**

sortedby macro function, [P] **macro**

sortmethod, set subcommand, [P] **set sortmethod**, [R] **set**

sortpreserve option, [P] **sortpreserve**

sortngstate, set subcommand, [P] **set sortngstate**, [R] **set**

soundex() function, [FN] **String functions**, [M-5] **soundex()**

soundex_nara() function, [FN] **String functions**, [M-5] **soundex()**

source code,

ado-files,

viewing, [P] **viewsource**

where to put, [P] **sysdir**

Mata, [M-6] **Glossary**

source code, Mata, *continued*

object code, [M-1] **How**

viewing, [M-1] **Source**

where to put, [M-1] **Ado**

Sp, see **spatial**

sparse data, [META] **meta esize**, [META] **Glossary**

sparse data limiting model, [META] **meta esize**, [META] **Glossary**

sparsity assumption, [LASSO] **Lasso inference intro**, [LASSO] **Inference requirements**, [LASSO] **Glossary**

spatial, [SP] **Glossary**

autoregressive model, [SP] **Intro**, [SP] **Intro 1**,

[SP] **spivregress**, [SP] **spregress**,

[SP] **spxtregress**, [SP] **Glossary**,

[U] **27.19 Spatial autoregressive models**

direct, indirect, and total impacts,

[SP] **spivregress postestimation**,

[SP] **spregress postestimation**,

[SP] **spxtregress postestimation**

Moran's test of residual correlation with nearby residuals, [SP] **estat moran**

data, [SP] **spbalance**, [SP] **spcompress**,

[SP] **spgenerate**, [SP] **spset**, [SP] **spshape2dta**,

[SP] **Glossary**, also see **area data**

estimation, [SP] **Intro 8**

lags, [SP] **Intro 1**, [SP] **Intro 2**, [SP] **spgenerate**, [SP] **Glossary**

use with non-SP datasets, [SP] **spgenerate**

simultaneous autoregressive model, see **spatial autoregressive model**

units, [SP] **Glossary**

weighting matrix, [SP] **Intro 1**, [SP] **spgenerate**,

[SP] **spmatrix**, [SP] **spmatrix copy**,

[SP] **spmatrix note**, [SP] **spmatrix save**,

[SP] **spmatrix use**, [SP] **Glossary**

advanced construction, [SP] **spmatrix**

spfrommata, [SP] **spmatrix userdefined**

contiguity, [SP] **spmatrix create**

creating from data, [SP] **spmatrix fromdata**

dropping from memory, [SP] **spmatrix drop**

ex post contiguity, [SP] **spmatrix summarize**

explained, [SP] **Intro 2**

exporting as text file, [SP] **spmatrix export**

import from text file, [SP] **spmatrix import**

inverse distance, [SP] **spmatrix create**,

[SP] **spmatrix userdefined**

inverse-distance contiguity, [SP] **spmatrix create**

listing, [SP] **spmatrix drop**

manipulation from Mata, [SP] **spmatrix userdefined**

manipulation in Mata, [SP] **spmatrix**

metafromsp, [SP] **spmatrix spfrommata**

normalization, [SP] **spmatrix create**

panel data, [SP] **spmatrix create**

renormalizing, [SP] **spmatrix normalize**

user-defined, [SP] **spmatrix fromdata**,

[SP] **spmatrix spfrommata**, [SP] **spmatrix userdefined**

- spatially autoregressive error, see [autoregressive error](#)
- spbalance** command, [SP] [Intro 4](#), [SP] [Intro 6](#)
- spcompress** command, [SP] [spcompress](#)
- spdistance** command, [SP] [spdistance](#)
- Spearman–Brown prophecy formula, [MV] [alpha](#)
- spearman** command, [R] [spearman](#)
- Spearman’s rho, [R] [spearman](#)
- specification test, [R] [gmm postestimation](#),
[R] [hausman](#), [R] [ivpoisson postestimation](#),
[R] [ivregress postestimation](#), [R] [linktest](#),
[R] [lnskew0](#), [R] [regress postestimation](#),
[R] [suest](#), [ST] [stcox](#), [ST] [stcox PH-assumption tests](#), [ST] [stcox postestimation](#), [ST] [stsplit](#),
[TS] [varlmar](#), [TS] [vec intro](#), [TS] [veclmar](#),
[XT] [xtreg postestimation](#)
- specificity, [MV] [factor](#), [R] [estat classification](#),
[R] [lroc](#), [R] [lsens](#), also see [receiver operating characteristic analysis](#)
- spectral**
analysis, see [frequency-domain analysis](#)
density, [TS] [psdensity](#), [TS] [Glossary](#)
distribution, [TS] [cumsp](#), [TS] [pergram](#),
[TS] [psdensity](#), [TS] [Glossary](#)
plots, cumulative, [TS] [cumsp](#)
- spell data**, [ST] [Discrete](#), [ST] [Glossary](#)
- spfrommata**,
[spmatrix](#) subcommand, [SP] [spmatrix spfrommata](#)
- spgenerate** command, [SP] [spgenerate](#)
- spherical covariance, [MV] [mvtest covariances](#)
- sphericity, [MV] [Glossary](#)
assumption, [PSS-2] [power repeated](#),
[PSS-5] [Glossary](#)
- Spiegelhalter’s *Z* statistic, [R] [brier](#)
- spike**, [graph](#) [twoway](#) subcommand, [G-2] [graph twoway spike](#)
- spike plot**, [R] [spikeplot](#)
- spikeplot** command, [R] [spikeplot](#)
- spillover effects, [SP] [Intro 2](#), [SP] [spivregress postestimation](#), [SP] [spregress postestimation](#), [SP] [spxtregress postestimation](#), [SP] [Glossary](#)
- spivregress** command, [SP] [Intro 8](#), [SP] [spivregress](#), [SP] [spivregress postestimation](#)
- spline**
basis, [R] [npregress series](#)
natural, [R] [npregress series](#)
- spline3()** function, [M-5] [spline3\(\)](#)
- spline3eval()** function, [M-5] [spline3\(\)](#)
- splines**
linear, [R] [mkspline](#)
restricted cubic, [R] [mkspline](#)
- split** command, [D] [split](#)
- split data**, [D] [splitsample](#)
- split-plot designs**, [MV] [manova](#), [R] [anova](#)
- splitsample** command, [D] [splitsample](#)
- splitting time-span records**, [ST] [stsplit](#)
- spmatrix**
[clear](#) command, [SP] [spmatrix drop](#)
command, [SP] [spmatrix](#)
[copy](#) command, [SP] [spmatrix copy](#)
[create](#) command, [SP] [Intro 7](#), [SP] [spmatrix create](#)
[dir](#) command, [SP] [spmatrix drop](#), [SP] [spmatrix summarize](#)
[drop](#) command, [SP] [spmatrix drop](#)
[export](#) command, [SP] [spmatrix export](#)
[fromdata](#) command, [SP] [spmatrix fromdata](#)
[import](#) command, [SP] [spmatrix import](#),
[SP] [spmatrix normalize](#)
[matafromsp](#) command, [SP] [spmatrix create](#),
[SP] [spmatrix matafromsp](#)
[normalize](#) command, [SP] [spmatrix normalize](#)
[note](#) command, [SP] [spmatrix note](#), [SP] [spmatrix save](#)
[save](#) command, [SP] [spmatrix save](#)
[spfrommata](#) command, [SP] [spmatrix create](#),
[SP] [spmatrix spfrommata](#)
[summarize](#) command, [SP] [spmatrix summarize](#)
[use](#) command, [SP] [spmatrix use](#)
[userdefined](#) command, [SP] [spmatrix userdefined](#)
- spread**, see [percentiles](#), [displaying](#), see [standard deviations](#), [displaying](#), see [variance](#), [displaying](#), see [interquartile range](#), see [range of data](#)
- spreadsheets**,
[exporting](#), [D] [edit](#), [D] [export](#), [D] [import delimited](#), [D] [import excel](#), [D] [odbc](#), [D] [outfile](#)
collection, [R] [etable](#), [TABLES] [collect export results](#), [RPT] [putexcel](#), [RPT] [putexcel advanced](#), [U] [21.3 The putdocx, putpdf, and putexcel commands](#)
[importing](#), [D] [edit](#), [D] [import](#), [D] [import delimited](#), [D] [import excel](#), [D] [infile \(fixed format\)](#), [D] [infile \(free format\)](#), [D] [odbc](#), [U] [22 Entering and importing data](#)
[modifying](#), [RPT] [putexcel](#), [RPT] [putexcel advanced](#), [U] [21.3 The putdocx, putpdf, and putexcel commands](#)
- spregress** command, [SP] [Intro 7](#), [SP] [Intro 8](#), [SP] [estat moran](#), [SP] [spregress](#), [SP] [spregress postestimation](#)
- sprintf()** function, [M-5] [printf\(\)](#)
- spset** command, [SP] [Intro 4](#), [SP] [Intro 5](#), [SP] [Intro 6](#), [SP] [spset](#)
- spshape2dta** command, [SP] [Intro 4](#), [SP] [Intro 7](#), [SP] [spshape2dta](#)
- SPSS dates**, [D] [Datetime values from other software](#)
- spss**, [import](#) subcommand, [D] [import spss](#)
- spxtregress** command, [SP] [Intro 8](#), [SP] [spxtregress](#), [SP] [spxtregress postestimation](#)
- SQL**, [D] [jdbc](#), [D] [odbc](#)
- sqlfile()**, [odbc](#) subcommand, [D] [odbc](#)
- sqreg** command, [R] [qreg](#), [R] [qreg postestimation](#)

- `sqrt()` function, [FN] **Mathematical functions**, [M-5] `sqrt()`
- `sqrtrlasso` command, [LASSO] **lasso postestimation**, [LASSO] `sqrtrlasso`
- `square`
 - brackets, [U] **11 Language syntax**, [U] **13.5.2 Multiple-equation models**, [U] **13.7 Explicit subscripting**
 - graph, *see* aspect ratio
 - marker symbols, [G-4] *symbolstyle*
 - matrix, [M-6] **Glossary**
 - root, [M-5] `sqrt()`, [M-5] `cholesky()`, [FN] **Mathematical functions**
 - transformation, [R] **ladder**
- squared multiple correlations, [MV] **factor postestimation**, [SEM] **Methods and formulas for sem**
- square-root lasso, [LASSO] `sqrtrlasso`, [LASSO] **Glossary**
- `sreturn`
 - `clear` command, [P] **return**
 - `list` command, [P] **return**, [R] **Stored results**
 - `local` command, [P] **return**
- SRMI, *see* **imputation**, multivariate, chained equations
- SRMR, *see* standardized, root mean squared residual
- SRS, *see* **simple random sample**
- `ss()` function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] `date()`
- `ssc`
 - `copy` command, [R] `ssc`
 - `describe` command, [R] `ssc`
 - `hot` command, [R] `ssc`
 - `install` command, [R] `ssc`
 - `new` command, [R] `ssc`
 - `type` command, [R] `ssc`
 - `uninstall` command, [R] `ssc`
- SSC Archive, *see* **Statistical Software Components Archive**
- `sscC()` function, [D] **Datetime**, [FN] **Date and time functions**, [M-5] `date()`
- SSCP matrix, [MV] **Glossary**
- SSD, *see* **summarize data**, **summary statistics**
- `ssd`
 - `addgroup` command, [SEM] `ssd`
 - `build` command, [SEM] `ssd`
 - `describe` command, [SEM] `ssd`
 - `init` command, [SEM] `ssd`
 - `list` command, [SEM] `ssd`
 - `repair` command, [SEM] `ssd`
 - `set` command, [SEM] `ssd`
 - `status` command, [SEM] `ssd`
 - `unaddgroup` command, [SEM] `ssd`
- `sspace` command, [TS] `sspace`, [TS] `sspace postestimation`
- SSU, *see* **secondary sampling unit**
- `_st_addobs()` function, [M-5] `st_addobs()`
- `st_addobs()` function, [M-5] `st_addobs()`
- `_st_addvar()` function, [M-5] `st_addvar()`
- `st_addvar()` function, [M-5] `st_addvar()`
- `st` command, [ST] `stset`
- `st` commands for `mi` data, [MI] **mi stsplit**
- `st_ct`, [ST] `st_is`
- `st` data, [ST] `st`, [ST] **Glossary**, [TE] **Glossary**
- `_st_data()` function, [M-5] `st_data()`
- `st_data()` function, [M-5] `st_data()`
- `st_dir()` function, [M-5] `st_dir()`
- `st_dropobsif()` function, [M-5] `st_dropvar()`
- `st_dropobsin()` function, [M-5] `st_dropvar()`
- `st_dropvar()` function, [M-5] `st_dropvar()`
- `st_eclear()` function, [M-5] `st_rclear()`
- `st_framecopy()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_framecreate()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_framecurrent()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_framedir()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_framedrop()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_framedropabc()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_frameexists()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_framereaname()` function, [D] **frames intro**, [M-5] `st_frame*()`
- `st_global()` function, [M-5] `st_global()`
- `st_global_hcat()` function, [M-5] `st_global()`
- `st_is` 2, [ST] `st_is`
- `st_isfmt()` function, [M-5] `st_isfmt()`
- `st_islname()` function, [M-5] `st_islname()`
- `st_isname()` function, [M-5] `st_isname()`
- `st_isnumfmt()` function, [M-5] `st_isfmt()`
- `st_isnumvar()` function, [M-5] `st_vartype()`
- `st_isstrfmt()` function, [M-5] `st_isfmt()`
- `st_isstrvar()` function, [M-5] `st_vartype()`
- `st_keeppobsif()` function, [M-5] `st_dropvar()`
- `st_keeppobsin()` function, [M-5] `st_dropvar()`
- `st_keeppvar()` function, [M-5] `st_dropvar()`
- `st_local()` function, [M-5] `st_local()`
- `_st_macroexpand()` function, [M-5] `st_macroexpand()`
- `st_macroexpand()` function, [M-5] `st_macroexpand()`
- `st_matrix()` function, [M-5] `st_matrix()`
- `st_matrix_hcat()` function, [M-5] `st_matrix()`
- `st_matrixcolstripe()` function, [M-5] `st_matrix()`
- `st_matrixrowstripe()` function, [M-5] `st_matrix()`
- `st`, `mi` subcommand, [MI] **mi XXXset**
- `st_nobs()` function, [M-5] `st_nvar()`
- `st_numscalar()` function, [M-5] `st_numscalar()`
- `st_numscalar_hcat()` function, [M-5] `st_numscalar()`
- `st_nvar()` function, [M-5] `st_nvar()`
- `st_rclear()` function, [M-5] `st_rclear()`
- `st_replacematrix()` function, [M-5] `st_matrix()`

- st_sclear()** function, [M-5] **st_rclear()**
_st_sdata() function, [M-5] **st_data()**
st_sdata() function, [M-5] **st_data()**
st_select() function, [M-5] **select()**
st_show, [ST] **st_is**
_st_sstore() function, [M-5] **st_store()**
st_sstore() function, [M-5] **st_store()**
_st_store() function, [M-5] **st_store()**
st_store() function, [M-5] **st_store()**
st_strscalar() function, [M-5] **st_numscalar()**
st_subview() function, [M-5] **st_subview()**
st_sview() function, [M-5] **st_view()**
st_tempfilename() function, [M-5] **st_tempname()**
st_tempname() function, [M-5] **st_tempname()**
_st_tsrevar() function, [M-5] **st_tsrevar()**
st_tsrevar() function, [M-5] **st_tsrevar()**
st_updata() function, [M-5] **st_updata()**
st_varformat() function, [M-5] **st_varformat()**
_st_varindex() function, [M-5] **st_varindex()**
st_varindex() function, [M-5] **st_varindex()**
st_varlabel() function, [M-5] **st_varformat()**
st_varname() function, [M-5] **st_varname()**
st_varrename() function, [M-5] **st_varrename()**
st_vartype() function, [M-5] **st_vartype()**
st_varvaluelabel() function, [M-5] **st_varformat()**
st_view() function, [M-5] **st_view()**
st_viewobs() function, [M-5] **st_viewvars()**
st_viewvars() function, [M-5] **st_viewvars()**
st_vldrop() function, [M-5] **st_vlexists()**
st_vlexists() function, [M-5] **st_vlexists()**
st_vlload() function, [M-5] **st_vlexists()**
st_vlmap() function, [M-5] **st_vlexists()**
st_vlmodify() function, [M-5] **st_vlexists()**
st_vlsearch() function, [M-5] **st_vlexists()**
 stability, [TS] **Glossary**
 condition, [TS] **Glossary**
 stability,
 ARIMA, [TS] **estat aroots**
 cumulative sum test, [TS] **estat sbcsum**
 DSGE, [DSGE] **Intro 5**, [DSGE] **estat stable**
 nonrecursive model, see nonrecursive model,
 stability of
 VAR, [BAYES] **bayesvarstable**
 VAR or SVAR, [TS] **var intro**, [TS] **var**, [TS] **var**
 svr, [TS] **varstable**
 VEC, [TS] **vec intro**, [TS] **vec**, [TS] **vecstable**
 stable, estat subcommand, [DSGE] **estat**
 stable, [SEM] **Intro 7**, [SEM] **estat stable**,
 [SEM] **Methods and formulas for sem**
 stable unit treatment value assumption, [TE] **teffects**
 intro advanced
 stack command, [D] **stack**
 stack data, [D] **stack**
 stacked variables, [MV] **ca**, [MV] **mca**, [MV] **Glossary**
 stacking variables, [MV] **ca**, [MV] **mca**, [MV] **Glossary**
 staircase, connecting points with, [G-4] **connectstyle**
 standard deviations, [PSS-2] **power**, [PSS-2] **power**
 onevariance, [PSS-3] **ciwidth**, [PSS-3] **ciwidth**
 onevariance
 confidence intervals for, [R] **ci**
 control-group, [PSS-2] **power twovariances**
 creating
 dataset of, [D] **collapse**
 dataset with specified structure, [D] **corr2data**
 variable containing, [D] **egen**
 discriminating variables group summary,
 [MV] **discrim estat**
 displaying, [CM] **cmsummarize**, [D] **codebook**,
 [R] **lv**, [R] **summarize**, [R] **table summary**,
 [R] **table**, [R] **tabstat**, [R] **tabulate**, **summarize()**
 for panel data, [XT] **xtsum**
 graphically, [R] **dotplot**
 with correlation matrix, [R] **correlate**
 estimation sample, [R] **estat summarize**
 experimental-group, [PSS-2] **power twovariances**
 independent, see standard deviations, two-sample
 jackknifed estimate, [R] **jackknife**
 of shocks, [DSGE] **Intro 1**, [DSGE] **Intro 7**
 one-sample, [PSS-2] **power onevariance**,
 [PSS-3] **ciwidth onevariance**
 posterior, see posterior standard deviation
 subpopulations, see subpopulation, standard
 deviations of
 testing equality of, [R] **sdtest**
 two-sample, [PSS-2] **power twovariances**
 variance components, [ME] **estat sd**, [META] **estat**
 sd, [SEM] **estat sd**
 within-cluster, [ME] **estat wcorrelation**
 standard error bar charts, [R] **serrbar**
 standard errors
 accessing, [P] **matrix get**, [U] **13.5 Accessing**
 coefficients and standard errors
 balanced repeated replication, see balanced repeated
 replication standard errors
 bootstrap, see bootstrap standard errors
 for general predictions, [R] **predictnl**
 forecast, [R] **predict**, [R] **regress postestimation**
 jackknife, see jackknife standard errors
 MCMC, see Monte Carlo standard error
 mean, [R] **ci**, [R] **mean**
 panel-corrected, see panel-corrected standard error
 population, [ERM] **Intro 5**
 prediction, [R] **glm**, [R] **predict**, [R] **regress**
 postestimation
 residuals, [R] **predict**, [R] **regress postestimation**
 robust, see robust, Abadie–Imbens standard errors,
 see robust, Huber/White/sandwich estimator of
 variance
 semirobust, see semirobust standard errors
 successive difference replication, see successive
 difference replication
 standard linear SEM, [SEM] **Glossary**, also see **sem**
 command
 standard strata, see direct standardization

standard weights, see [direct standardization](#)

standard-format shapefiles, see [shapefiles](#)

standardized

coefficients, [MV] [canon](#), [R] [regress](#),
[SEM] [Example 3](#), [SEM] [Example 6](#),
[SEM] [Glossary](#), also see [standardized](#)
[parameters](#)

correlation residual, [MV] [factor postestimation](#)

covariance, [SEM] [Glossary](#)

covariance residual, [SEM] [estat residuals](#),
[SEM] [Example 10](#), [SEM] [Methods and](#)
[formulas for sem](#)

data, [MV] [Glossary](#)

difference, [PSS-2] [power](#), [PSS-2] [power onemean](#),
[PSS-2] [power twomeans](#), [PSS-2] [power](#)
[pairedmeans](#), [PSS-3] [ciwidth twomeans](#),
[PSS-3] [ciwidth pairedmeans](#), [TE] [tebalance](#),
[TE] [tebalance summarize](#)

discriminant function coefficients, [MV] [candisc](#),
[MV] [discrim](#), [MV] [discrim lda](#), [MV] [discrim](#)
[lda postestimation](#), [MV] [scoreplot](#)

incidence ratio, [R] [dstdize](#)

incidence-rate difference, [R] [Eptab](#)

margins, [R] [margins](#)

mean residual, [SEM] [estat residuals](#),
[SEM] [Example 10](#), [SEM] [Methods and](#)
[formulas for sem](#)

means, [R] [mean](#)

mortality ratio, [R] [dstdize](#), [R] [Eptab](#),
[ST] [stptime](#), [ST] [strate](#), [ST] [Glossary](#)

normal probability plot, [R] [Diagnostic plots](#)

option, [SEM] [Example 16](#), [SEM] [sem reporting](#)
[options](#)

parameters, [SEM] [estat stdize](#), [SEM] [Methods](#)
[and formulas for sem](#)

proportions, [R] [proportion](#)

rate ratio, [R] [Eptab](#)

rates, [R] [dstdize](#)

ratios, [R] [ratio](#)

residuals, [ME] [menl postestimation](#), [ME] [mixed](#)
[postestimation](#), [META] [meta mvregress](#)
[postestimation](#), [R] [binreg postestimation](#),
[R] [clogit postestimation](#), [R] [glm](#)
[postestimation](#), [R] [logistic postestimation](#),
[R] [logit postestimation](#), [R] [predict](#), [R] [regress](#)
[postestimation](#), [SEM] [Glossary](#), [TS] [sspace](#)
[postestimation](#), [TS] [ucm postestimation](#)

risk difference, [R] [Eptab](#)

risk ratio, [R] [Eptab](#)

root mean squared residual, [SEM] [estat](#)
[ggof](#), [SEM] [estat gof](#), [SEM] [Example 4](#),
[SEM] [Example 21](#), [SEM] [Methods and](#)
[formulas for sem](#)

variables, [D] [egen](#)

standardized coefficients, [LASSO] [Glossary](#)

standardized mean difference, [META] [meta](#)
[summarize](#)

stars, collect subcommand, [TABLES] [collect stars](#)

starting values, [R] [set iter](#)

