

STATA INDEX RELEASE 19



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Combined subject table of contents

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Programming

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Getting started

[GSM]	Getting Started with Stata for Mac	
[GSU]	Getting Started with Stata for Unix	
[GSW]	Getting Started with Stata for Windows	.....
[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 a 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]	frames modify	Modify a set of frames on disk
[D]	frames save	Save a set of frames on disk
[D]	frames use	Load a set of frames from disk
[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 haverdirect	Import data from Haver Analytics cloud servers
[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 and export 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]	fralias	Alias variables from linked frames
[D]	frget	Copy variables from linked frame
[D]	frlink	Link frames
[D]	frunalias	Change storage type of alias variables
[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]	cmsummarize	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 a 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]	changeool	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]	fralias	Alias variables from linked frames
[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 describe	Describe frames in memory or in a file
[D]	frames dir	Display names of all frames in memory
[D]	frames intro	Introduction to frames
[D]	frames modify	Modify a set of frames on disk
[D]	frames reset	Drop all frames from memory
[D]	frames save	Save a set of frames on disk
[D]	frames use	Load a set of frames from disk
[D]	frget	Copy variables from linked frame
[D]	frlink	Link frames
[D]	frunalias	Change storage type of alias variables

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 stsplit	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 clevel	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]	rmsg	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 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]	<code>assert</code>	Verify truth of claim
[D]	<code>assertnested</code>	Verify variables nested
[D]	<code>cd</code>	Change directory
[D]	<code>changeool</code>	Convert end-of-line characters of text file
[D]	<code>checksum</code>	Calculate checksum of file
[D]	<code>copy</code>	Copy file from disk or URL
[P]	<code>_datasignature</code>	Determine whether data have changed
[D]	<code>datasignature</code>	Determine whether data have changed
[R]	<code>db</code>	Launch dialog
[P]	<code>Dialog programming</code>	Dialog programming
[D]	<code>dir</code>	Display filenames
[P]	<code>discard</code>	Drop automatically loaded programs
[D]	<code>erase</code>	Erase a disk file
[P]	<code>file</code>	Read and write text and binary files
[D]	<code>filefilter</code>	Convert ASCII or binary patterns in a file
[D]	<code>hexdump</code>	Display hexadecimal report on file
[D]	<code>mkdir</code>	Create directory
[R]	<code>more</code>	The —more— message
[R]	<code>query</code>	Display system parameters
[P]	<code>quietly</code>	Quietly and noisily perform Stata command
[D]	<code>rmdir</code>	Remove directory
[R]	<code>set</code>	Overview of system parameters
[R]	<code>set cformat</code>	Format settings for coefficient tables
[R]	<code>set_defaults</code>	Reset system parameters to original Stata defaults
[R]	<code>set emptycells</code>	Set what to do with empty cells in interactions
[R]	<code>set iter</code>	Control iteration settings
[P]	<code>set locale_functions</code>	Specify default locale for functions
[P]	<code>set locale_ui</code>	Specify a localization package for the user interface
[R]	<code>set rng</code>	Set which random-number generator (RNG) to use
[R]	<code>set rngstream</code>	Specify the stream for the stream random-number generator
[R]	<code>set seed</code>	Specify random-number seed and state
[R]	<code>set showbaselevels</code>	Display settings for coefficient tables
[P]	<code>set sortmethod</code>	Specify a sort method
[P]	<code>set sortrngstate</code>	Set the state of sort's randomizer
[D]	<code>shell</code>	Temporarily invoke operating system
[P]	<code>signestimationsample</code>	Determine whether the estimation sample has changed
[P]	<code>smcl</code>	Stata Markup and Control Language
[P]	<code>sysdir</code>	Query and set system directories
[D]	<code>type</code>	Display contents of a file
[D]	<code>unicode collator</code>	Language-specific Unicode collators
[D]	<code>unicode convertfile</code>	Low-level file conversion between encodings
[D]	<code>unicode encoding</code>	Unicode encoding utilities
[D]	<code>unicode locale</code>	Unicode locale utilities
[D]	<code>vl</code>	Manage variable lists
[D]	<code>vl create</code>	Create and modify user-defined variable lists
[D]	<code>vl drop</code>	Drop variable lists or variables from variable lists
[D]	<code>vl list</code>	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

Bayesian analysis graphs

[BAYES]	bayescast graph	Graphs of Bayesian dynamic forecasts
[BAYES]	bayesgraph	Graphical summaries and convergence diagnostics
[BAYES]	bayesirf cgraph	Combined graphs of Bayesian IRF results
[BAYES]	bayesirf graph	Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	bayesirf ograph	Overlaid graphs of Bayesian IRF results

Bayesian model averaging graphs

[BMA]	bmagraph	Graphical summary for models and predictors after BMA regression
[BMA]	bmagraph coefdensity	Regression coefficient density plots after BMA regression
[BMA]	bmagraph msize	Model-size distribution plots after BMA regression
[BMA]	bmagraph pmp	Model-probability plots after BMA regression
[BMA]	bmagraph varmap	Variable-inclusion map after BMA regression

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	Two-way graphs
[G-2]	graph twoway area	Two-way line plot with area shading
[G-2]	graph twoway bar	Two-way bar plots

[G-2]	graph twoway connected	Two-way connected plots
[G-2]	graph twoway contour	Two-way contour plot with area shading
[G-2]	graph twoway contourline	Two-way contour-line plot
[G-2]	graph twoway dot	Two-way dot plots
[G-2]	graph twoway dropline	Two-way dropped-line plots
[G-2]	graph twoway fpfit	Two-way fractional-polynomial prediction plots
[G-2]	graph twoway fpfitci	Two-way fractional-polynomial prediction plots with CIs
[G-2]	graph twoway function	Two-way line plot of function
[G-2]	graph twoway heatmap	Two-way heat map
[G-2]	graph twoway histogram	Histogram plots
[G-2]	graph twoway kdensity	Kernel density plots
[G-2]	graph twoway lfit	Two-way linear prediction plots
[G-2]	graph twoway lfitci	Two-way linear prediction plots with CIs
[G-2]	graph twoway line	Two-way 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	Two-way median-band plots
[G-2]	graph twoway mspline	Two-way median-spline plots
[G-2]	graph twoway pcarrow	Paired-coordinate plot with arrows
[G-2]	graph twoway pcarrowi	Two-way pcarrow with immediate arguments
[G-2]	graph twoway pccapsym	Paired-coordinate plot with spikes and marker symbols
[G-2]	graph twoway pci	Two-way paired-coordinate plot with immediate arguments
[G-2]	graph twoway pscatter	Paired-coordinate plot with markers
[G-2]	graph twoway pspike	Paired-coordinate plot with spikes
[G-2]	graph twoway qfit	Two-way quadratic prediction plots
[G-2]	graph twoway qfitci	Two-way 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 rpcap	Range and point plot with capped spikes
[G-2]	graph twoway rspike	Range and point plot with spikes
[G-2]	graph twoway rscatter	Range plot with markers
[G-2]	graph twoway rspike	Range plot with spikes
[G-2]	graph twoway scatter	Two-way scatterplots
[G-2]	graph twoway scatteri	Scatter with immediate arguments
[G-2]	graph twoway spike	Two-way spike plots
[G-2]	graph twoway tsline	Two-way line plots
[G-2]	graph use	Display graph saved to 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 dot plots
[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

H2O machine learning graphs

[H2OML]	h2omlgraph ice	Produce individual conditional expectation plot
[H2OML]	h2omlgraph pdp	Produce partial dependence plot
[H2OML]	h2omlgraph prcurve	Produce precision–recall curve plot
[H2OML]	h2omlgraph roc	Produce ROC curve plot
[H2OML]	h2omlgraph scorehistory	Produce score history plot
[H2OML]	h2omlgraph shapsummary	Produce SHAP beeswarm plot
[H2OML]	h2omlgraph shapvalues	Produce SHAP values plot for individual observations
[H2OML]	h2omlgraph varimp	Produce variable importance plot
[H2OML]	h2omltree	Save decision tree DOT file and display rule set

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

Power, precision, and sample-size graphs

[PSS-3]	ciwidth, graph	Graph results from the ciwidth command
[ADAPT]	gsbounds	Boundaries for group sequential trials
[ADAPT]	gsdesign	Study design for group sequential trials
[PSS-2]	power, graph	Graph results from the power command

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]	rocfits postestimation	Postestimation tools for rocfits
[R]	rocregplot	Plot marginal and covariate-specific ROC curves after rocreg
[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]	PH plots (interval-censored)	PH-assumption plots for interval-censored data
[ST]	PH plots (right-censored)	PH-assumption plots for right-censored data
[ST]	estat gofplot ...	Goodness-of-fit plots after streg, stcox, stintreg, stintcox, or stmgintcox
[ST]	ltable	Life tables for survival data
[ST]	stci	Confidence intervals for means and percentiles of survival time
[ST]	stcurve	Plot the survivor or related function after streg, stcox, and more
[ST]	strate	Tabulate failure rates and rate ratios
[ST]	sts graph	Graph the survivor or related function

Time-series graphs

[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 fcast 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 eigenvalue stability condition
[TS]	vecstable	Check the stability condition of VEC model estimates
[TS]	wntestb	Bartlett's periodogram-based test for white noise
[TS]	xcorr	Cross-correlogram for bivariate time series