DSGE, [DSGE] [Intro 5](#), [DSGE] [Intro 7](#),
[DSGE] [dsge](#), [DSGE] [dsgenl](#)

multilevel mixed-effects, [ME] [meglm](#)

structural equation modeling, [SEM] [Intro 12](#),
[SEM] [gsem estimation options](#), [SEM] [sem and](#)
[gsem option from\(\)](#), [SEM] [sem and gsem path](#)
[notation](#), [SEM] [sem path notation extensions](#),
[SEM] [Glossary](#)

time series, [TS] [arch](#), [TS] [arima](#), [TS] [tssmooth](#)
[hwinters](#), [TS] [tssmooth shwinters](#)

Stata

Blog, [U] [3.2.3 The Stata Blog: Not Elsewhere](#)
[Classified](#)

c-class results, [M-5] [st_global\(\)](#)

characteristic, [M-5] [st_global\(\)](#), [M-5] [st_dir\(\)](#)

conference, [U] [3.6.1 Conferences and users group](#)
[meetings](#)

data file format, technical description, [P] [File](#)
[formats .dta](#)

description, [U] [2 A brief description of Stata](#)

documentation, [U] [1 Read this—it will help](#)

e-class results, [M-5] [st_global\(\)](#), [M-5] [st_dir\(\)](#),
[M-5] [st_rclear\(\)](#)

error message, see [error messages and return codes](#)

example datasets, [U] [1.2.2 Example datasets](#)

execute command, [M-3] [mata stata](#), [M-5] [stata\(\)](#)

exiting, see [exit command](#)

for Mac, see [Mac](#)

for Unix, see [Unix](#)

for Windows, see [Windows](#)

Forum, [U] [3.2.4 The Stata Forum](#)

Function Interface ([sfi](#)) module, [P] [PyStata intro](#),

[P] [PyStata integration](#), [P] [PyStata module](#)

limits, [R] [Limits](#), [U] [5 Editions of Stata](#)

logo, [G-2] [graph print](#), [G-3] [pr_options](#)

macro, [M-5] [st_global\(\)](#), [M-5] [st_local\(\)](#),
[M-5] [st_dir\(\)](#)

Markup and Control Language, [M-5] [display\(\)](#),

[M-5] [printf\(\)](#), [M-5] [errprintf\(\)](#), [P] [smcl](#)

matrix, [M-5] [st_matrix\(\)](#), [M-5] [st_dir\(\)](#),

[M-6] [Glossary](#)

NetCourseNow, [U] [3.6.2 NetCourses](#)

NetCourses, [U] [3.6.2 NetCourses](#)

on Facebook, [U] [3.2.5 Stata on social media](#)

on Instagram, [U] [3.2.5 Stata on social media](#)

on LinkedIn, [U] [3.2.5 Stata on social media](#)

on Twitter, [U] [3.2.5 Stata on social media](#)

op.varname, see [Stata, time-series-operated variable](#)

pause, [P] [sleep](#)

platforms, [U] [5.1 Platforms](#)

Press, [U] [3.3 Stata Press](#)

r-class results, [M-5] [st_global\(\)](#), [M-5] [st_dir\(\)](#),
[M-5] [st_rclear\(\)](#)

scalar, [M-5] [st_numscalar\(\)](#), [M-5] [st_dir\(\)](#)

s-class results, [M-5] [st_global\(\)](#), [M-5] [st_dir\(\)](#),
[M-5] [st_rclear\(\)](#)

Stata/BE, see [Stata/BE](#)

- Stata/MP, see [Stata/MP](#)
- Stata/SE, see [Stata/SE](#)
- supplementary material, [U] [3 Resources for learning and using Stata](#)
- support, [U] [3 Resources for learning and using Stata](#)
- temporary
- filenames, [M-5] [st_tempname\(\)](#)
 - names, [M-5] [st_tempname\(\)](#)
- time-series–operated variable, [M-5] [st_tsrevar\(\)](#), [M-6] [Glossary](#)
- training, [U] [3.6 Conferences and training](#)
- updates, see [updates to Stata](#)
- users group meeting, [U] [3.6.1 Conferences and users group meetings](#)
- value labels, [M-5] [st_varformat\(\)](#), [M-5] [st_vlexists\(\)](#)
- variable
- formats, [M-5] [st_varformat\(\)](#)
 - labels, [M-5] [st_varformat\(\)](#)
- webinar, [U] [3.6.6 Webinars](#)
- website, [U] [3.2.1 The Stata website](#) (www.stata.com)
- YouTube Channel, [U] [3.2.2 The Stata YouTube Channel](#)
- STATA directory, [P] [sysdir](#)
- [_stata\(\)](#) function, [M-5] [stata\(\)](#)
- [stata\(\)](#) function, [M-5] [stata\(\)](#)
- Stata Journal* and *Stata Technical Bulletin*, [U] [3.4 The Stata Journal](#)
- installation of, [R] [net](#), [R] [sj](#), [U] [17.6 How do I install an addition?](#)
 - keyword search of, [R] [search](#), [U] [4 Stata's help and search facilities](#)
 - scheme, [G-4] [Scheme sj](#)
- [stata](#), [mata](#) subcommand, [M-3] [mata stata](#)
- Stata News*, [U] [3 Resources for learning and using Stata](#)
- Stata Technical Bulletin Reprints*, [U] [3.4 The Stata Journal](#)
- Stata-format shapefiles, see [shapefiles](#)
- Stata/BE, [R] [Limits](#), [U] [5 Editions of Stata](#)
- Stata/MP, [R] [Limits](#), [U] [5 Editions of Stata](#)
- Stata/SE, [R] [Limits](#), [U] [5 Editions of Stata](#)
- [stata.key](#) file, [R] [search](#)
- Statalist, [U] [3.2.4 The Stata Forum](#)
- [statasetsversion\(\)](#) function, [M-5] [stataversion\(\)](#)
- [stataversion\(\)](#) function, [M-5] [stataversion\(\)](#)
- state transition matrix, [DSGE] [estat transition](#), [DSGE] [Glossary](#)
- state variables, [DSGE] [Glossary](#)
- lag of, [DSGE] [Intro 4c](#)
- state-space model, [DSGE] [Glossary](#), [TS] [sspace](#), [TS] [sspace postestimation](#), [TS] [Glossary](#), also see [autoregressive integrated moving-average model](#), also see [dynamic factor model](#)
- static, [M-2] [class](#)
- static forecast, [DSGE] [Glossary](#), [TS] [forecast](#), [TS] [forecast adjust](#), [TS] [forecast clear](#), [TS] [forecast coefvector](#), [TS] [forecast create](#), [TS] [forecast describe](#), [TS] [forecast drop](#), [TS] [forecast estimates](#), [TS] [forecast exogenous](#), [TS] [forecast identity](#), [TS] [forecast list](#), [TS] [forecast query](#), [TS] [forecast solve](#), [TS] [Glossary](#)
- stationary distribution, [BAYES] [Intro](#), [BAYES] [bayesmh](#), [BAYES] [bayesgraph](#), [BAYES] [Glossary](#)
- stationary process, [TS] [Glossary](#)
- stationary time series, [BAYES] [bayes: var](#), [BAYES] [bayesvarstable](#), see [covariance stationary](#), see [nonstationary time series](#)
- statistical
- density functions, [M-5] [normal\(\)](#)
 - distribution functions, [M-5] [normal\(\)](#)
 - heterogeneity, see [heterogeneity](#)
 - inference, hypothesis testing, see [hypothesis test](#)
- Statistical Software Components Archive, [R] [ssc](#)
- [stats](#), [estimates](#) subcommand, [R] [estimates stats](#)
- [statsby](#) prefix command, [D] [statsby](#)
- [status](#), [ssd](#) subcommand, [SEM] [ssd](#)
- STB, see [Stata Journal](#) and [Stata Technical Bulletin](#)
- [stb](#), [net](#) subcommand, [R] [net](#)
- [stbase](#) command, [ST] [stbase](#)
- [.stbcal](#) file, [D] [bcal](#), [D] [Datetime business calendars](#), [D] [Datetime business calendars creation](#), [U] [11.6 Filenaming conventions](#)
- [stci](#) command, [ST] [stci](#)
- [stcox](#) command, [ST] [stcox](#), [ST] [stcox PH-assumption tests](#), [ST] [stcox postestimation](#), [ST] [stcurve](#)
- [stcox](#), fractional polynomials, [R] [fp](#), [R] [mfp](#)
- [stcoxxm](#) command, [ST] [stcox PH-assumption tests](#)
- [stcrreg](#) command, [ST] [stcrreg](#), [ST] [stcrreg postestimation](#), [ST] [stcurve](#)
- [stcurve](#) command, [ST] [stcurve](#)
- [std\(\)](#), [egen](#) function, [D] [egen](#)
- [stdescribe](#) command, [ST] [stdescribe](#)
- [stdize](#), [estat](#) subcommand, [SEM] [estat stdize](#)
- [steady](#), [estat](#) subcommand, [DSGE] [estat steady](#)
- steady-state equilibrium, [DSGE] [Glossary](#), [TS] [Glossary](#)
- steepest descent (ascent), [M-5] [moptimize\(\)](#), [M-5] [optimize\(\)](#)
- [stem](#) command, [R] [stem](#)
- stem-and-leaf displays, [R] [stem](#)
- stepwise estimation, [R] [stepwise](#)
- stepwise prefix command, [R] [stepwise](#)
- [.ster](#) file, [MI] [mi estimate](#), [MI] [mi estimate using](#), [MI] [mi predict](#), [U] [11.6 Filenaming conventions](#)
- stereotype logistic regression, [R] [slogit](#), [SVY] [svy estimation](#)
- [stfill](#) command, [ST] [stfill](#)
- [stgen](#) command, [ST] [stgen](#)

- `.sthlp` file, [U] **4 Stata's help and search facilities**, [U] **11.6 Filenaming conventions**, [U] **18.11.6 Writing system help**
- `stintcox` command, [ST] `stcurve`, [ST] `stintcox`, [ST] `stintcox PH-assumption plots`, [ST] `stintcox postestimation`
- `stintcoxnpx` command, [ST] `stintcox PH-assumption plots`
- `stintphplot` command, [ST] `stintcox PH-assumption plots`
- `stintreg` command, [ST] `stcurve`, [ST] `stintreg`, [ST] `stintreg postestimation`
- `stir` command, [ST] `stir`
- `stjoin` command, [ST] `stsplit`
- `stjoin, mi` subcommand, [MI] `mi stsplit`
- `stmcc` command, [ST] `strate`
- `stmh` command, [ST] `strate`
- stochastic
 - cycle, [TS] **Glossary**
 - equation, [DSGE] **Glossary**, [TS] **forecast**, [TS] **forecast estimates**, [TS] **forecast solve**, [TS] **Glossary**
 - frontier model, [R] **frontier**, [U] **27.3.7 Stochastic frontier models**, [XT] `xtfrontier`
 - growth model, [DSGE] **Intro 3f**
 - trend, [DSGE] **Glossary**, [TS] `tsfilter`, [TS] `ucm`, [TS] **Glossary**
- stop,
 - `clustermt` subcommand, [MV] **cluster stop**
 - `cluster` subcommand, [MV] **cluster stop**
 - stop command execution, [U] **10 Keyboard use**
 - `stopbox`, window subcommand, [P] **window programming**, [P] **window stopbox**
- stopping rules, [MV] **Glossary**
- adding, [MV] **cluster programming subroutines**
- Caliński and Harabasz index, [MV] **cluster**, [MV] **cluster stop**
- Duda and Hart index, [MV] **cluster**, [MV] **cluster stop**
- stepsize, [MV] **cluster programming subroutines**
- storage types,
 - changing, [D] **compress**, [D] **format**, [D] **recast**, [D] **varmanage**
 - default, [D] **generate**
 - displaying, [D] **codebook**, [D] **describe**, [D] **ds**
 - explaining, [D] **Data types**, [D] **Glossary**, [U] **12.2.2 Numeric storage types**, [U] **12.4 Strings**, [U] **Glossary**
 - obtaining, [D] **describe**, [D] **ds**, [M-5] `st_vartype()`, [P] **macro**
 - precision of, [D] **Data types**, [U] **13.12 Precision and problems therein**
 - specifying when
 - creating variables, [D] **egen**, [D] **encode**, [D] **generate**
 - importing data, [U] **11.4.2 Lists of new variables**
 - testing, [M-5] `st_vartype()`, [P] **confirm**
- store and restore estimation results, see **results**, **stored**, **hidden or historical**
- store, estimates subcommand, [LASSO] **estimates store**, [R] **estimates store**
- stored results, see **results**
- `stphplot` command, [ST] `stcox PH-assumption tests`
- `.stpr` file, [U] **11.6 Filenaming conventions**
- `stptime` command, [ST] `stptime`
- `.stptrace` file, [U] **11.6 Filenaming conventions**
- `str#`, [D] **Data types**, [U] **12.4 Strings**
- `strata, estat` subcommand, [SVY] `estat`
- strata with one sampling unit, [SVY] **Variance estimation**
- `strate` command, [ST] `strate`
- stratification, [BAYES] **bayes: streg**, [R] **Epitab**, [R] **rocreg**, [SEM] **Example 49g**, [ST] `stcox`, [ST] `stcox PH-assumption tests`, [ST] `stintcox`, [ST] `stintcox PH-assumption plots`, [ST] `stintreg`, [ST] `stir`, [ST] `strate`, [ST] `streg`, [ST] `sts`, [ST] `sts generate`, [ST] `sts graph`, [ST] `sts list`, [ST] `sts test`, [ST] `stsplit`, [SVY] **Glossary**, also see **stratified sampling**
- stratified
 - 2×2 table, [PSS-2] **power**, [PSS-2] **power cmh**, [PSS-5] **Glossary**
 - analysis, [PSS-2] **power**, [PSS-2] **power cmh**
 - graphs, [R] **dotplot**
 - model, [CM] **cmlogit**, [CM] **cmmprobit**, [CM] **cmrologit**, [CM] **cmroprobit**, [R] **clogit**, [R] **exlogistic**, [R] **expoisson**, [R] **rocreg**, [SEM] **Example 49g**, [ST] `stcox`, [ST] `stintcox`, [ST] `stintreg`, [ST] `streg`, [ST] **Glossary**
 - resampling, [R] **bootstrap**, [R] **bsample**, [R] **bstat**, [R] **permute**
 - sampling, [SVY] **Survey**, [SVY] **syvdescribe**, [SVY] **syvset**, [SVY] **Glossary**
 - standardization, [R] **dstdize**
 - summary statistics, [R] **mean**, [R] **proportion**, [R] **ratio**, [R] **total**
 - tables, [R] **Epitab**
 - test, [R] **Epitab**, [ST] `stcox PH-assumption tests`, [ST] `sts test`, [ST] **Glossary**
- stratum collapse, [SVY] **syvdescribe**
- `strcat()` function, [FN] **String functions**
- `strdup()` function, [FN] **String functions**, [M-5] `strdup()`
- stream I/O versus record I/O, [U] **22 Entering and importing data**
- `streg` command, [ST] `stcurve`, [ST] `streg`, [ST] `streg postestimation`
- `streset` command, [ST] `stset`
- `streset, mi` subcommand, [MI] `mi XXXset`
- `stress`, [MV] **mds postestimation**, [MV] **Glossary**
- `stress, estat` subcommand, [MV] **mds postestimation**
- strict stationarity, [DSGE] **Glossary**
- strictly stationary process, see **stationary process**

- string, see [Unicode strings](#)
- concatenation, [M-4] [String](#), [M-5] [invtokens\(\)](#), [U] [13.2.2 String operators](#)
 - duplication, [M-4] [String](#), [M-5] [strdup\(\)](#), [U] [13.2.2 String operators](#)
 - functions, [FN] [String functions](#), [M-4] [String](#), [U] [12.4 Strings](#), [U] [12.4.2.1 Unicode string functions](#), [U] [24 Working with strings](#)
 - pattern matching, [M-5] [strmatch\(\)](#)
 - to real, convert, [M-5] [strtoreal\(\)](#)
 - variables, [D] [Data types](#), [D] [infile \(free format\)](#), [U] [12.4 Strings](#), [U] [24 Working with strings](#)
 - converting to numbers, [FN] [String functions](#)
 - encoding, [D] [encode](#)
 - exporting, [D] [export](#)
 - formatting, [D] [format](#)
 - importing, [D] [import](#)
 - inputting, [D] [edit](#), [D] [input](#), [U] [22 Entering and importing data](#)
 - long, [U] [12.4.13 How to see the full contents of a strL or a str# variable](#), also see [strL](#)
 - making from value labels, [D] [encode](#)
 - mapping to numbers, [D] [destring](#), [D] [encode](#), [D] [label](#), also see [real\(\)](#) function
 - parsing, [M-5] [ustrsplit\(\)](#), [P] [gettoken](#), [P] [tokenize](#)
 - sort order, [U] [13.2.3 Relational operators](#)
 - splitting into parts, [D] [split](#), [M-5] [ustrsplit\(\)](#)
- [string](#), [M-2] [Declarations](#), [M-6] [Glossary](#)
- [string\(\)](#) function, [FN] [String functions](#)
- [strtrim\(\)](#) function, [FN] [String functions](#), [M-5] [strtrim\(\)](#)
- [strL](#), [D] [Data types](#), [D] [Glossary](#), [P] [Glossary](#), [U] [12.4 Strings](#), [U] [Glossary](#)
- displaying, [U] [12.4.13 How to see the full contents of a strL or a str# variable](#)
- [strlen](#) macro function, [P] [macro](#)
- [strlen\(\)](#) function, [FN] [String functions](#), [M-5] [strlen\(\)](#)
- [strlower\(\)](#) function, [FN] [String functions](#), [M-5] [strupper\(\)](#)
- [strltrim\(\)](#) function, [FN] [String functions](#), [M-5] [strtrim\(\)](#)
- [strmatch\(\)](#) function, [FN] [String functions](#), [M-5] [strmatch\(\)](#)
- [strofreal\(\)](#) function, [FN] [String functions](#), [M-5] [strofreal\(\)](#)
- strongly balanced, [ERM] [Glossary](#), [SP] [spbalance](#), [XT] [Glossary](#)
- data, [SP] [Glossary](#)
- strongly stationary process, see [stationary process](#)
- [strpos\(\)](#) function, [FN] [String functions](#), [M-5] [strpos\(\)](#)
- [strproper\(\)](#) function, [FN] [String functions](#), [M-5] [strupper\(\)](#)
- [strreverse\(\)](#) function, [FN] [String functions](#), [M-5] [strreverse\(\)](#)
- [strrpos\(\)](#) function, [FN] [String functions](#), [M-5] [strpos\(\)](#)
- [strrtrim\(\)](#) function, [FN] [String functions](#), [M-5] [strtrim\(\)](#)
- [strtoname\(\)](#) function, [FN] [String functions](#), [M-5] [strtoname\(\)](#)
- [_strtoreal\(\)](#) function, [M-5] [strtoreal\(\)](#)
- [strtoreal\(\)](#) function, [M-5] [strtoreal\(\)](#)
- [strtrim\(\)](#) function, [FN] [String functions](#), [M-5] [strtrim\(\)](#)
- [struct](#), [M-2] [struct](#)
- [structname\(\)](#) function, [M-5] [eltype\(\)](#)
- structural break,
 - known break date, [TS] [estat sbknown](#)
 - unknown break date, [TS] [estat sbsingle](#)
- structural equation modeling, [SEM] [Glossary](#), [SVY] [svy estimation](#), [U] [27.24 Structural equation modeling \(SEM\)](#)
- builder, [SEM] [Builder](#), [SEM] [Builder](#), generalized
- CFA model, [SEM] [Intro 5](#), [SEM] [Example 1](#), [SEM] [Example 3](#), [SEM] [Example 15](#), [SEM] [Example 27g](#), [SEM] [Example 31g](#)
- constraints, [SEM] [Intro 2](#), [SEM] [Intro 4](#), [SEM] [sem and gsem option constraints\(\)](#)
- convergence, [SEM] [Intro 12](#)
- correlated uniqueness model, [SEM] [Intro 5](#), [SEM] [Example 17](#)
- correlations, [SEM] [Intro 5](#), [SEM] [Example 16](#)
- covariance restrictions, [SEM] [sem and gsem option covstructure\(\)](#)
- effects decomposition, [SEM] [estat teffects](#), [SEM] [Example 7](#)
- estimation commands, [SEM] [gsem](#), [SEM] [sem](#)
- estimation options, [SEM] [gsem estimation options](#), [SEM] [sem estimation options](#)
- exponentiated coefficients, [SEM] [estat eform](#)
- factor variables, [SEM] [Intro 3](#)
- family-and-link options, [SEM] [gsem family-and-link options](#)
- finite mixture model, [SEM] [Intro 5](#), [SEM] [Example 53g](#), [SEM] [Example 54g](#)
- goodness-of-fit, [SEM] [estat eqgof](#), [SEM] [estat ggof](#), [SEM] [estat lcgof](#), [SEM] [Example 4](#), [SEM] [Example 21](#), [SEM] [Example 51g](#)
- groups, [SEM] [Intro 6](#), [SEM] [Example 20](#), [SEM] [Example 23](#), [SEM] [Example 49g](#), [SEM] [gsem group options](#), [SEM] [sem group options](#)
- Heckman selection model, [SEM] [Example 45g](#)
- interpretation of syntax, [SEM] [sem and gsem syntax options](#)
- interval regression, [SEM] [Example 44g](#)
- introduction, [SEM] [Intro 1](#)
- IRT model, [SEM] [Intro 5](#), [SEM] [Example 28g](#), [SEM] [Example 29g](#)
- latent, see [latent](#)
- linear regression, [SEM] [Intro 5](#), [SEM] [Example 6](#)

structural equation modeling, *continued*

- logistic regression, [SEM] [Intro 5](#),
[SEM] [Example 33g](#), *also see* structural equation modeling, multinomial logistic regression, *also see* structural equation modeling, ordered probit and logit
- marginal means for latent classes,
[SEM] [estat lmean](#), [SEM] [Example 50g](#),
[SEM] [Example 53g](#), [SEM] [Example 54g](#)
- marginal probabilities for latent classes,
[SEM] [estat lprob](#), [SEM] [Example 50g](#),
[SEM] [Example 53g](#), [SEM] [Example 54g](#)
- measurement model, *see* structural equation modeling, CFA model
- mediation model, [SEM] [Intro 5](#),
[SEM] [Example 42g](#)
- methods and formulas, [SEM] [Methods and formulas for gsem](#), [SEM] [Methods and formulas for sem](#)
- MIMIC model, [SEM] [Intro 5](#), [SEM] [Example 10](#)
- missing values, [SEM] [Intro 4](#), [SEM] [Example 26](#)
- model description options, [SEM] [gsem model description options](#), [SEM] [sem model description options](#)
- model identification, [SEM] [Intro 4](#)
- modeling framework, [SEM] [estat framework](#),
[SEM] [Example 11](#)
- modification indices, [SEM] [estat mindices](#),
[SEM] [Example 5](#)
- multilevel model, [SEM] [Intro 5](#),
[SEM] [Example 38g](#), [SEM] [Example 39g](#),
[SEM] [Example 40g](#), [SEM] [Example 41g](#),
[SEM] [Example 42g](#)
- multinomial logistic regression, [SEM] [Intro 5](#),
[SEM] [Example 37g](#), [SEM] [Example 41g](#)
- ordered probit and logit, [SEM] [Intro 5](#),
[SEM] [Example 35g](#)
- parameters of observed exogenous variables,
[SEM] [sem option noxconditional](#)
- path diagrams, [SEM] [Intro 2](#), [SEM] [gsem path notation extensions](#), [SEM] [sem and gsem path notation](#), [SEM] [sem path notation extensions](#)
- postestimation, [SEM] [Intro 7](#), [SEM] [gsem postestimation](#), [SEM] [sem postestimation](#)
- predictions, [SEM] [Example 14](#), [SEM] [predict after gsem](#), [SEM] [predict after sem](#)
- reliability, [SEM] [Intro 5](#), [SEM] [Example 24](#),
[SEM] [sem and gsem option reliability\(\)](#)
- reporting options, [SEM] [gsem reporting options](#),
[SEM] [sem reporting options](#)
- residuals, [SEM] [estat residuals](#),
[SEM] [Example 10](#)
- seemingly unrelated regression, [SEM] [Intro 5](#),
[SEM] [Example 12](#), [SEM] [Glossary](#)
- stability of system, [SEM] [estat stable](#),
[SEM] [Example 7](#)
- standard deviations, [SEM] [estat sd](#),
[SEM] [Example 31g](#)
- standard errors, [SEM] [Intro 8](#), [SEM] [Intro 9](#)

structural equation modeling, *continued*

- starting values, [SEM] [Intro 12](#), [SEM] [sem and gsem option from\(\)](#)
- structural model, [SEM] [Intro 5](#), [SEM] [Example 7](#),
[SEM] [Example 9](#)
- summary statistics, [SEM] [Intro 11](#),
[SEM] [estat summarize](#), [SEM] [Example 2](#),
[SEM] [Example 19](#), [SEM] [Example 25](#),
[SEM] [sem option select\(\)](#), [SEM] [sem ssd options](#), [SEM] [ssd](#)
- survey data, [SEM] [Intro 10](#)
- survival model, [SEM] [Example 47g](#),
[SEM] [Example 48g](#), [SEM] [Example 49g](#)
- test,
 - coefficients are zero, [SEM] [estat eqtest](#),
[SEM] [Example 13](#)
 - combinations of parameters, [SEM] [lincom](#),
[SEM] [nlcom](#)
 - hypothesis, [SEM] [test](#), [SEM] [testnl](#)
 - invariance of parameters, [SEM] [estat ginvariant](#),
[SEM] [Example 22](#)
 - likelihood-ratio, [SEM] [lrtest](#)
 - score, [SEM] [estat scoretests](#)
 - standardized parameters, [SEM] [estat stdize](#),
[SEM] [Example 16](#)
- tobit regression, [SEM] [Example 43g](#)
- treatment-effects model, [SEM] [Example 46g](#)
- variable types, [SEM] [Intro 4](#)
- VCE, [SEM] [sem option method\(\)](#)
- structural model, [BAYES] [bayes: dsge](#),
[BAYES] [bayes: dsge](#), [DSGE] [Intro 1](#),
[DSGE] [dsge](#), [DSGE] [dsge](#), [DSGE] [Glossary](#),
[ERM] [Glossary](#), [SEM] [Intro 5](#),
[SEM] [Example 7](#), [SEM] [Example 9](#),
[SEM] [Example 32g](#), [SEM] [Glossary](#),
[TS] [psdensity](#), [TS] [sspace](#), [TS] [ucm](#),
[TS] [Glossary](#), *also see* structural vector autoregressive model
- structural vector autoregressive
 - model, [TS] [var intro](#), [TS] [var svar](#), [TS] [Glossary](#)
- postestimation, [R] [regress postestimation time series](#), [TS] [fcast compute](#), [TS] [fcast graph](#),
[TS] [irf](#), [TS] [irf create](#), [TS] [var svar postestimation](#), [TS] [vargranger](#), [TS] [varlmar](#),
[TS] [varnorm](#), [TS] [varsoc](#), [TS] [varstable](#),
[TS] [varwle](#)
- structure
 - (factors), [MV] [discrim lda postestimation](#),
[MV] [factor postestimation](#), [MV] [Glossary](#)
 - (programming), [M-2] [struct](#), [M-5] [liststruct\(\)](#),
[M-6] [Glossary](#)
- structure, estat subcommand, [MV] [discrim lda postestimation](#), [MV] [factor postestimation](#)
- structured (correlation or covariance), *see* unstructured (correlation or covariance)
- strupper() function, [FN] [String functions](#),
[M-5] [strupper\(\)](#)
- sts command, [ST] [sts](#), [ST] [sts generate](#), [ST] [sts graph](#), [ST] [sts list](#), [ST] [sts test](#)

- `sts generate` command, [ST] [sts](#), [ST] [sts generate](#)
- `sts graph` command, [ST] [sts](#), [ST] [sts graph](#)
- `sts list` command, [ST] [sts](#), [ST] [sts list](#)
- `sts test` command, [ST] [sts](#), [ST] [sts test](#)
- `.stsem` file, [U] [11.6 Filenaming conventions](#)
- `stset` command, [ST] [stset](#)
- `stset, mi` subcommand, [MI] [mi XXXset](#)
- `stsplit` command, [ST] [stsplit](#)
- `stsplit, mi` subcommand, [MI] [mi stsplit](#)
- `stsum` command, [ST] [stsum](#)
- `.stswm` file extension, [SP] [spmatrix save](#), [SP] [spmatrix use](#)
- `.stswm` file, [U] [11.6 Filenaming conventions](#)
- `stteffects`, [TE] [stteffects](#), [TE] [stteffects postestimation](#)
 - command, [TE] [tebalance](#)
 - `ipw` command, [TE] [stteffects ipw](#)
 - `ipwra` command, [TE] [stteffects ipwra](#)
 - `ra` command, [TE] [stteffects ra](#)
 - `wra` command, [TE] [stteffects vra](#)
- `sttocc` command, [ST] [sttocc](#)
- `sttoct` command, [ST] [sttoct](#)
- Stuart–Maxwell test statistic, [R] [symmetry](#)
- Studentized residuals, [R] [predict](#), [R] [regress postestimation](#)
- Studentized-range multiple-comparison adjustment, see [multiple comparisons](#), [Tukey's method](#)
- Student–Newman–Keuls's multiple-comparison adjustment, see [multiple comparisons](#), [Student–Newman–Keuls's method](#)
- Student's *t*
 - density,
 - central, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - noncentral, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - distribution, see [t distribution](#)
 - cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - cumulative noncentral, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - inverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - inverse cumulative noncentral, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - inverse reverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
 - reverse cumulative, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- study precision, [META] [Intro](#), [META] [meta funnelplot](#), [META] [Glossary](#)
- study,
 - case–control, see [case–control study](#)
 - cohort, see [cohort study](#)
 - controlled clinical trial, see [controlled clinical trial study](#)
 - cross-sectional, see [cross-sectional study](#)
 - experimental, see [experimental study](#)
 - continued*
 - follow-up, see [cohort study](#)
 - matched, see [matched study](#)
 - multiple-sample, see [multiple-sample study](#)
 - observational, see [observational study](#)
 - one-sample, see [one-sample study](#)
 - paired, see [paired study](#)
 - prospective, see [prospective study](#)
 - randomized controlled trial, see [randomized controlled trial study](#)
 - retrospective, see [retrospective study](#)
 - two-sample, see [two-sample study](#)
- `stvary` command, [ST] [stvary](#)
- `.stxer` file, [U] [11.6 Filenaming conventions](#)
- style, [G-4] [Glossary](#)
- `style, [MI] mi convert`, [MI] [Styles](#), [MI] [Glossary](#)
- style `autolevels`, collect subcommand, [TABLES] [collect style autolevels](#)
- style `cell`, collect subcommand, [TABLES] [collect style cell](#)
- style `clear`, collect subcommand, [TABLES] [collect style clear](#)
- style `column`, collect subcommand, [TABLES] [collect style column](#)
- style `header`, collect subcommand, [TABLES] [collect style header](#)
- style `html`, collect subcommand, [TABLES] [collect style html](#)
- style `notes`, collect subcommand, [TABLES] [collect style notes](#)
- style `putdocx`, collect subcommand, [TABLES] [collect style putdocx](#)
- style `putpdf`, collect subcommand, [TABLES] [collect style putpdf](#)
- style `row`, collect subcommand, [TABLES] [collect style row](#)
- style `save`, collect subcommand, [TABLES] [collect style save](#)
- style `showbase`, collect subcommand, [TABLES] [collect style showbase](#)
- style `showempty`, collect subcommand, [TABLES] [collect style showempty](#)
- style `showomit`, collect subcommand, [TABLES] [collect style showomit](#)
- style `table`, collect subcommand, [TABLES] [collect style table](#)
- style `tex`, collect subcommand, [TABLES] [collect style tex](#)
- style `title`, collect subcommand, [TABLES] [collect style title](#)
- style `use`, collect subcommand, [TABLES] [collect style use](#)
- style,
 - added line, [G-4] [addeditlinestyle](#)
 - area, [G-4] [areastyle](#), [G-4] [shadestyle](#)
 - axis, [G-4] [axisstyle](#), [G-4] [ticksetstyle](#), [G-4] [tickstyle](#)
 - by-graphs, [G-4] [bystyle](#)

style, *continued*

- clock position, [G-4] *clockposstyle*
- color, [G-4] *colorstyle*, [G-4] *intensitystyle*
- compass direction, [G-4] *compassdirstyle*
- connect points, [G-4] *connectstyle*
- flong, see *flong* MI data style
- flongsep, see *flongsep* MI data style
- grid lines, [G-4] *gridstyle*
- legends, [G-4] *legendstyle*
- lines, [G-4] *linealignmentstyle*,
[G-4] *linepatternstyle*, [G-4] *linestyle*,
[G-4] *linewidthstyle*
- lists, [G-4] *stylelists*
- location, [G-4] *ringposstyle*
- margins, [G-4] *marginstyle*
- marker labels, [G-4] *markerlabelstyle*,
[G-4] *markersizestyle*, [G-4] *markerstyle*
- markers, [G-4] *symbolstyle*
- mlong, see *mlong* MI data style
- outline, [G-4] *linealignmentstyle*
- plot, [G-4] *plotregionstyle*, [G-4] *pstyle*
- text, [G-4] *textsizestyle*, [G-4] *textstyle*
- text display angle, [G-4] *anglestyle*
- text justification, [G-4] *justificationstyle*
- textboxes, [G-4] *orientationstyle*,
[G-4] *textboxstyle*
- vertical alignment of text, [G-4] *alignmentstyle*
- wide, see *wide* MI data style

style_cons, collect subcommand,

[TABLES] *collect style _cons*

stylelist, [G-4] *stylelists*

subclass, [M-2] *class*

subdirectories, [U] **11.6** *Filenaming conventions*

subgroup analysis, [META] *Intro*, [META] *meta forestplot*, [META] *meta summarize*,
[META] *meta funnelplot*, [META] *Glossary*

subgroup heterogeneity, [META] *meta forestplot*,
[META] *meta funnelplot*, [META] *Glossary*

subhazard ratio, [R] *eform_option*, [R] *lincom*,
[ST] *sterreg*, [ST] *sterreg postestimation*,
[ST] *Glossary*, also see *cumulative subhazard function*

subinertia, estat subcommand, [MV] *mca postestimation*

subinstr macro function, [P] *macro*

subinstr() function, [FN] *String functions*,
[M-5] *subinstr()*

subinword() function, [FN] *String functions*,
[M-5] *subinstr()*

subjective prior, see *informative prior*

__sublowertriangle() function,
[M-5] *sublowertriangle()*

sublowertriangle() function,
[M-5] *sublowertriangle()*

subpopulation

differences, [SVY] *Survey*, [SVY] *svy postestimation*

estimation, [SVY] *Subpopulation estimation*,
[SVY] *svy estimation*, [SVY] *Glossary*

means, [SVY] *svy estimation*

proportions, [SVY] *svy estimation*,
[SVY] *svy: tabulate oneway*,
[SVY] *svy: tabulate twoway*

ratios, [SVY] *svy estimation*, [SVY] *svy: tabulate oneway*, [SVY] *svy: tabulate twoway*

standard deviations of, [SVY] *estat*

totals, [SVY] *svy estimation*, [SVY] *svy: tabulate oneway*, [SVY] *svy: tabulate twoway*

subroutines, adding, [MV] *cluster programming utilities*

subsampling the chain, see *thinning*

subscripts, [M-2] *Subscripts*, [M-6] *Glossary*,
[U] **13.7** *Explicit subscripting*

substantive constraints, see *constraints*

substitutable expression, [ME] *Glossary*

substitute, vl subcommand, [D] *vl create*

__substr() function, [M-5] *__substr()*

substr() function, [FN] *String functions*,
[M-5] *substr()*

substring function, [FN] *String functions*,
[M-5] *strpos()*, [M-5] *ustrpos()*, [M-5] *substr()*,
[M-5] *usubstr()*, [M-5] *udsubstr()*

subtile() option, [G-3] *title_options*

subtraction operator, see *arithmetic operators*

success–failure proportion, [PSS-2] *power pairedproportions*

successive difference replication, [SVY] *sdr_options*,
[SVY] *svy sdr*, [SVY] *Variance estimation*,
[SVY] *Glossary*

suest command, [R] *suest*, [SVY] *svy postestimation*

sufficient statistic, [BAYES] *Glossary*

.sum file, [U] **11.6** *Filenaming conventions*

sum() function, [FN] *Mathematical functions*,
[M-5] *sum()*

sum of vector, [M-5] *runningsum()*

summarize,

misstable subcommand, [R] *misstable*

estat subcommand, [MV] *ca postestimation*,
[MV] *discrim estat*, [MV] *factor postestimation*,
[MV] *mca postestimation*, [MV] *mds postestimation*, [MV] *pca postestimation*,
[MV] *procrustes postestimation*, [R] *estat*,
[R] *estat summarize*, [SEM] *estat summarize*

setset subcommand, [P] *setset*

spmatrix subcommand, [SP] *spmatrix summarize*

tebalance subcommand, [TE] *tebalance summarize*

summarize command, [D] *format*, [R] *summarize*,
[R] *tabulate*, *summarize()*

- summarize data, [D] **codebook**, [D] **inspect**, [R] **cumul**, [R] **lv**, [R] **stem**
- estimation sample, [R] **estat summarize**, [SEM] **estat summarize**
- missing values, [MI] **mi misstable**, [R] **misstable**
- counting, [D] **codebook**, [D] **inspect**
- panel data, [XT] **xtsum**
- pharmacokinetic data, [R] **pksumm**
- spatial weighting matrix, [SP] **spmatrix summarize**
- summary statistics, [CM] **cmsummarize**, [R] **summarize**, [R] **table summary**, [R] **table**, [R] **tabstat**, [R] **tabulate**, **summarize()**, [SEM] **Intro 11**, [SEM] **Example 2**, [SEM] **Example 19**, [SEM] **Example 25**, also see Bayesian, summary statistics
- survival-time data, [ST] **stsum**
- tabulation, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **tabulate oneway**, [R] **tabulate twoway**
- panel data, [XT] **xttab**
- survey data, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**
- time-series aspects, [TS] **tsreport**
- summarize**, meta subcommand, [META] **meta summarize**
- summary
- data, [META] **meta**, [META] **Glossary**
- effect, see overall effect size
- statistics, see summarize data, summary statistics, see descriptive statistics
- statistics data, [SEM] **sem option select()**, [SEM] **sem ssd options**, [SEM] **ssd**, [SEM] **Glossary**
- variables, generating, [MV] **cluster generate**
- summary, bayesstats subcommand, [BAYES] **bayesstats summary**
- summative (Likert) scales, [MV] **alpha**
- sums, see checksums of data
- creating dataset containing, [D] **collapse**
- of vector, [M-5] **runningsum()**
- over observations, [CM] **cmsummarize**, [D] **egen**, [FN] **Mathematical functions**, [M-5] **sum()**, [R] **summarize**
- over variables, [D] **egen**, [D] **list**, [M-5] **sum()**
- sunflower** command, [R] **sunflower**
- sunflower plots, [R] **sunflower**
- Super**, class prefix operator, [P] **class**
- super-varying variables, [MI] **mi varying**, [MI] **Glossary**
- .superclass** built-in class function, [P] **class**
- supplementary rows or columns, [MV] **ca**, [MV] **Glossary**
- supplementary variables, [MV] **mca**, [MV] **Glossary**
- support of Stata, [U] **3 Resources for learning and using Stata**
- suppress graphs, [G-3] **nodraw_option**
- suppress terminal output, [P] **quietly**
- SUR**, see seemingly unrelated regression
- sureg** command, [R] **sureg**, [R] **sureg postestimation**, [SEM] **Intro 5**, [SEM] **Example 12**
- survey
- concepts, [SVY] **Calibration**, [SVY] **Direct standardization**, [SVY] **Poststratification**, [SVY] **Subpopulation estimation**, [SVY] **Variance estimation**
- data, [D] **assertnested**, [MI] **Intro substantive**, [MI] **mi estimate**, [SEM] **Intro 10**, [SVY] **Survey**, [SVY] **sydescribe**, [SVY] **svyset**, [SVY] **Glossary**, [U] **27.30 Survey data**
- design, [SVY] **sydescribe**, [SVY] **svyset**, [SVY] **Glossary**
- estimation, [SVY] **bootstrap_options**, [SVY] **brr_options**, [SVY] **jackknife_options**, [SVY] **sdr_options**, [SVY] **svy**, [SVY] **svy bootstrap**, [SVY] **svy brr**, [SVY] **svy estimation**, [SVY] **svy jackknife**, [SVY] **svy sdr**
- postestimation, [SVY] **estat**, [SVY] **svy postestimation**
- prefix command, [SVY] **svy**
- programmers tools, [SVY] **ml for svy**, [SVY] **svymarkout**
- sampling, [SVY] **Survey**, [SVY] **sydescribe**, [SVY] **svyset**, also see cluster sampling
- tables, [SVY] **svy: tabulate oneway**, [SVY] **svy: tabulate twoway**
- survival analysis, [ST] **Survival analysis**, [ST] **Discrete**, [ST] **st**, [U] **27.17 Survival analysis models**
- competing-risks regression, [ST] **stcrreg**, [ST] **stcrreg postestimation**
- count-time data, [ST] **ct**, [ST] **ctset**, [ST] **cttost**, [ST] **sts graph**
- Cox proportional hazards model, [ST] **stcox**, [ST] **stcox PH-assumption tests**, [ST] **stcox postestimation**, [ST] **stintcox**, [ST] **stintcox PH-assumption plots**, [ST] **stintcox postestimation**
- failure function, [ST] **stcurve**, [ST] **sts**, [ST] **sts generate**, [ST] **sts graph**, [ST] **sts list**, [ST] **Glossary**
- failure rates and rate ratios, [ST] **strate**
- finite mixture model, [FMM] **fmm: streg**
- graphs, [ST] **ltable**, [ST] **stci**, [ST] **stcurve**, [ST] **strate**, [ST] **sts graph**
- incidence rates, [ST] **stir**, [ST] **stptime**
- interval regression, [ERM] **eintreg**, [R] **intreg**, [ST] **stintcox**, [ST] **stintreg**
- life table, [ST] **ltable**
- logistic regression, [R] **logistic**
- mixed-effects parametric model, [ME] **mestreg**
- Bayesian, [BAYES] **bayes: mestreg**
- multiple imputation, [MI] **mi estimate**, [MI] **mi predict**, [MI] **mi XXXset**
- parametric survival model, [BAYES] **bayes: streg**, [FMM] **fmm: streg**, [FMM] **Example 4**, [SEM] **Example 47g**, [SEM] **Example 48g**, [SEM] **Example 49g**, [ST] **stintreg**, [ST] **stintreg postestimation**, [ST] **streg**, [ST] **streg postestimation**

survival analysis, *continued*

person-time, [ST] **stptime**

Poisson regression, [R] **poisson**

power and sample size, [PSS-2] **power**,
[PSS-2] **power cox**, [PSS-2] **power exponential**,
[PSS-2] **power logrank**

programmer's utilities, [ST] **st_**

random-effects parametric model, [XT] **xtstreg**

semiparametric model, [ST] **stintcox PH-assumption
plots**, [ST] **stintcox postestimation**

SMR, [ST] **stptime**, [ST] **strate**

snapshot data, [ST] **snapshot**

survey data, [SVY] **Survey**, [SVY] **svy estimation**

survival-time data,

converting, [ST] **sttocc**, [ST] **sttocc**

declaring and summarizing, [ST] **stdescribe**,
[ST] **stset**, [ST] **stsum**

manipulating, [ST] **stbase**, [ST] **stfill**, [ST] **stgen**,
[ST] **stsplit**, [ST] **stvary**

survivor function, [ST] **stci**, [ST] **stcox**

postestimation, [ST] **stcurve**, [ST] **stintcox PH-
assumption plots**, [ST] **stintcox postestimation**,
[ST] **sts**, [ST] **sts generate**, [ST] **sts graph**,
[ST] **sts list**, [ST] **sts test**, [ST] **Glossary**,
[TE] **Glossary**

treatment effects, [TE] **stteffects ipw**, [TE] **stteffects
ipwra**, [TE] **stteffects ra**, [TE] **stteffects wra**

survival data, see *survival analysis*

survival model, see *survival analysis*

survival outcomes, see *outcomes*, *survival*

survival-time data, see *survival analysis*, *survival-time
data*

survivor function, see *survival analysis*, *survivor
function*

SUTVA, see *stable unit treatment value assumption*

SVAR, see *structural vector autoregressive*

svr command, [TS] **var svar**, [TS] **var svar
postestimation**

SVD, see *singular value decomposition*

_svd() function, [M-5] **svd()**

svd() function, [M-5] **svd()**

svd, matrix subcommand, [P] **matrix svd**

_svd_la() function, [M-5] **svd()**, [M-5] **fullsvd()**

_svdsv() function, [M-5] **svd()**

svdsv() function, [M-5] **svd()**

SVG, see *Scalable Vector Graphics*

svmat command, [P] **matrix mkmat**

_svsolve() function, [M-5] **svsolve()**

svsolve() function, [M-5] **svsolve()**

svy: biprobit command, [SVY] **svy estimation**

svy: clogit command, [SVY] **svy estimation**

svy: cloglog command, [SVY] **svy estimation**

svy: cmmixlogit command, [SVY] **svy estimation**

svy: cmxtmixlogit command, [SVY] **svy estimation**

svy: cnsreg command, [SVY] **svy estimation**

svy: cpoisson command, [SVY] **svy estimation**

svy: eintreg command, [SVY] **svy estimation**

svy: eoprobit command, [SVY] **svy estimation**

svy: eprobit command, [SVY] **svy estimation**

svy: eregress command, [SVY] **svy estimation**

svy: etpoisson command, [SVY] **svy estimation**

svy: etregress command, [SVY] **svy estimation**

svy: fmm: betareg command, [SVY] **svy estimation**

svy: fmm: cloglog command, [SVY] **svy estimation**

svy: fmm: glm command, [SVY] **svy estimation**

svy: fmm: intreg command, [SVY] **svy estimation**

svy: fmm: ivregress command, [SVY] **svy
estimation**

svy: fmm: logit command, [SVY] **svy estimation**

svy: fmm: mlogit command, [SVY] **svy estimation**

svy: fmm: nbreg command, [SVY] **svy estimation**

svy: fmm: ologit command, [SVY] **svy estimation**

svy: fmm: oprobit command, [SVY] **svy estimation**

svy: fmm: pointmass command, [SVY] **svy
estimation**

svy: fmm: poisson command, [SVY] **svy estimation**

svy: fmm: probit command, [SVY] **svy estimation**

svy: fmm: regress command, [SVY] **svy estimation**

svy: fmm: streg command, [SVY] **svy estimation**

svy: fmm: tobit command, [SVY] **svy estimation**

svy: fmm: tpoisson command, [SVY] **svy estimation**

svy: fmm: truncreg command, [SVY] **svy estimation**

svy: glm command, [SVY] **svy estimation**

svy: gnbreg command, [SVY] **svy estimation**

svy: gsem command, [SVY] **svy estimation**

svy: heckman command, [SVY] **svy estimation**

svy: heckoprobit command, [SVY] **svy estimation**

svy: heckpoisson command, [SVY] **svy estimation**

svy: heckprobit command, [SVY] **svy estimation**

svy: hetoprobit command, [SVY] **svy estimation**

svy: hetprobit command, [SVY] **svy estimation**

svy: hetregress command, [SVY] **svy estimation**

svy: intreg command, [SVY] **svy estimation**

svy: irt 1pl command, [SVY] **svy estimation**

svy: irt 2pl command, [SVY] **svy estimation**

svy: irt 3pl command, [SVY] **svy estimation**

svy: irt grm command, [SVY] **svy estimation**

svy: irt hybrid command, [SVY] **svy estimation**

svy: irt nrm command, [SVY] **svy estimation**

svy: irt pcm command, [SVY] **svy estimation**

svy: irt rsm command, [SVY] **svy estimation**

svy: ivprobit command, [SVY] **svy estimation**

svy: ivregress command, [SVY] **svy estimation**

svy: ivtobit command, [SVY] **svy estimation**

svy: logistic command, [SVY] **svy estimation**,
[SVY] **svy postestimation**

svy: logit command, [SVY] **svy estimation**

svy: mean command, [SVY] **Survey**, [SVY] **estat**,
[SVY] **Poststratification**, [SVY] **Subpopulation
estimation**, [SVY] **svy**, [SVY] **svy estimation**,
[SVY] **svy postestimation**, [SVY] **svydescribe**,
[SVY] **svyset**

svy: mecloglog command, [SVY] **svy estimation**

svy: meglm command, [SVY] **svy estimation**

svy: meintreg command, [SVY] **svy estimation**

- svy: melogit command, [SVY] [svy estimation](#)
- svy: menbreg command, [SVY] [svy estimation](#)
- svy: meologit command, [SVY] [svy estimation](#)
- svy: meoprobit command, [SVY] [svy estimation](#)
- svy: mepoisson command, [SVY] [svy estimation](#)
- svy: meprobit command, [SVY] [svy estimation](#)
- svy: mestreg command, [SVY] [svy estimation](#)
- svy: metobit command, [SVY] [svy estimation](#)
- svy: mlogit command, [SVY] [svy estimation](#)
- svy: mprobit command, [SVY] [svy estimation](#)
- svy: nbreg command, [SVY] [svy estimation](#)
- svy: nl command, [SVY] [svy estimation](#)
- svy: ologit command, [SVY] [svy estimation](#), [SVY] [svy postestimation](#)
- svy: oprobit command, [SVY] [svy estimation](#)
- svy: poisson command, [SVY] [svy estimation](#)
- svy: probit command, [SVY] [svy estimation](#)
- svy: proportion command, [SVY] [svy estimation](#)
- svy: ratio command, [SVY] [Direct standardization](#), [SVY] [svy brr](#), [SVY] [svy estimation](#), [SVY] [svy: tabulate twoway](#)
- svy: regress command, [SVY] [Survey](#), [SVY] [svy](#), [SVY] [svy estimation](#), [SVY] [svy jackknife](#), [SVY] [svy postestimation](#), [TABLES] [Example 7](#)
- svy: scobit command, [SVY] [svy estimation](#)
- svy: sem command, [SVY] [svy estimation](#)
- svy: slogit command, [SVY] [svy estimation](#)
- svy: stcox command, [SVY] [svy estimation](#)
- svy: stintreg command, [SVY] [svy estimation](#)
- svy: streg command, [SVY] [svy estimation](#)
- svy: tabulate command, [SVY] [svy estimation](#), [SVY] [svy: tabulate oneway](#), [SVY] [svy: tabulate twoway](#)
- svy: tnbreg command, [SVY] [svy estimation](#)
- svy: tobit command, [SVY] [svy estimation](#)
- svy: total command, [SVY] [svy brr](#), [SVY] [svy estimation](#)
- svy: tpoisson command, [SVY] [svy estimation](#)
- svy: truncreg command, [SVY] [svy estimation](#)
- svy: xtlogit command, [SVY] [svy estimation](#)
- svy: zinb command, [SVY] [svy estimation](#)
- svy: ziologit command, [SVY] [svy estimation](#)
- svy: zioprobit command, [SVY] [svy estimation](#)
- svy: zip command, [SVY] [svy estimation](#)
- svy bootstrap prefix command, [SVY] [svy bootstrap](#)
- svy brr prefix command, [SVY] [svy brr](#)
- svy jackknife prefix command, [SVY] [svy jackknife](#)
- svy prefix command, [SVY] [svy](#)
- svy sdr prefix command, [SVY] [svy sdr](#)
- svydescribe command, [SVY] [Survey](#), [SVY] [svydescribe](#)
- svymarkout command, [P] [mark](#), [SVY] [svymarkout](#)
- svyset command, [SVY] [Survey](#), [SVY] [svyset](#)
- svyset, estat subcommand, [SVY] [estat](#)
- svyset, mi subcommand, [MI] [mi XXXset](#)
- swap() function, [M-5] [swap\(\)](#)
- sweep() function, [FN] [Matrix functions](#), [P] [matrix define](#)
- swilk command, [R] [swilk](#)
- switching styles, [MI] [mi convert](#)
- symbolic forms, [R] [anova](#)
- symbolpalette, palette subcommand, [G-2] [palette](#)
- symbols, see [markers](#)
- symbolstyle, [G-4] [symbolstyle](#), [G-4] [Glossary](#)
- syમેigen, matrix subcommand, [P] [matrix syમેigen](#)
- _syમેigen_la() function, [M-5] [eigensystem\(\)](#)
- _syમેigenselect() function, [M-5] [eigensystem\(\)](#)
- syમેigenselect*() functions, [M-5] [eigensystemselect\(\)](#)
- syમેigenselect*() functions, [M-5] [eigensystemselect\(\)](#)
- _syમેigenvalues() function, [M-5] [eigensystem\(\)](#)
- syમેigenvalues() function, [M-5] [eigensystem\(\)](#)
- symmetric matrices, [M-5] [issymmetric\(\)](#), [M-5] [makesymmetric\(\)](#), [M-6] [Glossary](#)
- symmetrically, [M-6] [Glossary](#)
- symmetry, [PSS-2] [power](#), [PSS-2] [power pairedproportions](#), [PSS-2] [power mcc](#), [PSS-5] [Glossary](#)
- plots, [R] [Diagnostic plots](#)
- test, [R] [symmetry](#)
- symmetry command, [R] [symmetry](#)
- symmi command, [R] [symmetry](#)
- symplo command, [R] [Diagnostic plots](#)
- syntax, [M-2] [Syntax](#)
- diagrams explained, [R] [Intro](#)
- syntax of Stata's language, [P] [syntax](#), [U] [11 Language syntax](#)
- syntax command, [P] [syntax](#)
- sysdir
- command, [U] [17.5 Where does Stata look for ado-files?](#)
- list command, [P] [sysdir](#)
- macro function, [P] [macro](#)
- set command, [P] [sysdir](#)
- sysmiss, see [missing values](#)
- system
- estimators, [BAYES] [bayes: mvreg](#), [DSGE] [dsge](#), [DSGE] [dsge](#), [ERM] [eintreg](#), [ERM] [eoprobit](#), [ERM] [eprobit](#), [ERM] [eregress](#), [FMM] [fmm: ivregress](#), [MV] [mvreg](#), [R] [gmm](#), [R] [ivpoisson](#), [R] [ivprobit](#), [R] [ivregress](#), [R] [ivtobit](#), [R] [nlshr](#), [R] [reg3](#), [R] [sureg](#), [SEM] [Intro 5](#), [SEM] [gsem](#), [SEM] [sem](#), [SP] [spivregress](#), [SP] [spregress](#), [SP] [spxtregress](#), [TE] [eteffects](#), [TE] [etpoisson](#), [TE] [etregress](#), [TE] [stteffects intro](#), [TE] [teffects intro](#), [TS] [dfactor](#), [TS] [mgarch](#), [TS] [mgarch ccc](#), [TS] [mgarch dcc](#), [TS] [mgarch dveh](#), [TS] [mgarch vcc](#), [TS] [sspace](#), [TS] [var](#), [TS] [var svar](#), [TS] [vec](#), [U] [27.3.6 Multiple-equation models](#), [XT] [xtabond](#), [XT] [xtdpd](#), [XT] [xtdpdsys](#), also see [generalized method of moments](#)

system, *continued*

limits, [P] **creturn**

of equations, solving, [M-4] **Solvers**,

[M-5] **lapack()**, [M-5] **solvenl()**

parameters, [M-3] **mata set**, [P] **creturn**, [P] **set locale_functions**, [P] **set locale_ui**, [R] **query**, [R] **set**, [R] **set_defaults**

values, [P] **creturn**

variables, [U] **13.4 System variables (_variables)**

systematic review, [META] **Intro**, [META] **meta funnelplot**, [META] **Glossary**

sysuse

command, [D] **sysuse**

dir command, [D] **sysuse**

szroeter, estat subcommand, [R] **regress postestimation**

Szroeter's test for heteroskedasticity, [R] **regress postestimation**

T

t distribution,

cdf, [FN] **Statistical functions**, [M-5] **normal()**

confidence interval for mean, [R] **ci**, [R] **mean**

testing equality of means, [R] **esize**, [R] **ttest**

%t formats, [D] **Datetime**, [D] **format**

t() function, [FN] **Statistical functions**, [M-5] **normal()**

t test, [PSS-5] **Glossary**

t1title() option, [G-3] **title_options**

t2title() option, [G-3] **title_options**

tab characters, show, [D] **type**

tab expansion of variable names, [U] **10.6 Tab expansion of variable names**

tab1 command, [R] **tabulate oneway**

tab2 command, [R] **tabulate twoway**

tabdisp command, [P] **tabdisp**

tabi command, [R] **tabulate twoway**

table,

bayesirf subcommand, [BAYES] **bayesirf table**

estat subcommand, [MV] **ca postestimation**

estimates subcommand, [R] **estimates table**

irf subcommand, [TS] **irf table**

putdocx subcommand, [RPT] **putdocx table**

putpdf subcommand, [RPT] **putpdf table**

table command, [R] **table oneway**, [R] **table twoway**, [R] **table multiway**, [R] **table summary**, [R] **table hypothesis tests**, [R] **table regression**, [R] **table**, [TABLES] **Example 1**, [TABLES] **Example 2**, [TABLES] **Example 3**, [TABLES] **Example 5**

table,

impulse–response functions, [BAYES] **bayesirf table**, [BAYES] **bayesirf ctable**

layout, [TABLES] **Glossary**

tables,

N-way, [P] **tabdisp**

tables, *continued*

actuarial, see life tables

classification, see classification table

coefficient,

display in exponentiated form, [FMM] **estat eform**, [R] **eform_option**, [SEM] **estat eform**

display settings, [R] **Estimation options**, [R] **set showbaselevels**

format settings, [R] **set cformat**

maximum likelihood display options, [R] **ml**

system parameter settings, [R] **set**

confidence interval, [PSS-3] **ciwidth**, **table**

contingency, [R] **Epitab**, [R] **symmetry**, [R] **table**

oneway, [R] **table twoway**, [R] **table**

multiway, [R] **table**, [R] **tabulate twoway**,

[SVY] **svy: tabulate twoway**

customized, [R] **table**, [RPT] **putdocx collect**,

[RPT] **putexcel**, [RPT] **putpdf collect**,

[TABLES] **Intro**, [TABLES] **Intro 1**,

[TABLES] **Intro 2**, [TABLES] **Intro 3**,

[TABLES] **Intro 4**, [TABLES] **Intro 5**

epidemiological, see epidemiology and related, tables

estimation results, [R] **estimates selected**,

[R] **estimates table**, [R] **etable**, [R] **table**

regression, [R] **table**

failure, see failure tables

formatting numbers in, [D] **format**

fourfold, see fourfold tables

frequency, [R] **table oneway**, [R] **table twoway**,

[R] **table multiway**, [R] **tabulate oneway**,

[R] **tabulate twoway**, [SVY] **svy: tabulate**

oneway, [SVY] **svy: tabulate twoway**, [R] **table**,

[R] **table summary**, [R] **tabstat**, [R] **tabulate**, **summarize()**

hazard, see hazard tables

impulse–response function, [TS] **irf ctable**, [TS] **irf table**

life, see life tables

missing values, [MI] **mi misstable**, [R] **misstable**

output, [PSS-2] **power**, **table**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-3] **ciwidth**, **table**

power, [PSS-2] **power**, **table**

printing, [U] **15 Saving and printing output—log files**

programming, [P] **tabdisp**

summary statistics, [BAYES] **bayesstats summary**,

[R] **table summary**, [R] **table**, [R] **tabstat**,

[R] **tabulate**, **summarize()**

table_style, **set** subcommand, [R] **set**,

[TABLES] **set table_style**

tabodds command, [R] **Epitab**

tabstat command, [R] **tabstat**

tabulate

one-way, [SVY] **svy: tabulate oneway**

two-way, [SVY] **svy: tabulate twoway**

tabulate command, [R] **tabulate oneway**,

[R] **tabulate twoway**

summarize(), [R] **tabulate**, **summarize()**

- tag, duplicates subcommand, [D] **duplicates**
- tag(), egen function, [D] **egen**
- Tagged Image File Format, [G-2] **graph export**, [G-3] **tif_options**, [G-4] **Glossary**
- tan() function, [FN] **Trigonometric functions**, [M-5] **sin()**
- tangent functions, [FN] **Trigonometric functions**, [M-5] **sin()**
- tanh() function, [FN] **Trigonometric functions**, [M-5] **sin()**
- TARCH, see **threshold autoregressive conditional heteroskedasticity**
- target
- between-group variance, [PSS-2] **power oneway**
 - correlation, [PSS-2] **power**, [PSS-2] **power onecorrelation**, [PSS-2] **power twocorrelations**
 - discordant proportions, [PSS-2] **power**, [PSS-2] **power pairedproportions**
 - effect variance, [PSS-2] **power twoway**, [PSS-2] **power repeated**
 - hazard difference, [PSS-2] **power exponential**
 - hazard ratio, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 - log hazard-ratio, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 - mean, [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-2] **power twomeans**, [PSS-4] **Unbalanced designs**
 - mean difference, [PSS-2] **power**, [PSS-2] **power pairedmeans**
 - odds ratio, [PSS-2] **power cmh**, [PSS-2] **power mcc**
 - parameter, [PSS-5] **Glossary**
 - partial correlation, [PSS-2] **power**, [PSS-2] **power pcorr**
 - proportion, [PSS-2] **power**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**
 - regression coefficient, [PSS-2] **power cox**
 - rotation, [MV] **procrustes**, [MV] **rotate**, [MV] **rotatemat**, [MV] **Glossary**
 - R^2 , [PSS-2] **power**, [PSS-2] **power rsquared**
 - slope, [PSS-2] **power**, [PSS-2] **power oneslope**
 - standard deviation, [PSS-2] **power**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**
 - variance, [PSS-2] **power**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**
- tau, [R] **spearman**
- taxonomy, [MV] **Glossary**, also see **cluster analysis**
- Taylor linearization, see **linearized variance estimator**
- tC() pseudofunction, [D] **Datetime**, [FN] **Date and time functions**
- tC() pseudofunction, [D] **Datetime**, [FN] **Date and time functions**
- TCC, see **test characteristic curve**
- tcc, irtgraph subcommand, [IRT] **irtgraph tcc**
- td() pseudofunction, [D] **Datetime**, [FN] **Date and time functions**
- tden() function, [FN] **Statistical functions**, [M-5] **normal()**
- TDT test, see **transmission-disequilibrium test**
- tebalance
- box command, [TE] **tebalance box**
 - command, [TE] **tebalance**
 - density command, [TE] **tebalance density**
 - overid command, [TE] **tebalance overid**
 - summarize command, [TE] **tebalance summarize**
- technical support, [U] **3.8 Technical support**
- technique, [SEM] **Glossary**
- teffects
- aipw command, [TE] **teffects aipw**
 - command, [TE] **tebalance**, [TE] **teffects**, [TE] **teffects postestimation**
 - ipw command, [TE] **teffects ipw**
 - ipwra command, [TE] **teffects ipwra**
 - nnmatch command, [TE] **teffects nnmatch**
 - overlap command, [TE] **teoverlap**
 - psmatch command, [TE] **teffects psmatch**
 - ra command, [ERM] **Example 2a**, [ERM] **Example 2b**, [TE] **teffects ra**
- teffects, estat subcommand, [ERM] **Intro 9**, [ERM] **estat teffects**, [SEM] **Intro 7**, [SEM] **estat teffects**, [SEM] **Example 42g**
- telasso command, [TE] **telasso**, [TE] **telasso postestimation**
- tempfile command, [P] **macro**
- tempfile macro function, [P] **macro**
- tempname, class, [P] **class**
- tempname command, [P] **macro**, [P] **matrix**, [P] **scalar**
- tempname macro function, [P] **macro**
- temporary, see **preserve data**
- argument, [M-5] **isfleeing()**
 - files, [M-5] **st_tempname()**, [P] **macro**, [P] **preserve**, [P] **scalar**, [U] **18.7.3 Temporary files**
 - frames, [U] **18.7.4 Temporary frames**
 - names, [M-5] **st_tempname()**, [P] **macro**, [P] **matrix**, [P] **scalar**, [U] **18.7.2 Temporary scalars and matrices**
 - scalars and matrices, [M-5] **st_tempname()**, [P] **matrix**, [P] **scalar**, [U] **18.7.2 Temporary scalars and matrices**
 - variables, [M-2] **pointers**, [P] **macro**, [P] **mark**, [U] **18.7.1 Temporary variables**
- varlists
- with factor variables, [R] **fvvar**
 - with time-series operators, [TS] **tsvar**
- tempvar command, [P] **macro**
- tempvar macro function, [P] **macro**
- termcap(5), [U] **10 Keyboard use**
- terminal
- obtaining input from, [P] **display**
 - suppressing output, [P] **quietly**
- terminfo(4), [U] **10 Keyboard use**
- test
- after estimation, see **estimation**, test after **characteristic curve**, [IRT] **irt**, [IRT] **irtgraph tcc**, [IRT] **Glossary**

test, *continued*

information function, [IRT] [irt](#), [IRT] [irtgraph.tif](#), [IRT] [Glossary](#)
 of symmetry, [PSS-2] [power](#), [PSS-2] [power pairedproportions](#), [PSS-2] [power mcc](#)
 quantity, [BAYES] [Glossary](#)
 statistic, [BAYES] [Glossary](#), [PSS-2] [power](#), [PSS-2] [power onemean](#), [PSS-2] [power twomeans](#), [PSS-2] [power pairedmeans](#), [PSS-2] [power oneproportion](#), [PSS-2] [power twoproportions](#), [PSS-2] [power pairedproportions](#), [PSS-2] [power onevariance](#), [PSS-2] [power twovariances](#), [PSS-2] [power onecorrelation](#), [PSS-2] [power twocorrelations](#), [PSS-2] [power oneway](#), [PSS-2] [power twoway](#), [PSS-2] [power repeated](#), [PSS-2] [power oneloop](#), [PSS-2] [power rsquared](#), [PSS-2] [power pcorr](#), [PSS-5] [Glossary](#)

test,

[mi](#) subcommand, [MI] [mi test](#)
[sts](#) subcommand, [ST] [sts test](#)

test,

[ARCH](#), see [autoregressive conditional heteroskedasticity test](#)
 association, see [association test](#)
 autocorrelation, see [autocorrelation test](#)
 autoregressive conditional heteroskedasticity, see [autoregressive conditional heteroskedasticity test](#)
 Bartlett's periodogram, see [Bartlett's periodogram test](#)
 Bayesian hypothesis, see [Bayesian hypothesis testing](#)
 binomial, see [binomial test](#)
 binomial probability, see [binomial probability test](#)
 bioequivalence, see [bioequivalence test](#)
 Box *M*, see [Box *M* test](#)
 Breitung, see [Breitung test](#)
 Breusch–Godfrey, see [Breusch–Godfrey test](#)
 Breusch–Pagan, see [Breusch–Pagan test](#)
 Breusch–Pagan Lagrange multiplier, see [Breusch–Pagan Lagrange multiplier test](#)
 Breusch–Pagan/Cook–Weisberg, see [Breusch–Pagan/Cook–Weisberg test for heteroskedasticity](#)
 χ^2 , see [\$\chi^2\$ test](#)
 for marginal homogeneity, see [\$\chi^2\$ test for marginal homogeneity](#)
 of independence, see [\$\chi^2\$ test of independence](#)
 χ^2 hypothesis, see [\$\chi^2\$ hypothesis test](#)
 Chow, see [Chow test](#)
 Cochran–Armitage, see [Cochran–Armitage test](#)
 Cochran–Mantel–Haenszel, see [Cochran–Mantel–Haenszel test](#)
 cointegration, see [cointegration test](#)
 comparison (between nested models), see [comparison test between nested models](#)
 Cook–Weisberg, for heteroskedasticity, see [Cook–Weisberg test for heteroskedasticity](#)
 correlations, see [correlation tests of](#)
 covariate balance, see [treatment effects, covariate balance](#)

test, *continued*

Cox proportional hazards model, assumption, see [Cox proportional hazards model, test of assumption](#)
 cusum, see [cusum test](#)
 Dickey–Fuller, see [Dickey–Fuller test](#)
 differences of two means, see [differences of two means test](#)
 directional, see [one-sided test \(power\)](#)
 Doornik–Hansen normality, see [Doornik–Hansen normality test](#)
 Durbin's alternative, see [Durbin's alternative test](#)
 endogeneity, see [endogeneity test](#)
 Engle's LM, see [Engle's LM test](#)
 equal FMI, see [equal FMI test](#)
 equality of
 binomial proportions, see [equality test of binomial proportions](#)
 coefficients, see [equality test of coefficients](#)
 correlations, see [equality test of correlations](#)
 covariances, see [equality test of covariances](#)
 distributions, see [distributions, testing equality of](#)
 margins, see [equality test of margins](#)
 means, see [equality test of means](#)
 medians, see [equality test of medians](#)
 proportions, see [equality test of proportions](#)
 ROC areas, see [equality test of ROC areas](#)
 survivor functions, see [equality test, survivor functions](#)
 variances, see [equality test of variances](#)
 equivalence, see [equivalence test](#)
 exact, see [exact test](#)
 exogeneity, see [endogeneity test](#)
 exponential, see [exponential test](#)
F, see [F test](#)
 Fisher–Irwin's exact, see [Fisher–Irwin's exact test](#)
 Fisher-type, see [Fisher-type test](#)
 Fisher's exact, see [Fisher's exact test](#)
 Fisher's *z*, see [Fisher's *z* test](#)
 goodness-of-fit, see [goodness of fit](#)
 Granger causality, see [Granger causality](#)
 group invariance, see [group invariance test](#)
 Hadri Lagrange multiplier, see [Hadri Lagrange multiplier stationarity test](#)
 Harris–Tzavalis, see [Harris–Tzavalis test](#)
 Hausman specification, see [Hausman specification test](#)
 Henze–Zirkler normality, see [Henze–Zirkler normality test](#)
 heterogeneity, see [heterogeneity test](#)
 heteroskedasticity, see [heteroskedasticity test](#)
 homogeneity, see [homogeneity test](#)
 Hosmer–Lemeshow goodness-of-fit, see [Hosmer–Lemeshow goodness-of-fit test](#)
 hypothesis, see [hypothesis test](#)
 Im–Pesaran–Shin, see [Im–Pesaran–Shin test](#)
 independence, *also* see [Breusch–Pagan test](#), see [independence test](#)

test, *continued*

- independence of irrelevant alternatives, see [independence of irrelevant alternatives](#)
- information matrix, see [information matrix test](#)
- internal consistency, see [internal consistency test](#)
- interrater agreement, see [interrater agreement](#)
- interval hypothesis, see [interval hypothesis test](#)
- Kao, see [Kao test](#)
- Kolmogorov–Smirnov, see [Kolmogorov–Smirnov test](#)
- Kruskal–Wallis, see [Kruskal–Wallis test](#)
- kurtosis, see [kurtosis](#)
- Lagrange multiplier, see [Lagrange multiplier test](#)
- Levin–Lin–Chu, see [Levin–Lin–Chu test](#)
- likelihood-ratio, see [likelihood-ratio test](#)
- linear hypotheses after estimation, see [linear hypothesis test after estimation](#)
- log-rank, see [log-rank test](#)
- Mantel–Haenszel, see [Mantel–Haenszel test](#)
- marginal homogeneity, see [marginal homogeneity, test of](#)
- margins, see [margins test](#)
- matched-pairs, see [matched-pairs test](#)
- McNemar’s, see [McNemar’s test](#)
- McNemar’s χ^2 test, see [McNemar’s test](#)
- model
 - coefficients, see [model coefficients test](#)
 - simplification, see [model simplification test](#)
 - specification, see [specification test](#)
- modification indices, see [modification indices](#)
- Moran, see [Moran’s test of residual correlation with nearby residuals](#)
- multiple-comparison, see [multiple comparisons](#)
- multiple-sample, see [multiple-sample test](#)
- multivariate, see [multivariate test](#)
- nonlinear, see [nonlinear test](#)
- nonlinear hypotheses after estimation, see [nonlinear hypothesis test after estimation](#)
- normality, see [normal distribution and normality, see normality test](#)
- omitted variables, see [omitted variables test](#)
- one-sample, see [one-sample test](#)
- one-sided, see [one-sided test \(power\)](#)
- overidentifying restrictions, see [overidentifying restrictions, tests of](#)
- overlap assumption, see [overlap assumption](#)
- paired-sample, see [paired-sample test](#)
- periodogram, see [Bartlett’s periodogram test](#)
- permutation, see [permutation test](#)
- proportions, stratified, see [proportions, stratified test](#)
- quadrature, see [quadrature](#)
- Ramsey, see [Ramsey test](#)
- random-order, see [random-order test](#)
- RESET, see [RESET test](#)
- Roy’s largest root, see [Roy’s largest root test](#)
- Roy’s union-intersection, see [Roy’s union-intersection test](#)
- Sargan, see [Sargan test](#)

test, *continued*

- Satterthwaite’s t , see [Satterthwaite’s \$t\$ test](#)
- score, see [score test](#)
- serial correlation, see [autocorrelation](#)
- serial independence, see [serial independence test](#)
- Shapiro–Francia, see [Shapiro–Francia test for normality](#)
- Shapiro–Wilk, see [Shapiro–Wilk test for normality](#)
- sign, see [sign test](#)
- skewness, see [skewness](#)
- specification, see [specification test](#)
- stratified, see [stratified test](#)
- structural break, see [structural break](#)
- symmetry, see [symmetry test](#)
- Szroeter’s, see [Szroeter’s test for heteroskedasticity \$t\$, see \$t\$ test](#)
- TDT, see [transmission-disequilibrium test](#)
- transmission-disequilibrium, see [transmission-disequilibrium test](#)
- trend, see [trend, test for](#)
- two-sample, see [two-sample test](#)
- two-sample paired, see [paired-sample test](#)
- two-sided, see [two-sided test \(power\)](#)
- unit-root, see [unit-root test](#)
- unrestricted FMI, see [unrestricted FMI test](#)
- variance-comparison, see [variance-comparison test](#)
- Wald, see [Wald test](#)
- weak instrument, see [weak instrument test](#)
- z , see [\$z\$ test](#)

test command, [R] [anova postestimation](#), [R] [test, \[SEM\] estat stdize](#), [SEM] [Example 8](#), [SEM] [Example 9](#), [SEM] [Example 16](#), [SEM] [test](#), [SVY] [Survey](#), [SVY] [svy postestimation](#), [U] [20.13 Performing hypothesis tests on the coefficients](#)

tested covariates, [PSS-5] [Glossary](#)

testnl command, [R] [testnl](#), [SEM] [estat stdize](#), [SEM] [testnl](#), [SVY] [svy postestimation](#)

testparm command, [R] [test](#), [SEM] [test](#), [SVY] [svy postestimation](#)

testtransform, mi subcommand, [MI] [mi test](#)

tetrachoric command, [R] [tetrachoric](#)

tetrachoric correlation, [MV] [Glossary](#), [R] [tetrachoric test](#),

- [putdocx subcommand](#), [RPT] [putdocx paragraph](#)
- [putpdf subcommand](#), [RPT] [putpdf paragraph](#)

text() option, [G-3] [added_text_options](#), [G-3] [aspect_option](#)

text,

- [ASCII](#), [D] [Glossary](#), [M-5] [ascii\(\)](#), [M-5] [isascii\(\)](#), [U] [Glossary](#)
- encoding, [D] [unicode](#), [D] [unicode encoding](#), [U] [12.4.2 Handling Unicode strings](#), [U] [12.4.2.3 Encodings](#)
- encoding conversion, [D] [unicode convertfile](#), [D] [unicode translate](#)
- exporting, see [export data](#)
- importing, see [import data](#)

text, *continued*

in files,

examining, [D] [hexdump](#)
 modifying, [D] [filefilter](#), [M-4] [IO](#), [P] [file](#)
 writing and reading, [M-4] [IO](#), [P] [file](#)

in graphs, [G-4] [text](#)

adding, [G-3] [added_text_options](#)
 angle of, [G-4] [anglestyle](#)
 captions, [G-3] [title_options](#)
 look of, [G-4] [textboxstyle](#), [G-4] [textstyle](#)
 note, [G-3] [title_options](#)
 resizing, [G-3] [scale_option](#)
 running outside of borders,
 [G-3] [added_text_options](#)
 size of, [G-3] [textbox_options](#)
 subtitle, [G-3] [title_options](#)
 title, [G-3] [title_options](#)
 vertical alignment, [G-4] [alignmentstyle](#)

reading data in, see [import data](#)

saving data in, see [export data](#)

Unicode, [D] [unicode](#), [U] [12.4.2 Handling Unicode strings](#)

text and textboxes, relationship between, [G-4] [textstyle](#)

textblock append, [putdocx](#) subcommand,

 [RPT] [putdocx paragraph](#)

textblock begin, [putdocx](#) subcommand,

 [RPT] [putdocx paragraph](#)

textblock end, [putdocx](#) subcommand,

 [RPT] [putdocx paragraph](#)

textboxes, [G-3] [textbox_options](#), [G-4] [Glossary](#)

orientation of, [G-4] [orientationstyle](#)

[textboxstyle](#), [G-4] [textboxstyle](#), [G-4] [Glossary](#)

textfile, [putdocx](#) subcommand, [RPT] [putdocx paragraph](#)

[textsizestyle](#), [G-4] [textsizestyle](#), [G-4] [Glossary](#)

[textstyle](#), [G-4] [textstyle](#), [G-4] [Glossary](#)

th() pseudofunction, [D] [Datetime](#), [FN] [Date and time functions](#)

thickness of lines, [G-4] [linewidthstyle](#)

thinning, [BAYES] [bayesmh](#), [BAYES] [Glossary](#)

Thomson scoring, [MV] [factor postestimation](#)

thrashing, [ST] [Glossary](#)

three-dimensional graph, [G-2] [graph twoway contour](#),

 [G-2] [graph twoway contourline](#)

three-level model, [ME] [me](#), [ME] [Glossary](#)

three-parameter logistic model, [IRT] [irt 3pl](#),

 [IRT] [Glossary](#)

three-stage least squares, [R] [reg3](#)

threshold autoregressive conditional heteroskedasticity,
 [TS] [arch](#)

threshold command, [TS] [threshold](#), [TS] [threshold postestimation](#)

tick,

definition, [G-4] [tickstyle](#), [G-4] [Glossary](#)

suppressing, [G-4] [tickstyle](#)

[ticksetstyle](#), [G-4] [ticksetstyle](#), [G-4] [Glossary](#)

[tickstyle](#), [G-4] [tickstyle](#), [G-4] [Glossary](#)

ties, [MV] [Glossary](#)

TIF, see [test information function](#)

tif, [irtgraph](#) subcommand, [IRT] [irtgraph tif](#)

TIFF, see [Tagged Image File Format](#)

tightness, see [prior tightness](#)

parameter, [BAYES] [Glossary](#)

time and date, see [date and time](#)

time of day, [P] [creturn](#)

time stamp, [D] [describe](#)

time variable, [SP] [Glossary](#)

time variables and values, [D] [Datetime](#), [D] [Datetime](#)

[durations](#), [D] [Datetime relative dates](#),

 [D] [Datetime values from other software](#)

time, variable identifying, [CM] [cmset](#)

time-domain analysis, [TS] [arch](#), [TS] [arima](#),

 [TS] [arima](#), [TS] [Glossary](#)

timer

clear command, [P] [timer](#)

list command, [P] [timer](#)

off command, [P] [timer](#)

on command, [P] [timer](#)

time-series

calendar, [D] [Datetime business calendars](#)

data, importing, [D] [import fred](#), also see [import data](#)

estimation, [U] [27.14 Time-series models](#), also see [multivariate time series](#), also see [univariate time series](#)

filters, see [filters](#)

forecast, see [forecast](#)

formats, [D] [format](#)

functions, [FN] [Selecting time-span functions](#)

graphs,

 autocorrelations, [TS] [corrgram](#)

 cross-correlogram, [TS] [xcorr](#)

 cumulative spectral distribution, [TS] [cumsp](#)

 dynamic-multiplier functions, see [time-series graphs](#), [impulse-response functions](#)

 FEVD, see [time-series graphs](#), [impulse-response functions](#)

 forecasts, [BAYES] [bayesfcst graph](#), [TS] [fcst graph](#)

 impulse-response functions, [BAYES] [bayesirf graph](#), [BAYES] [bayesirf cgraph](#), [BAYES] [bayesirf ograph](#), [BAYES] [bayesirf table](#), [BAYES] [bayesirf ctable](#), [TS] [irf cgraph](#), [TS] [irf graph](#), [TS] [irf ograph](#)

 line plots, [G-2] [graph twoway tsline](#), [TS] [tsline](#)

 parametric autocorrelation and autocovariance, [TS] [estat acplot](#)

 periodogram, [TS] [pergram](#)

 impulse-response functions, see [impulse-response functions](#)

lags and leads, see [lagged values](#)

moving average, see [moving average](#)

multivariate, see [multivariate time series](#)

time-series, *continued*

operators, [U] **11.4.4 Time-series varlists**,
[U] **13.10 Time-series operators**
programming, [M-5] **st_tsrevar()**, [TS] **tsrevar**
parametric spectral density, [TS] **psdensity**
rolling regressions, [TS] **rolling**
setup and utilities, [TS] **tsappend**, [TS] **tsfill**,
[TS] **tsreport**, [TS] **tsset**
smoothers, *see* **smoothers**
tests
after regress, [R] **regress postestimation time series**
for parameter stability, [TS] **estat sbcusum**
for structural break, [TS] **estat sbknown**,
[TS] **estat sbsingle**
for unit roots, *see* unit-root test
for white noise, [TS] **wntestb**, [TS] **wntestq**
unabbreviating varlists, [P] **unab**
univariate, *see* **univariate time series**
time-series–operated variable, [M-5] **st_data()**,
[M-5] **st_tsrevar()**, [M-6] **Glossary**
time-span data, [ST] **spanspan**
time-varying covariates, [ST] **Glossary**
time-varying variance, [TS] **arch**
timing code, [P] **timer**
tin() function, [FN] **Selecting time-span functions**
title,
collect subcommand, [TABLES] **collect title**
title, estimates subcommand, [R] **estimates title**
title() option, [G-3] **title_options**
titlecase, [D] **Glossary**, [M-6] **Glossary**, [P] **Glossary**,
[U] **Glossary**, *also see* lowercase-string functions,
also see uppercase-string functions
titles, [G-3] **title_options**
of axis, [G-3] **axis_title_options**
tlabel() option, [G-3] **axis_label_options**
TLI, *see* Tucker–Lewis index
tm() pseudofunction, [D] **Datetime**, [FN] **Date and time functions**
tmlabel() option, [G-3] **axis_label_options**
TMPDIR Unix environment variable, [P] **macro**
tmtick() option, [G-3] **axis_label_options**
tnbreg command, [R] **tnbreg**, [R] **tnbreg postestimation**
tobit command, [R] **tobit**, [R] **tobit postestimation**
tobit estimator, [ERM] **Glossary**
tobit regression, [R] **tobit**, [U] **27.3.5 Regression with censored and truncated outcomes**, *also see* **intreg** command
Bayesian estimation, [BAYES] **bayes: metobit**,
[BAYES] **bayes: tobit**
finite mixture models, [FMM] **fmm: tobit**
multilevel, [BAYES] **bayes: metobit**, [ME] **metobit**
random-effects, [ERM] **eintreg**, [XT] **xttobit**
structural equation modeling, [SEM] **Example 43g**
with endogenous covariates, [R] **ivtobit**, [SVY] **svy estimation**
with endogenous treatment, [ERM] **eintreg**

tobit regression, *continued*

with sample selection, [ERM] **eintreg**
with survey data, [SVY] **svy estimation**
tobytes() function, [FN] **String functions**
.toc filename suffix, [R] **net**
today() function, [D] **Datetime relative dates**,
[FN] **Date and time functions**, [M-5] **date()**
Toeplitz() function, [M-5] **Toeplitz()**
token, [P] **Glossary**
tokenallowhex() function, [M-5] **tokenget()**
tokenallownum() function, [M-5] **tokenget()**
tokenget() function, [M-5] **tokenget()**
tokengetall() function, [M-5] **tokenget()**
tokeninit() function, [M-5] **tokenget()**
tokeninitstata() function, [M-5] **tokenget()**
tokenize command, [P] **tokenize**
tokenoffset() function, [M-5] **tokenget()**
tokenpchars() function, [M-5] **tokenget()**
tokenpeek() function, [M-5] **tokenget()**
tokenqchars() function, [M-5] **tokenget()**
tokenrest() function, [M-5] **tokenget()**
tokens() function, [M-5] **tokens()**
tokenset() function, [M-5] **tokenget()**
tokenwchars() function, [M-5] **tokenget()**
tolerances, [M-1] **Tolerance**, [M-5] **moptimize()**,
[M-5] **optimize()**, [M-5] **solve_tol()**, [R] **ml**,
[R] **mlexp**, [R] **set iter**
top() suboption, [G-4] **alignmentstyle**
tostring command, [D] **destring**
total
characteristic curve, *see* **test characteristic curve**
effects, *see* **effects**, *total*
impacts, [SP] **spivregress postestimation**,
[SP] **spregress postestimation**, [SP] **spxtregress postestimation**
inertia, [MV] **ca**, [MV] **ca postestimation**,
[MV] **mca**, [MV] **mca postestimation**,
[MV] **Glossary**
information function, *see* **test information function**
principal inertia, [MV] **ca**, [MV] **mca**,
[MV] **Glossary**
sample size, *see* **sample-size**
total command, [R] **total**, [R] **total postestimation**
total(), egen function, [D] **egen**
totals, estimation, [R] **total**, [U] **27.2 Means, proportions, and related statistics**
totals, survey data, [SVY] **svy estimation**
toward a target rotation, [MV] **procrustes**, [MV] **rotate**,
[MV] **rotatemat**
tpoisson command, [R] **tpoisson**, [R] **tpoisson postestimation**
tq() pseudofunction, [D] **Datetime**, [FN] **Date and time functions**
trace,
ml subcommand, [R] **ml**
query subcommand, [R] **query**
set subcommand, [P] **creturn**, [P] **trace**, [R] **set**

- `trace()` function, [FN] **Matrix functions**, [M-5] `trace()`, [P] **matrix define**
- trace of matrix, [M-5] `trace()`, [P] **matrix define**
- traceback log, [M-2] **Errors**, [M-5] `error()`, [M-6] **Glossary**
- `tracedepth`, set subcommand, [P] `creturn`, [P] `trace`, [R] **set**
- `traceexpand`, set subcommand, [P] `creturn`, [P] `trace`, [R] **set**
- `tracehilit`, set subcommand, [P] `creturn`, [P] `trace`, [R] **set**
- `traceindent`, set subcommand, [P] `creturn`, [P] `trace`, [R] **set**
- `tracenumber`, set subcommand, [P] `creturn`, [P] `trace`, [R] **set**
- `tracesep`, set subcommand, [P] `creturn`, [P] `trace`, [R] **set**
- tracing iterative maximization process, [R] **Maximize**
- training, [U] **3.6 Conferences and training**
- transfer data
 - copying and pasting, [D] **edit**
 - from Stata, [D] **export**
 - into Stata, [D] **import**, [U] **22 Entering and importing data**
- transformations, [MV] **procrustes**
 - fractional polynomial, [R] **fp**
 - log, [R] **lnskew0**
 - modulus, [R] **boxcox**
 - power, [R] **boxcox**, [R] **lnskew0**
- Procrustes, [MV] **procrustes**
 - to achieve normality, [R] **boxcox**, [R] **ladder**
 - to achieve zero skewness, [R] **lnskew0**
- transformed coefficients, [R] **lincom**, [R] **nlcom**
 - exponentiated, see **exponentiated coefficients**
 - multiple imputation, [MI] **mi estimate**, [MI] **mi estimate using**, [MI] **mi test**
- transition, `estat` subcommand, [DSGE] `estat transition`
- translate
 - files with Unicode, [D] **unicode translate**
 - logs, [R] **translate**
- `translate` command, [R] **translate**
- translation, file, [D] **changeool**, [D] **filefilter**
- translator
 - query command, [R] **translate**
 - reset command, [R] **translate**
 - set command, [R] **translate**
- `transmap`
 - define command, [R] **translate**
 - query command, [R] **translate**
- transmission-disequilibrium test, [R] **symmetry**
- transmorphic, [M-2] **Declarations**, [M-6] **Glossary**
- transparency, [G-4] **colorstyle**, also see **opacity**
- transpose, [M-6] **Glossary**, also see **conjugate transpose**
 - data, [D] **xpose**, also see **reshape data**
 - matrix, [M-2] **op_transpose**, [P] **matrix define**
 - in place, [M-5] **_transpose()**
 - without conjugation, [M-5] **transposeonly()**
 - operator, [M-2] **op_transpose**
- `_transpose()` function, [M-5] **_transpose()**
- `_transposeonly()` function, [M-5] **transposeonly()**
- `transposeonly()` function, [M-5] **transposeonly()**
- transposition, see **transpose**
- treatment, [ERM] **Glossary**
- treatment arms, [ERM] **Glossary**
- treatment assignment, [D] **splitsample**, [ERM] **Glossary**
- treatment effects, [ERM] **predict treatment**, [ERM] **Glossary**
 - covariate balance, [TE] **tebalance**, [TE] **tebalance box**, [TE] **tebalance density**, [TE] **tebalance overid**, [TE] **tebalance summarize**
 - difference in differences, [TE] **didregress**
 - doubly robust estimators, [TE] **teffects aiwp**, [TE] **teffects ipwra**, [TE] **telasso**
 - endogenous, [ERM] **Intro 1**, [ERM] **eintreg**, [ERM] **eoprobit**, [ERM] **eprobit**, [ERM] **eregress**, [SEM] **Example 46g**, [TE] **eteffects**, [TE] **eteffects postestimation**, [TE] **etpoisson**, [TE] **etpoisson postestimation**, [TE] **etregress**, [TE] **etregress postestimation**
 - exogenous, [ERM] **Intro 1**, [ERM] **Intro 5**, [ERM] **Example 2a**, [ERM] **Example 2b**
 - if on the treated, [ERM] **predict treatment**
 - inverse-probability weighting, [TE] **stteffects ipw**, [TE] **teffects ipw**
 - matching estimators, [TE] **teffects nnmatch**, [TE] **teffects psmatch**
 - overlap plots, [TE] **teoverlap**
 - overview, [TE] **Intro**, [TE] **Treatment effects**, [TE] **stteffects intro**, [TE] **teffects**, [TE] **teffects intro**, [TE] **teffects intro advanced**, [TE] **teffects multivalued**, [U] **27.20 Treatment-effects models**
 - postestimation, [TE] **teffects postestimation**
 - power, [PSS-2] **power**, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power exponential**, [PSS-2] **power logrank**
 - precision, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**
 - regression adjustment, [TE] **stteffects ra**, [TE] **teffects ra**
 - survey data, [SVY] **svy estimation**
 - survival-time data, [TE] **stteffects**, [TE] **stteffects intro**, [TE] **stteffects ipw**, [TE] **stteffects ipwra**, [TE] **stteffects postestimation**, [TE] **stteffects ra**, [TE] **stteffects wra**
- treatment model, [ERM] **Glossary**, [TE] **Glossary**
- treatment statistics, [ERM] **Intro 5**

- tree, **misstable** subcommand, [R] **misstable**
- trees, [MV] **cluster**, [MV] **cluster dendrogram**
- trend, [DSGE] **Glossary**, [TS] **Glossary**
- test for, [PSS-2] **power**, [PSS-2] **power trend**, [R] **Epitab**, [R] **nptrend**, [R] **symmetry**, [ST] **strate**, [ST] **sts test**
- trend, **power** subcommand, [PSS-2] **power trend**
- trendplots, **estat** subcommand, [TE] **didregress postestimation**
- triangle kernel function, [G-2] **graph twoway kdensity**, [G-2] **graph twoway lpoly**, [R] **kdensity**, [R] **lpoly**, [R] **npregress kernel**, [R] **greg**, [TE] **tebalance density**, [TE] **teoverlap**
- triangular matrix, [M-5] **solverlower()**, [M-6] **Glossary**
- triangular system, see **recursive model**
- triangularization, requirement, [ERM] **Intro 3**, [ERM] **Triangularize**
- trigamma() function, [FN] **Mathematical functions**, [M-5] **factorial()**
- trigonometric functions, [FN] **Trigonometric functions**, [M-5] **sin()**
- trim-and-fill method, [META] **Intro**, [META] **meta**, [META] **meta trimfill**, [META] **Glossary**
- trimfill, **meta** subcommand, [META] **meta trimfill**
- trunc() function, [FN] **Mathematical functions**, [M-5] **trunc()**
- truncated
- negative
 - binomial regression, [BAYES] **bayes: tnbreg**, [R] **tnbreg**, [SVY] **svy estimation**
 - observations, [BAYES] **bayes: truncreg**, [FMM] **fm: truncreg**, [R] **truncreg**, also see **censored observations**
 - Poisson regression, [BAYES] **bayes: tpoisson**, [FMM] **fm: tpoisson**, [R] **tpoisson**, [SVY] **svy estimation**
 - regression, [BAYES] **bayes: truncreg**, [FMM] **fm: truncreg**, [MI] **Estimation**, [R] **truncreg**, [SVY] **svy estimation**
- truncating
- real numbers, [FN] **Mathematical functions**, [M-5] **trunc()**
 - strings, [FN] **String functions**
- truncation, [ST] **stset**, [ST] **Glossary**, [TE] **Glossary**
- truncreg command, [R] **truncreg**, [R] **truncreg postestimation**
- tsappend command, [TS] **tsappend**
- tscale, **graph twoway** subcommand, [G-2] **graph twoway tsline**
- tscale() option, [G-3] **axis _scale_options**
- tsfill command, [TS] **tsfill**
- tsfilter, [TS] **tsfilter**
- bk** command, [TS] **tsfilter bk**
 - bw** command, [TS] **tsfilter bw**
 - cf** command, [TS] **tsfilter cf**
 - hp** command, [TS] **tsfilter hp**
- tsline command, [TS] **tsline**
- tsline, **graph twoway** subcommand, [G-2] **graph twoway tsline**
- tsnorm macro function, [P] **macro**
- tsreport command, [TS] **tsreport**
- tsrevar command, [TS] **tsrevar**
- tsrline command, [TS] **tsline**
- tsrline, **graph twoway** subcommand, [G-2] **graph twoway tsline**
- tsset command, [TS] **tsset**
- tsset, **mi** subcommand, [MI] **mi XXXset**
- tssmooth, [TS] **tssmooth**
- dexponential** command, [TS] **tssmooth dexponential**
 - exponential** command, [TS] **tssmooth exponential**
 - hwinters** command, [TS] **tssmooth hwinters**
 - ma** command, [TS] **tssmooth ma**
 - nl** command, [TS] **tssmooth nl**
 - shwinters** command, [TS] **tssmooth shwinters**
- tsunab command, [P] **unab**
- ttail() function, [FN] **Statistical functions**, [M-5] **normal()**
- ttest and **ttesti** commands, [R] **ttest**
- ttest command, [MV] **hotelling**
- ttick() option, [G-3] **axis _label_options**
- ttitle() option, [G-3] **axis _title_options**
- Tucker–Lewis index, [SEM] **estat gof**, [SEM] **Methods and formulas for sem**
- tukeyprob() function, [FN] **Statistical functions**, [M-5] **normal()**
- Tukey’s
- multiple-comparison adjustment, see **multiple comparisons**, **Tukey’s method**
 - Studentized range distribution, cumulative, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, [FN] **Statistical functions**, [M-5] **normal()**
- tuning constant, [R] **rreg**
- Turnbull
- survivor** function, [ST] **stintcox PH-assumption plots**
- Turnbull’s innermost intervals, [ST] **stintcox**, [ST] **Glossary**
- tutorials, [U] **1.2.2 Example datasets**
- tw() pseudofunction, [D] **Datetime**, [FN] **Date and time functions**
- twwithin() function, [FN] **Selecting time-span functions**
- Twitter, see **Stata on Twitter**
- twocorrelations, **power** subcommand, [PSS-2] **power twocorrelations**
- two-independent-samples test, [PSS-5] **Glossary**
- two-level model, [ME] **me**, [ME] **Glossary**
- twomeans,
- ciwidth** subcommand, [PSS-3] **ciwidth twomeans**
 - power** subcommand, [PSS-2] **power twomeans**, [PSS-2] **power twomeans, cluster**
- two-parameter logistic model, [IRT] **irt 2pl**, [IRT] **Glossary**

twoproportions, **power** subcommand, [PSS-2] **power twoproportions**, [PSS-2] **power twoproportions, cluster**

two-sample

confidence interval, [PSS-1] **Intro**, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth usermethod**

independent samples, [PSS-3] **ciwidth twomeans means**, [PSS-3] **ciwidth twomeans**,

[PSS-3] **ciwidth pairedmeans**, [PSS-4] **Unbalanced designs**

correlations, see **correlation**, two-sample

means, see **means**, two-sample

paired test, see **paired-sample test**

proportions, see **proportions**, two-sample

standard deviations, see **standard deviations**, two-sample

study, [PSS-2] **power**, [PSS-4] **Unbalanced designs**

test, [PSS-1] **Intro**, [PSS-2] **Intro (power)**,

[PSS-2] **power**, [PSS-2] **power usermethod**, [PSS-5] **Glossary**

correlations, [PSS-2] **power twocorrelations**

dependent samples, [PSS-2] **power mcc**

hazard functions, [PSS-2] **power exponential**, [PSS-2] **power logrank**

independent samples, [PSS-2] **power twomeans**, [PSS-2] **power twoproportions**, [PSS-2] **power twovariances**, [PSS-2] **power twocorrelations**, [PSS-2] **power cmh**, [PSS-2] **power exponential**, [PSS-2] **power logrank**

log hazards, [PSS-2] **power exponential**, [PSS-2] **power logrank**

log-rank, [PSS-2] **power exponential**, [PSS-2] **power logrank**

means, [PSS-2] **power twomeans**, [PSS-2] **power pairedmeans**, [PSS-4] **Unbalanced designs**

proportions, [PSS-2] **power twoproportions**, [PSS-2] **power pairedproportions**, [PSS-2] **power cmh**, [PSS-2] **power mcc**

survivor functions, [PSS-2] **power exponential**, [PSS-2] **power logrank**

variances, [PSS-2] **power twovariances**

variance, see **variance**, two-sample

two-sided

confidence interval, [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

test (power), [PSS-2] **power**, [PSS-2] **power onemean**, [PSS-2] **power onemean, cluster**, [PSS-2] **power twomeans**, [PSS-2] **power twomeans, cluster**, [PSS-2] **power pairedmeans**, [PSS-2] **power oneproportion**, [PSS-2] **power oneproportion, cluster**, [PSS-2] **power twoproportions**, [PSS-2] **power twoproportions, cluster**, [PSS-2] **power pairedproportions**, [PSS-2] **power onevariance**, [PSS-2] **power twovariances**, [PSS-2] **power onecorrelation**,

two-sided test (power), *continued*

[PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power repeated**, [PSS-2] **power oneslope**, [PSS-2] **power cmh**, [PSS-2] **power mcc**, [PSS-2] **power trend**, [PSS-2] **power cox**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-2] **power logrank, cluster**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

two-stage least squares, [R] **ivregress**

generalized spatial, [SP] **spivregress**, [SP] **spregress**

panel data, [XT] **xhtaylor**, [XT] **xtivreg**

with survey data, [SVY] **svy estimation**

two-tailed test, see **two-sided test (power)**

twovariances, **power** subcommand, [PSS-2] **power twovariances**

two-way

analysis of variance, [PSS-2] **power**, [PSS-2] **power twoway**, [PSS-5] **Glossary**, [R] **anova**

graphs, [G-2] **graph twoway**, [G-4] **Glossary**

multivariate analysis of variance, [MV] **manova**

repeated-measures ANOVA, [PSS-2] **power**, [PSS-2] **power repeated**, [PSS-5] **Glossary**, [R] **anova**

twoway, **power** subcommand, [PSS-2] **power twoway**

type, [M-2] **Declarations**, [M-6] **Glossary**

type

command, [D] **type**

macro function, [P] **macro**

parameter, [D] **generate**

type,

set subcommand, [D] **generate**, [R] **set**

ssc subcommand, [R] **ssc**

type, broad, [M-6] **Glossary**

type I error, [PSS-5] **Glossary**, [ST] **Glossary**

type I error probability, see **probability of a type I error**

type I study, [PSS-5] **Glossary**

type II error, [PSS-5] **Glossary**, [ST] **Glossary**

type II error probability, see **probability of a type II error**

type II study, [PSS-5] **Glossary**

typical within-study variance, [META] **Glossary**

U

U statistic, [R] **ranksum**

UCA, see **Unicode collation**

uchar() function, [FN] **String functions**, [M-5] **uchar()**

UCM, see **unobserved-components model**

ucm command, [TS] **ucm**, [TS] **ucm postestimation**

uconv, [D] **unicode convertfile**

udstrlen macro function, [P] **macro**

udstrlen() function, [FN] **String functions**, [M-5] **udstrlen()**

udsubstr() function, [FN] **String functions**, [M-5] **udsubstr()**

uisdigit() function, [FN] **String functions**

`uisletter()` function, [FN] **String functions**

`unab` command, [P] **unab**

abbreviate

command names, [P] **unabcmd**

variable list, [P] **syntax**, [P] **unab**

`unabcmd` command, [P] **unabcmd**

`unaddgroup`, `ssd` subcommand, [SEM] **ssd**

`.uname` built-in class function, [P] **class**

unary operator, [M-6] **Glossary**, [U] **11.4.3.1 Factor-variable operators**, [U] **14.7 Matrix operators**

unbalanced, [CM] **Glossary**

data, [ERM] **Glossary**, [XT] **Glossary**

design, [PSS-2] **power twomeans**, [PSS-2] **power twoproportions**, [PSS-2] **power twovariances**, [PSS-2] **power twocorrelations**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [PSS-2] **power repeated**, [PSS-2] **power cmh**, [PSS-2] **power trend**, [PSS-2] **power exponential**, [PSS-2] **power logrank**, [PSS-3] **ciwidth**, [PSS-3] **ciwidth twomeans**, [PSS-4] **Unbalanced designs**, [PSS-5] **Glossary**

uncensored, [ST] **Glossary**

uncompress files, [D] **zipfile**

unconfoundedness, see **conditional-independence assumption**

under observation, [ST] **cttost**, [ST] **st**, [ST] **stset**, [ST] **Glossary**

underlining in syntax diagram, [U] **11 Language syntax**

underscore functions, [M-1] **Naming**, [M-6] **Glossary**

underscore variables, [U] **13.4 System variables** (**_variables**)

unequal-allocation design, see **unbalanced design**

`unhold`, `_estimates` subcommand, [P] **_estimates**

Unicode, [D] **unicode**, [D] **Glossary**, [P] **Glossary**, [U] **12.4.2 Handling Unicode strings**, [U] **Glossary**

character, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**

collation, [D] **unicode collator**, [FN] **String functions**, [M-5] **ustrcompare()**,

[U] **12.4.2.5 Sorting strings containing Unicode characters**

encoding conversion, [D] **unicode convertfile**, [D] **unicode translate**

encodings, [D] **unicode encoding**, [U] **12.4.2.3 Encodings**

functions, [U] **12.4.2.1 Unicode string functions**

locales, [D] **unicode locale**, [P] **set locale_functions**, [P] **set locale_ui**, [U] **12.4.2.4 Locales in Unicode**

normalization, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**, also see **ustrnormalize()** function

strings, [FN] **String functions**, [M-4] **String**, [U] **12.4.2 Handling Unicode strings**

title-cased string, [D] **Glossary**, [P] **Glossary**, [U] **Glossary**, also see **ustrtitle()** function

unicode

`analyze` command, [D] **unicode translate**

`collator list` command, [D] **unicode collator** command, [D] **unicode**

`convertfile` command, [D] **unicode convertfile** encoding alias command, [D] **unicode encoding** encoding list command, [D] **unicode encoding** encoding set command, [D] **unicode encoding**, [D] **unicode translate**

`erasebackups` command, [D] **unicode translate** locale list command, [D] **unicode locale** restore command, [D] **unicode translate** retranslate command, [D] **unicode translate** translate command, [D] **unicode translate** uipackage list command, [D] **unicode locale**

`unicode`, query subcommand, [R] **query**

unidimensionality, [IRT] **Glossary**

uniform accrual, [PSS-2] **power exponential**, [PSS-2] **power logrank**

uniform prior, [BAYES] **Bayesian commands**, [BAYES] **bayes**, [BAYES] **bayesmh**, [MI] **mi impute mvn**

uniformly distributed random numbers, [FN] **Random-number functions**, [M-5] **runiform()**, [R] **set seed**

`uninstall`,

`net` subcommand, [R] **net**

`ssc` subcommand, [R] **ssc**

`uniqrows()` function, [M-5] **uniqrows()**

unique options, [G-4] **Concept: repeated options**, [G-4] **Glossary**

unique value labels, [D] **labelbook**

unique values,

counting, [D] **codebook**, [R] **tabulate oneway** determining, [D] **inspect**, [D] **labelbook**

uniqueness, [MV] **factor**, [MV] **factor postestimation**, [MV] **rotate**, [MV] **Glossary**

unit loading, [SEM] **Intro 4**

unit vectors, [M-5] **e()**

unitary matrix, [M-6] **Glossary**

`unitcircle()` function, [M-5] **unitcircle()**

unit-root

models, [TS] **vec intro**, [TS] **vec**

process, [TS] **Glossary**

test, [TS] **dfgls**, [TS] **dfuller**, [TS] **pperron**, [TS] **Glossary**, [XT] **xtunitroot**

univariate

distributions, displaying, [R] **cumul**, [R] **Diagnostic plots**, [R] **histogram**, [R] **ladder**, [R] **lv**, [R] **stem**

imputation, see **imputation**, **univariate**

kernel density estimation, [R] **kdensity**

time series

estimators, [TS] **arch**, [TS] **arfima**, [TS] **arma**, [TS] **mswitch**, [TS] **newey**, [TS] **prais**, [TS] **threshold**, [TS] **ucm**

filters, see **filters**

- univariate time series, *continued*
 - graph, autocorrelations, [TS] **corrgram**
 - graph, cumulative spectral distribution, [TS] **cumsp**
 - graph, parametric autocorrelation and autocovariance, [TS] **estat acplot**
 - graph, periodogram, [TS] **pergram**
 - parametric spectral density, [TS] **psdensity**
 - smoothers, see **smoothers**
 - test after **regress**, [R] **regress postestimation time series**
 - test for parameter stability, [TS] **estat sbcsum**
 - test for structural break, [TS] **estat sbknown**, [TS] **estat sbsingle**
 - test for unit roots, see **unit-root test**
 - test for white noise, [TS] **wntestb**, [TS] **wntestq**
 - Unix,
 - keyboard use, [U] **10 Keyboard use**
 - pause, [P] **sleep**
 - specifying filenames, [U] **11.6 Filenaming conventions**
 - _unlink()** function, [M-5] **unlink()**
 - unlink()** function, [M-5] **unlink()**
 - unobserved-components model, [TS] **psdensity**
 - model, [TS] **ucm**
 - postestimation, [TS] **ucm postestimation**
 - unorder()** function, [M-5] **sort()**
 - unregister, mi** subcommand, [MI] **mi set**
 - unregistered variables, see **variables, multiple-imputation unregistered**
 - unrestricted FMI test, [MI] **mi estimate**, [MI] **mi test**, [MI] **Glossary**
 - unrestricted transformation, [MV] **procrustes postestimation**, [MV] **Glossary**
 - unstandardized coefficient, [SEM] **Glossary**
 - unstructured (correlation or covariance), [SEM] **Glossary**
 - unzipfile** command, [D] **zipfile**, [SP] **Intro 4**
 - update**
 - all command, [R] **update**
 - command, [R] **update**
 - from command, [R] **update**
 - query command, [R] **update**
 - update,**
 - ado subcommand, [R] **ado update**, [R] **net**
 - meta subcommand, [META] **meta update**
 - mi subcommand, [MI] **mi update**, [MI] **noupdate option**
 - query subcommand, [R] **query**
 - view subcommand, [R] **view**
 - update_d,** view subcommand, [R] **view**
 - update_interval,** set subcommand, [R] **set**, [R] **update**
 - update_prompt,** set subcommand, [R] **set**, [R] **update**
 - update_query,** set subcommand, [R] **set**, [R] **update**
 - updates to Stata, [R] **ado update**, [R] **net**, [R] **sj**, [R] **update**, [U] **3.4 The Stata Journal**, [U] **3.5 Updating and adding features from the web**, [U] **17.6 How do I install an addition?**, [U] **29 Using the Internet to keep up to date**
 - upper**
 - one-sided
 - confidence interval, [PSS-3] **ciwidth**, [PSS-3] **ciwidth onemean**, [PSS-3] **ciwidth twomeans**, [PSS-3] **ciwidth pairedmeans**, [PSS-3] **ciwidth onevariance**, [PSS-5] **Glossary**
 - test, [PSS-5] **Glossary**
 - one-tailed test, [PSS-5] **Glossary**
 - uppercase-string functions, [FN] **String functions**, [M-5] **strupper()**, [M-5] **ustrupper()**, also see **titlecase**
 - _uppertriangle()** function, [M-5] **lowertriangle()**
 - uppertriangle()** function, [M-5] **lowertriangle()**
 - upper-triangular matrix, see **triangular matrix**
 - urldecode()** function, [M-5] **urlencode()**
 - urlencode()** function, [M-5] **urlencode()**
 - use,**
 - cluster subcommand, [MV] **cluster utility**
 - collect subcommand, [TABLES] **collect use**
 - estimates subcommand, [LASSO] **estimates store**, [R] **estimates save**
 - graph subcommand, [G-2] **graph use**
 - rserset subcommand, [P] **rserset**
 - spmatrix subcommand, [SP] **spmatrix use**
 - use command**, [D] **use**
 - use data**, [D] **sysuse**, [D] **use**, [D] **webuse**, [P] **syntax**, also see **import data**
 - use graphs**, [G-2] **graph use**
 - uselabel** command, [D] **labelbook**
 - user interface**, [P] **Dialog programming**
 - language, [D] **unicode locale**
 - localization package, [D] **unicode locale**
 - user version**, [P] **version**
 - user-defined matrix**, see **spatial weighting matrix**
 - userdefined,** spmatrix subcommand, [SP] **spmatrix userdefined**
 - user-written additions**, see **community-contributed additions**
- using,**
- cmdlog subcommand, [R] **log**
 - log subcommand, [R] **log**
- ustrcompare()** function, [FN] **String functions**, [M-5] **ustrcompare()**
- ustrcompareex()** function, [FN] **String functions**, [M-5] **ustrcompare()**
- ustrfix()** function, [FN] **String functions**, [M-5] **ustrfix()**
- ustrfrom()** function, [FN] **String functions**, [M-5] **ustrto()**
- ustrinvalident()** function, [FN] **String functions**, [M-5] **ustrlen()**
- ustrleft()** function, [FN] **String functions**

strlen macro function, [P] **macro**
 strlen() function, [FN] **String functions**,
 [M-5] **strlen()**
 strtolower() function, [FN] **String functions**,
 [M-5] **ustrupper()**
 strltrim() function, [FN] **String functions**,
 [M-5] **ustrtrim()**
 strnormalize() function, [FN] **String functions**,
 [M-5] **strnormalize()**
 strpos() function, [FN] **String functions**,
 [M-5] **strpos()**
 strregexm() function, [FN] **String functions**
 strregextra() function, [FN] **String functions**
 strregexrf() function, [FN] **String functions**
 strregexs() function, [FN] **String functions**
 strreverse() function, [FN] **String functions**,
 [M-5] **strreverse()**
 strright() function, [FN] **String functions**
 strstrpos() function, [FN] **String functions**,
 [M-5] **strpos()**
 strrrtrim() function, [FN] **String functions**,
 [M-5] **ustrtrim()**
 strsortkey() function, [FN] **String functions**,
 [M-5] **strcompare()**
 strsortkeyex() function, [FN] **String functions**,
 [M-5] **strcompare()**
 strsplit() function, [M-5] **ustrsplit()**
 strttitle() function, [FN] **String functions**,
 [M-5] **ustrupper()**
 strtto() function, [FN] **String functions**,
 [M-5] **ustrto()**
 strttohex() function, [FN] **String functions**,
 [M-5] **ustrunescape()**
 strttoname() function, [FN] **String functions**,
 [M-5] **ustrtoname()**
 ustrtrim() function, [FN] **String functions**,
 [M-5] **ustrtrim()**
 ustrunescape() function, [FN] **String functions**,
 [M-5] **ustrunescape()**
 ustrupper() function, [FN] **String functions**,
 [M-5] **ustrupper()**
 ustrword() function, [FN] **String functions**,
 [M-5] **ustrword()**
 ustrwordcount() function, [FN] **String functions**,
 [M-5] **ustrword()**
 usubinstr() function, [FN] **String functions**,
 [M-5] **usubinstr()**
 _usubstr() function, [M-5] **_usubstr()**
 usubstr() function, [FN] **String functions**,
 [M-5] **usubstr()**
 UTF-8, [D] **unicode**, [D] **unicode encoding**,
 [D] **unicode translate**, [D] **Glossary**,
 [M-6] **Glossary**, [P] **Glossary**, [U] **Glossary**
 encoding conversion, [D] **unicode convertfile**,
 [D] **unicode translate**
 utilities for cluster, programming, [MV] **cluster utility**
 utility, [CM] **Glossary**
 utility routines for MI, [MI] **Technical**

V

vague prior, see **noninformative prior**
 valid initial state, see **Bayesian estimation initial values**,
 feasible
 valofexternal() function, [M-5] **valofexternal()**
 value label macro function, [P] **macro**
 value labels, [D] **Glossary**, [U] **12.6.3 Value labels**,
 [U] **13.11 Label values**, [U] **Glossary**
 dataset of, [D] **labelbook**
 defining and changing, [D] **edit**, [D] **label**,
 [D] **varmanage**
 describing, [D] **codebook**, [D] **describe**, [D] **label**,
 [D] **labelbook**
 encoding, [D] **encode**
 in different languages, [D] **label language**,
 [U] **12.6.4 Labels in other languages**
 potential problems in, [D] **codebook**, [D] **inspect**,
 [D] **labelbook**
 programming, [M-5] **st_varformat()**,
 [M-5] **st_vlexists()**, [P] **macro**
 values, label subcommand, [D] **label**
 Vandermonde() function, [M-5] **Vandermonde()**
 vanishing adaptation, see **diminishing adaptation**
 VAR, see **vector autoregressive model**, see **vector**
 autoregressive
 var command, [TS] **var**, [TS] **var postestimation**
 varabbrev command, [P] **varabbrev**
 varabbrev, set subcommand, [R] **set**
 varbasic command, [TS] **varbasic**, [TS] **varbasic**
 postestimation
 vargranger command, [TS] **vargranger**
 variable (in Mata)
 declarations, [M-2] **Declarations**
 labels, programming, [M-5] **st_varformat()**
 types, programming, [M-2] **Declarations**
 variable (in Stata), see **variables**
 abbreviation, [P] **varabbrev**
 description, [D] **describe**
 identifying choice model data, [CM] **cmset**
 identifying panels, [CM] **cmset**, [XT] **xtset**
 labels, [D] **Glossary**, [U] **11.4 varname and**
 varlists, [U] **12.6.2 Variable labels**, [U] **Glossary**
 defining and changing, [D] **edit**, [D] **label**,
 [D] **varmanage**
 describing, [D] **codebook**, [D] **describe**,
 [D] **label**, [D] **notes**
 in different languages, [D] **label language**,
 [U] **12.6.4 Labels in other languages**
 programming, [P] **macro**
 lists, see **varlist**
 selection, see **covariate selection**
 types,
 changing, [D] **compress**, [D] **recast**,
 [D] **varmanage**
 definition of, [D] **Data types**, [SEM] **Intro 4**,
 [U] **12.2.2 Numeric storage types**,
 [U] **12.4 Strings**

variable (in Stata) types, *continued*

displaying, [D] **codebook**, [D] **describe**, [D] **ds**
programming, [P] **class**, [P] **macro**

variable label macro function, [P] **macro**

variable, confirm subcommand, [P] **confirm**

variable, label subcommand, [D] **label**

variable-naming convention, [M-1] **Naming**

_variables, [U] **11.3 Naming conventions**,
[U] **13.4 System variables (_variables)**

variables of interest, see *covariates of interest*
variables,

alphabetizing, [D] **order**

observations, [D] **gsort**, [D] **sort**

categorical, see *categorical data*, *agreement*,
measures for, see *categorical data*

changing storage types of, [D] **compress**, [D] **recast**,
[D] **varmanage**

characteristics of, [M-6] **Glossary**, [P] **char**,
[P] **macro**, [U] **12.8 Characteristics**

comparing, [D] **compare**

copying, see *variables, creating, by duplication*

creating, [D] **edit**, [D] **egen**, [D] **generate**

by duplication, [D] **clonevar**

by separating, [D] **separate**

numeric from string, [D] **destring**, [D] **encode**

string from numeric, [D] **destring**, [D] **encode**

date, see *date variables*

describing, [D] **codebook**, [D] **describe**, [D] **ds**,
[D] **notes**

determining storage types of, [D] **describe**

displaying contents of, [D] **edit**, [D] **list**

documenting, [D] **codebook**, [D] **labelbook**,
[D] **notes**

dropping, [D] **drop**, [M-5] **st_dropvar()**

dummy, see *indicator variables*, see *indicators*

duplicating, see *variables, creating, by duplication*

factor, see *factor variables*

filtering, [D] **varmanage**

finding, [D] **ds**, [D] **lookfor**

generating, see *variables, creating*

from cluster analysis, [MV] **cluster generate**

histories in survival data, [ST] **stgen**

in dataset, maximum number of, [D] **memory**,
[U] **6 Managing memory**

indices of, [M-5] **st_viewvars()**

interchange contents, [M-5] **swap()**

labeling, see *variable (in Stata) labels*

list values of (for programming), [M-5] **st_data()**,
[P] **levelsof**

listing, [D] **codebook**, [D] **describe**, [D] **edit**,
[D] **labelbook**, [D] **list**

mapping numeric to string, [D] **destring**

mapping string to numeric, [D] **destring**

variables, *continued*

multiple-imputation

imputed, [MI] **Intro**, [MI] **mi rename**, [MI] **mi**
reset, [MI] **mi set**, [MI] **Glossary**

passive, [MI] **mi impute**, [MI] **mi passive**,
[MI] **mi rename**, [MI] **mi reset**, [MI] **mi set**,
[MI] **mi xeq**, [MI] **Glossary**

registered, [MI] **mi rename**, [MI] **mi set**,
[MI] **Glossary**

regular, [MI] **mi rename**, [MI] **mi set**,
[MI] **Glossary**

renaming, [MI] **mi rename**, [MI] **mi reset**,
[MI] **mi set**

unregistered, [MI] **mi rename**, [MI] **mi set**,
[MI] **Glossary**

varying and super varying, [MI] **mi passive**,
[MI] **mi predict**, [MI] **mi set**, [MI] **mi**
varying, [MI] **Glossary**

naming, [D] **rename**, [M-1] **Naming**,
[U] **11.2 Abbreviation rules**, [U] **11.3 Naming**
conventions

naming groups of, [D] **rename group**

number of, [M-5] **st_nvar()**, also see *variables*,
describing

ordering, see *variables, alphabetizing*

orthogonalize, [R] **orthog**

put into Mata and vice versa, [D] **putmata**

renaming, see *rename variables*

reordering, see *variables, alphabetizing*

setting properties of, [D] **varmanage**

sorting, [D] **gsort**, [D] **sort**, [D] **varmanage**

standardizing, [D] **egen**

storage types, see *storage types*

string, see *string variables*

system, see *system variables*

tab expansion of, [U] **10.6 Tab expansion of**
variable names

temporary, [M-5] **st_tempname()**, [P] **macro**
time-series programming utilities,

[M-5] **st_tsrevar()**, [TS] **tsrevar**

transposing with observations, [D] **xpose**

unabbreviating, [P] **syntax**, [P] **unab**

unique values, [D] **codebook**, [D] **duplicates**,
[D] **inspect**

Variables Manager, [D] **varmanage**, [U] **12.9 Data**
Editor and Variables Manager

variance, [PSS-2] **power**, [PSS-2] **power oneway**,
[PSS-3] **ciwidth**, [PSS-3] **ciwidth oneway**

analysis of, [MV] **manova**, [PSS-2] **power**,
[PSS-2] **power oneway**, [PSS-2] **power**
twoway, [PSS-2] **power repeated**, [R] **anova**,
[R] **loneway**, [R] **oneway**, [SEM] **Intro 4**

components, [ME] **Glossary**, [SEM] **estat sd**, also
see *mixed model*

confidence intervals for, [R] **ci**

control-group, [PSS-2] **power twovariances**

variance, *continued*

creating dataset of, [D] **collapse**
 creating variable containing, [D] **egen**
 decompositions, see **forecast-error variance decomposition**
 displaying, [CM] **cmsummarize**, [R] **summarize**,
 [R] **table summary**, [R] **table**, [R] **tabstat**,
 [XT] **xtsum**
 estimation, [SVY] **Variance estimation**,
 [SVY] **Glossary**
 estimators, [R] **vce_option**, [XT] **vce_options**
 experimental-group, [PSS-2] **power twovariances**
 HAC, see **HAC variance estimate**
 Huber/White/sandwich estimator, see **robust**,
 Huber/White/sandwich estimator of variance
 independent, see **variance, two-sample**
 inflation factors, [R] **regress postestimation**
 linearized, [SVY] **Variance estimation**
 nonconstant, see **robust**, Huber/White/sandwich
 estimator of variance
 one-sample, [PSS-2] **power onevariance**,
 [PSS-3] **ciwidth onevariance**
 posterior, [BAYES] **Intro**, [BAYES] **Bayesian**
commands, [BAYES] **bayesmh**,
 [BAYES] **bayesstats summary**
 stabilization transformations, [R] **boxcox**
 testing equality of, [R] **sdtest**
 two-sample, [PSS-2] **power twovariances**

variance-covariance matrix of estimators, [P] **ereturn**,
 [P] **matrix get**, [R] **correlate**, [R] **estat**, [R] **estat**
vce, [SEM] **Glossary**, [U] **20.10 Obtaining the**
variance-covariance matrix

variance() function, [M-5] **mean()**
variance-comparison test, [MV] **mvtest covariances**,
 [R] **sdtest**

variances,
 ci subcommand, [R] **ci**
 cii subcommand, [R] **cii**

variance-weighted least squares, [R] **vwls**

varimax rotation, [MV] **rotate**, [MV] **rotatemat**,
 [MV] **Glossary**

varkeyboard, set subcommand, [R] **set**

varlist, [D] **vl**, [D] **vl create**, [D] **vl drop**, [D] **vl**
list, [D] **vl rebuild**, [D] **vl set**, [D] **Glossary**,
 [P] **syntax**, [U] **11 Language syntax**,
 [U] **11.4 varname and varlists**, [U] **Glossary**
 existing, [U] **11.4.1 Lists of existing variables**
 new, [U] **11.4.2 Lists of new variables**
 time series, [U] **11.4.4 Time-series varlists**

varlmar command, [TS] **varlmar**

varmanage command, [D] **varmanage**

varnorm command, [TS] **varnorm**

varsoc command, [TS] **varsoc**

varstable command, [BAYES] **bayesvarstable**,
 [TS] **varstable**

varwle command, [TS] **varwle**

varying

conditional-correlation model, [TS] **mgarch**,
 [TS] **mgarch vce**
 estimation sample, [MI] **mi estimate**
 variables, [ST] **stvary**, also see **variables, multiple-**
imputation varying and super varying

varying, mi subcommand, [MI] **mi varying**

vcc, mgarch subcommand, [TS] **mgarch vce**

VCE, see **variance-covariance matrix of estimators**

vce, estat subcommand, [R] **estat**, [R] **estat vce**,
 [SVY] **estat**

vce() option, [R] **vce_option**, [XT] **vce_options**

VEC, see **vector error-correction model**

vec command, [TS] **vec**, [TS] **vec postestimation**

vec() function, [FN] **Matrix functions**, [M-5] **vec()**,
 [P] **matrix define**

vecaccum, matrix subcommand, [P] **matrix accum**

vecdiag() function, [FN] **Matrix functions**,
 [P] **matrix define**

vech() function, [FN] **Matrix functions**, [M-5] **vec()**,
 [P] **matrix define**

veclmar command, [TS] **veclmar**

VECM, see **vector error-correction model**

vecnorm command, [TS] **vecnorm**

vecp() function, [FN] **Matrix functions**, [P] **matrix**
define

vecrank command, [TS] **vecrank**

vecstable command, [TS] **vecstable**

vector, [M-2] **Declarations**, [M-6] **Glossary**

vector autoregressive
 forecast, [BAYES] **bayesfcst graph**, [TS] **fcst**
compute, [TS] **fcst graph**
 model, [TS] **dfactor**, [TS] **sspace**, [TS] **ucm**,
 [TS] **var intro**, [TS] **var**, [TS] **var svar**,
 [TS] **varbasic**, [TS] **Glossary**
 Bayesian, [BAYES] **bayes: var**
 moving-average model, [TS] **dfactor**, [TS] **sspace**,
 [TS] **ucm**
 postestimation, [BAYES] **bayes: var postestimation**,
 [BAYES] **bayesvarstable**, [BAYES] **bayesfcst**
graph, [BAYES] **bayesirf**, [TS] **fcst compute**,
 [TS] **fcst graph**, [TS] **irf**, [TS] **irf create**,
 [TS] **var postestimation**, [TS] **vargranger**,
 [TS] **varlmar**, [TS] **varnorm**, [TS] **varsoc**,
 [TS] **varstable**, [TS] **varwle**

vector error-correction
 model, [TS] **vec intro**, [TS] **vec**, [TS] **Glossary**, also
 see **multivariate GARCH model**
 postestimation, [BAYES] **bayesirf**, [TS] **fcst**
compute, [TS] **fcst graph**, [TS] **irf**, [TS] **irf**
create, [TS] **varsoc**, [TS] **vec postestimation**,
 [TS] **veclmar**, [TS] **vecnorm**, [TS] **vecrank**,
 [TS] **vecstable**

vector image format, see **image format**

vector norm, [M-5] **norm()**

vectors, see **matrices (via Stata commands)**

verify data, [D] **assert**, [D] **assertnested**, [D] **count**,
 [D] **datasignature**, [D] **inspect**, also see **certify**
data

verify mi data are consistent, [MI] [mi update](#)

version

control, [M-2] [version](#), [M-5] [callersversion\(\)](#), also

see [version](#) command

version of ado-file, [R] [which](#)

of Stata, [M-5] [stataversion\(\)](#), [R] [about](#)

[version](#), [M-2] [version](#)

version command, [P] [version](#), [P] [Glossary](#),

[U] [16.1.1 Version](#), [U] [18.11.1 Version](#)

class programming, [P] [class](#)

vertex, [SP] [spmatrix create](#), [SP] [Glossary](#)

vertical alignment of text, [G-4] [alignmentstyle](#)

videos, see [Stata YouTube Channel](#)

view

ado command, [R] [view](#)

ado_d command, [R] [view](#)

browse command, [R] [view](#)

command, [R] [view](#)

help command, [R] [view](#)

help_d command, [R] [view](#)

net command, [R] [view](#)

net_d command, [R] [view](#)

search command, [R] [view](#)

search_d command, [R] [view](#)

update command, [R] [view](#)

update_d command, [R] [view](#)

view_d command, [R] [view](#)

view_d, view subcommand, [R] [view](#)

view matrix, [M-5] [isview\(\)](#), [M-5] [st_subview\(\)](#),

[M-5] [st_view\(\)](#), [M-5] [st_viewvars\(\)](#),

[M-6] [Glossary](#)

view previously typed lines, [R] [#review](#)

view source code, [P] [viewsource](#)

viewsource, [M-1] [Source](#)

viewsource command, [P] [viewsource](#)

vif, estat subcommand, [R] [regress postestimation](#)

vignette, [U] [1.2.7 Vignette](#)

virtual, [M-2] [class](#)

virtual memory, [D] [memory](#)

vl

clear command, [D] [vl drop](#)

command, [D] [vl](#)

create command, [D] [vl create](#)

dir command, [D] [vl list](#)

drop command, [D] [vl drop](#)

label command, [D] [vl create](#)

list command, [D] [vl list](#)

modify command, [D] [vl create](#)

substitute command, [D] [vl create](#)

vl move command, [D] [vl set](#)

vl rebuild command, [D] [vl rebuild](#)

vl set command, [D] [vl set](#)

void

function, [M-2] [Declarations](#), [M-6] [Glossary](#)

matrix, [M-2] [void](#), [M-6] [Glossary](#)

vwls command, [R] [vwls](#), [R] [vwls postestimation](#)

W

W matrix, see [spatial weighting matrix](#)

Wald test, [DSGE] [Intro 8](#), [DSGE] [Glossary](#),

[PSS-5] [Glossary](#), [R] [contrast](#), [R] [predictnl](#),

[R] [test](#), [R] [testnl](#), [SEM] [Intro 7](#),

[SEM] [estat eqtest](#), [SEM] [estat ginvariant](#),

[SEM] [Example 13](#), [SEM] [Example 22](#),

[SEM] [Methods and formulas for sem](#),

[SEM] [test](#), [SEM] [testnl](#), [SEM] [Glossary](#),

[SVY] [svy postestimation](#), [TS] [vargranger](#),

[TS] [varwle](#), [U] [20.13 Performing hypothesis](#)

[tests on the coefficients](#), [U] [20.13.4 Nonlinear](#)

[Wald tests](#)

wardslinkage,

clustermat subcommand, [MV] [cluster linkage](#)

cluster subcommand, [MV] [cluster linkage](#)

Ward's linkage clustering, [MV] [cluster](#),

[MV] [clustermat](#), [MV] [cluster linkage](#),

[MV] [Glossary](#)

Ward's method clustering, [MV] [cluster](#),

[MV] [clustermat](#)

warning messages, [M-2] [pragma](#)

waveralinkage,

clustermat subcommand, [MV] [cluster linkage](#)

cluster subcommand, [MV] [cluster linkage](#)

wcorrelation, estat subcommand, [ME] [estat](#)

[wcorrelation](#), [ME] [mixed postestimation](#),

[XT] [xtgee postestimation](#)

weak instrument test, [R] [ivregress postestimation](#)

weakly balanced, [ERM] [Glossary](#), [XT] [Glossary](#)

weakly stationary, [DSGE] [Intro 1](#), [DSGE] [Glossary](#),

also see [covariance stationary](#)

webinar, see [Stata webinar](#)

website,

stata.com, [U] [3.2.1 The Stata website](#)

([www.stata.com](#))

stata-journal.com, [U] [3.4 The Stata Journal](#)

stata-press.com, [U] [3.3 Stata Press](#)

webuse

command, [D] [webuse](#)

query command, [D] [webuse](#)

set command, [D] [webuse](#)

week() function, [D] [Datetime](#), [FN] [Date and time](#)

[functions](#), [M-5] [date\(\)](#)

weekly() function, [D] [Datetime](#), [D] [Datetime](#)

[conversion](#), [FN] [Date and time functions](#),

[M-5] [date\(\)](#)

Weibull

density,

generalized, [FN] [Statistical functions](#),

[M-5] [normal\(\)](#)

standard, [FN] [Statistical functions](#),

[M-5] [normal\(\)](#)

Weibull, *continued*

- distribution, [FMM] **fmm: streg**,
[FMM] **Example 4**, [ST] **stintreg**, [ST] **streg**
- cumulative, generalized, [FN] **Statistical functions**, [M-5] **normal()**
- cumulative, standard, [FN] **Statistical functions**, [M-5] **normal()**
- inverse cumulative, generalized, [FN] **Statistical functions**, [M-5] **normal()**
- inverse cumulative, standard, [FN] **Statistical functions**, [M-5] **normal()**
- proportional hazards, see Weibull proportional hazards
- survival regression, [BAYES] **bayes: streg**,
[FMM] **fmm**, [FMM] **fmm: streg**,
[FMM] **Example 4**, [SEM] **Example 49g**,
[ST] **stintreg**, [ST] **streg**
- weibull()** function, [FN] **Statistical functions**, [M-5] **normal()**
- Weibull proportional hazards
 - density,
 - generalized, [FN] **Statistical functions**, [M-5] **normal()**
 - standard, [FN] **Statistical functions**, [M-5] **normal()**
 - distribution,
 - cumulative, generalized, [FN] **Statistical functions**, [M-5] **normal()**
 - cumulative, standard, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, generalized, [FN] **Statistical functions**, [M-5] **normal()**
 - inverse cumulative, standard, [FN] **Statistical functions**, [M-5] **normal()**
- weibulldn()** function, [FN] **Statistical functions**, [M-5] **normal()**
- weibullph()** function, [FN] **Statistical functions**, [M-5] **normal()**
- weibullphden()** function, [FN] **Statistical functions**, [M-5] **normal()**
- weibullphtail()** function, [M-5] **normal()**
- weibulltail()** function, [FN] **Statistical functions**, [M-5] **normal()**
- weight**, [P] **syntax**
- [**weight=exp**] modifier, [U] **11.1.6 weight**, [U] **20.24 Weighted estimation**
- weighted data, [U] **11.1.6 weight**, [U] **20.24 Weighted estimation**, also see survey data
- weighted least squares, [R] **regress**, [SEM] **Methods and formulas for sem**, [SEM] **Glossary**
- generalized linear models, [R] **binreg**, [R] **glm**
- generalized method of moments estimation, [R] **gmm**, [R] **ivpoisson**
- instrumental-variables regression, [R] **gmm**, [R] **ivregress**
- nonlinear least-squares estimation, [R] **nl**
- nonlinear systems of equations, [R] **nlshr**
- variance, [R] **vwls**
- weighted moving average, [TS] **tssmooth**, [TS] **tssmooth ma**
- weighted-average linkage clustering, [MV] **cluster**, [MV] **clustermat**, [MV] **cluster linkage**, [MV] **Glossary**
- weighted-regression-adjustment estimator, [TE] **stteffects wra**, [TE] **Glossary**
- weighting matrix, see spatial weighting matrix
- weights, [G-2] **graph twoway scatter**
 - probability, [SVY] **Survey**, [SVY] **svydescribe**, [SVY] **svyset**
 - sampling, [SVY] **Survey**, [SVY] **svydescribe**, [SVY] **svyset**
- Welsh distance, [R] **regress postestimation**
- Westerlund test, [XT] **xtcointtest**
- westerlund**, **xtcointtest** subcommand, [XT] **xtcointtest**
- which command, [R] **which**, [U] **17.3 How can I tell if a command is built in or an ado-file?**
- which,
 - classutil** subcommand, [P] **classutil**
 - mata** subcommand, [M-3] **mata which**
 - python** subcommand, [P] **PyStata integration**
- which, class, [P] **classutil**
- while, [M-2] **while**, [M-2] **continue**, [M-2] **break**, [M-2] **Semicolons**
- while command, [P] **while**
- white noise, [DSGE] **Glossary**, [TS] **wntestb**, [TS] **wntestq**, [TS] **Glossary**, [XT] **Glossary**
- White statistic, [META] **estat heterogeneity**
- White/Huber/sandwich estimator of variance, see robust, Huber/White/sandwich estimator of variance
- White's test for heteroskedasticity, [R] **regress postestimation**
- wide,
 - mi import** subcommand, [MI] **mi import**, [MI] **mi import wide**
 - reshape** subcommand, [D] **reshape**
- wide data format, [D] **Glossary**
- conversion to long, [D] **reshape**
- wide MI data style, [MI] **Styles**, [MI] **Glossary**
- technical description, [MI] **Technical**
- width of **%fmt**, [M-5] **fmtwidth()**
- Wilcoxon
 - rank-sum test, [R] **ranksum**
 - signed-rank test, [R] **signrank**
 - test (Wilcoxon–Breslow, Wilcoxon–Gehan, Wilcoxon–Mann–Whitney), [ST] **sts test**
- wildcard, see **regexm()** function, see **regexpr()** function, see **regexs()** function, see **strmatch()** function
- Wilks's
 - lambda**, [MV] **canon**, [MV] **manova**, [MV] **mvtest means**, [MV] **Glossary**
 - likelihood-ratio test, [MV] **canon**, [MV] **manova**, [MV] **mvtest means**

window

- fopen command, [P] [window programming](#),
[P] [window fopen](#)
- fsave command, [P] [window programming](#)
- manage command, [P] [window programming](#),
[P] [window manage](#)
- menu command, [P] [window programming](#),
[P] [window menu](#)
- push command, [P] [window programming](#),
[P] [window push](#)
- stopbox command, [P] [window programming](#),
[P] [window stopbox](#)

Windows

- filenames, [U] [18.3.11 Constructing Windows filenames by using macros](#)
- keyboard use, [U] [10 Keyboard use](#)
- metafiles programming, [P] [Automation](#)
- pause, [P] [sleep](#)
- programming, [P] [Automation](#)
- specifying filenames, [U] [11.6 Filenaming conventions](#)
- winexec command, [D] [shell](#)
- Wishart distribution, [MV] [Glossary](#)
- density, [FN] [Statistical functions](#), [M-5] [normal\(\)](#)
- prior, [BAYES] [bayesmh](#), [BAYES] [bayesmh evaluators](#)
- withdrawal, [PSS-2] [power exponential](#), [PSS-2] [power logrank](#), [PSS-5] [Glossary](#)
- within estimators, [XT] [xthtaylor](#), [XT] [xtivreg](#), [XT] [xtreg](#), [XT] [xtregar](#), [XT] [Glossary](#)
- within matrix, [MV] [Glossary](#)
- within-cell
 - means and variances, [XT] [xtsum](#)
 - variance, [PSS-2] [power twoway](#)
- within-group error, [ME] [Glossary](#)
- within-group variance, [PSS-2] [power oneway](#)
- within-imputation variability, [MI] [mi estimate](#), [MI] [mi predict](#)
- within-study covariance, [META] [Intro](#), [META] [meta mvregress](#), [META] [Glossary](#)
- within-subject
 - design, [PSS-2] [power repeated](#), [PSS-5] [Glossary](#)
 - factor, [PSS-2] [power repeated](#), [PSS-5] [Glossary](#)
 - variance, [PSS-2] [power repeated](#)
- WLF, see [worst linear function](#)
- WLS, see [weighted least squares](#)
- wntestb command, [TS] [wntestb](#)
- wntestq command, [TS] [wntestq](#)
- wofd() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
- Woelf confidence intervals, [R] [Epitab](#)
- word macro function, [P] [macro](#)
- word() function, [FN] [String functions](#)
- Word, Microsoft, see [Microsoft Word](#)
- wordbreaklocale() function, [FN] [String functions](#)
- wordcount() function, [FN] [String functions](#)
- workflow, [MI] [Workflow](#)

- worst linear function, [MI] [mi impute mvn](#),
[MI] [Glossary](#)
- wra, stteffects subcommand, [TE] [stteffects wra](#)
- write data, see [export data](#), see [save data](#)
- write, file subcommand, [P] [file](#)
- writing and reading text and binary files, [P] [file](#)
- www.stata.com website, [U] [3.2.1 The Stata website \(www.stata.com\)](#)
- www.stata-journal.com website, [U] [3.4 The Stata Journal](#)
- www.stata-press.com website, [U] [3.3 Stata Press](#)

X

- xaxis() suboption, [G-3] [axis_choice_options](#)
- X-bar charts, see [control line charts](#)
- xchart command, [R] [QC](#)
- xcommon option, [G-2] [graph combine](#)
- xcorr command, [TS] [xcorr](#)
- xeq, mi subcommand, [MI] [mi xeq](#)
- xi prefix command, [R] [xi](#)
- xl() function, [M-5] [xl\(\)](#)
- xlabel() option, [G-3] [axis_label_options](#)
- xline() option, [G-3] [added_line_options](#)
- xmlabel() option, [G-3] [axis_label_options](#)
- xmtick() option, [G-3] [axis_label_options](#)
- xpo, [LASSO] [Glossary](#)
- xpovregress command, [LASSO] [Inference examples](#), [LASSO] [lasso inference postestimation](#), [LASSO] [xpovregress](#)
- xpologit command, [LASSO] [Inference examples](#), [LASSO] [lasso inference postestimation](#), [LASSO] [xpologit](#)
- xpovpoisson command, [LASSO] [Inference examples](#), [LASSO] [lasso inference postestimation](#), [LASSO] [xpovpoisson](#)
- xporegress command, [LASSO] [Inference examples](#), [LASSO] [lasso inference postestimation](#), [LASSO] [xporegress](#)
- xpose command, [D] [xpose](#)
- xscale() option, [G-3] [axis_scale_options](#)
- xshell command, [D] [shell](#)
- xsize() option, [G-2] [graph display](#), [G-3] [region_options](#)
- xtabond command, [XT] [xtabond](#), [XT] [xtabond postestimation](#)
- xtcloglog command, [XT] [quadchk](#), [XT] [xtcloglog](#), [XT] [xtcloglog postestimation](#)
- xtcointtest
 - kao command, [XT] [xtcointtest](#)
 - pedroni command, [XT] [xtcointtest](#)
 - westerlund command, [XT] [xtcointtest](#)
- xtdata command, [XT] [xtdata](#)
- xtdescribe command, [XT] [xtdescribe](#)
- xtddiregress command, [TE] [ddiregress](#), [TE] [ddiregress postestimation](#)
- xtdpd command, [XT] [xtdpd](#), [XT] [xtdpd postestimation](#)

xtdpsys command, [XT] [xtdpsys](#), [XT] [xtdpsys postestimation](#)
 xteintreg command, [ERM] [Intro 6](#), [ERM] [eintreg](#), [ERM] [eintreg postestimation](#), [ERM] [eintreg predict](#), [ERM] [predict advanced](#), [ERM] [predict treatment](#)
 xteoprobit command, [ERM] [eoprobit](#), [ERM] [eoprobit postestimation](#), [ERM] [eoprobit predict](#), [ERM] [Example 9](#), [ERM] [predict advanced](#), [ERM] [predict treatment](#)
 xteprobit command, [ERM] [Intro 6](#), [ERM] [eprobit postestimation](#), [ERM] [eprobit predict](#), [ERM] [predict advanced](#), [ERM] [predict treatment](#)
 xtprobit command, [ERM] [eprobit](#)
 xteregress command, [ERM] [Intro 6](#), [ERM] [eregress](#), [ERM] [eregress postestimation](#), [ERM] [eregress predict](#), [ERM] [Example 7](#), [ERM] [Example 8a](#), [ERM] [Example 8b](#), [ERM] [predict advanced](#), [ERM] [predict treatment](#)
 xtfrentier command, [XT] [xtfrentier](#), [XT] [xtfrentier postestimation](#)
 xtgee command, [XT] [xtgee](#), [XT] [xtgee postestimation](#)
 xtglsl command, [XT] [xtglsl](#), [XT] [xtglsl postestimation](#)
 xtheckman command, [XT] [xtheckman](#), [XT] [xtheckman postestimation](#)
 xthtaylor command, [XT] [xthtaylor](#), [XT] [xthtaylor postestimation](#)
 xtick() option, [G-3] [axis_label_options](#)
 xtile command, [D] [ptile](#)
 xtintreg command, [XT] [quadchk](#), [XT] [xtintreg](#), [XT] [xtintreg postestimation](#)
 xttitle() option, [G-3] [axis_title_options](#)
 xtivreg command, [XT] [xtivreg](#), [XT] [xtivreg postestimation](#)
 xtline command, [XT] [xtline](#)
 xtlogit command, [XT] [quadchk](#), [XT] [xtlogit](#), [XT] [xtlogit postestimation](#)
 xtmlogit command, [XT] [quadchk](#), [XT] [xtmlogit](#), [XT] [xtmlogit postestimation](#)
 xtnbreg command, [XT] [xtnbreg](#), [XT] [xtnbreg postestimation](#)
 xtologit command, [XT] [quadchk](#), [XT] [xtologit](#), [XT] [xtologit postestimation](#)
 xtoprobit command, [XT] [quadchk](#), [XT] [xtoprobit](#), [XT] [xtoprobit postestimation](#)
 xtpcse command, [XT] [xtpcse](#), [XT] [xtpcse postestimation](#)
 xtppoisson command, [XT] [quadchk](#), [XT] [xtppoisson](#), [XT] [xtppoisson postestimation](#)
 xtprobit command, [XT] [quadchk](#), [XT] [xtprobit](#), [XT] [xtprobit postestimation](#)
 xtrc command, [XT] [xtrc](#), [XT] [xtrc postestimation](#)
 xtreg command, [XT] [xtreg](#), [XT] [xtreg postestimation](#)
 xtregar command, [XT] [xtregar](#), [XT] [xtregar postestimation](#)

xtset command, [SP] [Intro 4](#), [SP] [spbalance](#), [SP] [spset](#), [XT] [xtset](#)
 xtset, mi subcommand, [MI] [mi XXXset](#)
 xtstreg command, [XT] [quadchk](#), [XT] [xtstreg](#), [XT] [xtstreg postestimation](#)
 xtsum command, [XT] [xtsum](#)
 xttab command, [XT] [xttab](#)
 xttest0 command, [XT] [xtreg postestimation](#)
 xttoibit command, [XT] [quadchk](#), [XT] [xttoibit](#), [XT] [xttoibit postestimation](#)
 xttrans command, [XT] [xttab](#)
 xtunitroot
 breitung command, [XT] [xtunitroot](#)
 fisher command, [XT] [xtunitroot](#)
 hadri command, [XT] [xtunitroot](#)
 ht command, [XT] [xtunitroot](#)
 ips command, [XT] [xtunitroot](#)
 llc command, [XT] [xtunitroot](#)
 xvarformat() option, [G-3] [advanced_options](#)
 xvarlabel() option, [G-3] [advanced_options](#)
 xxxset, programming, [MI] [Technical](#)

Y

yaxis() suboption, [G-3] [axis_choice_options](#)
 ycommon option, [G-2] [graph combine](#)
 year() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#), [U] [25.5 Extracting components of dates and times](#)
 yearly() function, [D] [Datetime](#), [D] [Datetime conversion](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
 yh() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
 ylabel() option, [G-3] [axis_label_options](#)
 yline() option, [G-3] [added_line_options](#)
 ym() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
 ymlabel() option, [G-3] [axis_label_options](#)
 ymtick() option, [G-3] [axis_label_options](#)
 yofd() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
 YouTube Channel, see [Stata YouTube Channel](#)
 yq() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)
 yscale() option, [G-3] [axis_scale_options](#)
 ysize() option, [G-2] [graph display](#), [G-3] [region_options](#)
 ytick() option, [G-3] [axis_label_options](#)
 yttitle() option, [G-3] [axis_title_options](#)
 Yule coefficient similarity measure, [MV] [measure_option](#)
 Yule–Walker equations, [TS] [corrgram](#), [TS] [Glossary](#)
 yvarformat() option, [G-3] [advanced_options](#)
 yvarlabel() option, [G-3] [advanced_options](#)
 yw() function, [D] [Datetime](#), [FN] [Date and time functions](#), [M-5] [date\(\)](#)

Z

z test, [PSS-5] **Glossary**

Zellner's

g-prior, [BAYES] **Bayesian commands**,
[BAYES] **bayes**, [BAYES] **bayesmh**,
[BAYES] **Glossary**

seemingly unrelated regression, [R] **sureg**, [R] **reg3**,
[R] **suest**

zero altered, see **zero-inflated**

zero matrix, [P] **matrix define**

zero-cell adjustment, [META] **meta data**, [META] **meta**
esize, [META] **meta update**, [META] **Glossary**

zero-inflated

negative binomial regression, [BAYES] **bayes: zinb**,
[FMM] **fmn: pointmass**, [R] **zinb**, [SVY] **svy**
estimation

ordered logistic regression, [R] **ziologit**

ordered logit regression, [BAYES] **bayes: ziologit**,
[SVY] **svy estimation**

ordered

probit regression, [BAYES] **bayes: zioprobit**,
[FMM] **fmn: pointmass**, [R] **zioprobit**,
[SVY] **svy estimation**

Poisson regression, [BAYES] **bayes: zip**,
[FMM] **fmn: pointmass**, [FMM] **Example 3**,
[R] **zip**, [SVY] **svy estimation**

zero-skewness transform, [R] **lnskew0**

zinb command, [R] **zinb**, [R] **zinb postestimation**

ziologit command, [R] **ziologit**, [R] **ziologit**
postestimation

zioprobit command, [R] **zioprobit**, [R] **zioprobit**
postestimation

zip command, [R] **zip**, [R] **zip postestimation**

.zip standard-format shapefiles, [SP] **Intro 4**,
[SP] **spbalance**, [SP] **spshape2dta**

zipfile command, [D] **zipfile**

zlabel() option, [G-3] **axis_label_options**

zmlabel() option, [G-3] **axis_label_options**

zmtick() option, [G-3] **axis_label_options**

zscale() option, [G-3] **axis_scale_options**

ztest and ztesti commands, [R] **ztest**

ztick() option, [G-3] **axis_label_options**

zttitle() option, [G-3] **axis_title_options**