More statistical graphs

[R]	Eptab	Tables for epidemiologists
[R]	fp postestimation	Postestimation tools for fp
[R]	grmeanby	Graph means and medians by categorical variables
[R]	pkexamine	Calculate pharmacokinetic measures
[R]	pksumm	Summarize pharmacokinetic data
[R]	stem	Stem-and-leaf displays
[CAUSAL]	tebalance box	Covariate balance box
[CAUSAL]	teoverlap	Overlap plots
[XT]	xtline	Panel-data line plots

Editing

[G-1]	Graph Editor	Graph Editor
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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

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
[G-4]	Scheme st	Scheme description: st family

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

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 models
[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	Linear models for panel data

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]	<code>tabulate twoway</code>	Two-way table of frequencies
[R]	<code>tabulate, summarize()</code>	One- and two-way tables of summary statistics
[R]	<code>total</code>	Estimate totals
[R]	<code>ttest</code>	<i>t</i> tests (mean-comparison tests)
[R]	<code>ztest</code>	<i>z</i> tests (mean-comparison tests, known variance)

Bayesian analysis

[U]	Section 27.34	Bayesian analysis
[BAYES]	<code>Intro</code>	Introduction to Bayesian analysis
[BAYES]	<code>Bayesian commands</code>	Introduction to commands for Bayesian analysis
[BAYES]	<code>Bayesian estimation</code>	Bayesian estimation commands
[BAYES]	<code>Bayesian postestimation</code>	Postestimation tools after Bayesian estimation
[BAYES]	<code>bayes</code>	Bayesian regression models using the <code>bayes</code> prefix
[BAYES]	<code>bayes: betareg</code>	Bayesian beta regression
[BAYES]	<code>bayes: binreg</code> ..	Bayesian generalized linear models: Extensions to the binomial family
[BAYES]	<code>bayes: bprobit</code>	Bayesian bivariate probit regression
[BAYES]	<code>bayes: clogit</code>	Bayesian conditional logistic regression
[BAYES]	<code>bayes: cloglog</code>	Bayesian complementary log–log regression
[BAYES]	<code>bayes: dsge</code>	Bayesian linear dynamic stochastic general equilibrium models
[BAYES]	<code>bayes: dsge postestimation</code>	Postestimation tools for <code>bayes: dsge</code> and <code>bayes: dsge nl</code>
[BAYES]	<code>bayes: dsge nl</code>	Bayesian nonlinear dynamic stochastic general equilibrium models
[BAYES]	<code>bayes: fracreg</code>	Bayesian fractional response regression
[BAYES]	<code>bayes: glm</code>	Bayesian generalized linear models
[BAYES]	<code>bayes: gnbreg</code>	Bayesian generalized negative binomial regression
[BAYES]	<code>bayes: heckman</code>	Bayesian Heckman selection model
[BAYES]	<code>bayes: heckprobit</code>	Bayesian ordered probit model with sample selection
[BAYES]	<code>bayes: heckprobit</code>	Bayesian probit model with sample selection
[BAYES]	<code>bayes: hetoprobit</code>	Bayesian heteroskedastic ordered probit regression
[BAYES]	<code>bayes: hetoprobit</code>	Bayesian heteroskedastic probit regression
[BAYES]	<code>bayes: hetoregress</code>	Bayesian heteroskedastic linear regression
[BAYES]	<code>bayes: intreg</code>	Bayesian interval regression
[BAYES]	<code>bayes: logistic</code>	Bayesian logistic regression, reporting odds ratios
[BAYES]	<code>bayes: logit</code>	Bayesian logistic regression, reporting coefficients
[BAYES]	<code>bayes: meclolog</code>	Bayesian multilevel complementary log–log regression
[BAYES]	<code>bayes: meglm</code>	Bayesian multilevel generalized linear model
[BAYES]	<code>bayes: meintreg</code>	Bayesian multilevel interval regression
[BAYES]	<code>bayes: melogit</code>	Bayesian multilevel logistic regression
[BAYES]	<code>bayes: menbreg</code>	Bayesian multilevel negative binomial regression
[BAYES]	<code>bayes: meologit</code>	Bayesian multilevel ordered logistic regression
[BAYES]	<code>bayes: meoprobit</code>	Bayesian multilevel ordered probit regression
[BAYES]	<code>bayes: mepoisson</code>	Bayesian multilevel Poisson regression
[BAYES]	<code>bayes: meprobit</code>	Bayesian multilevel probit regression
[BAYES]	<code>bayes: mestreg</code>	Bayesian multilevel parametric survival models
[BAYES]	<code>bayes: metobit</code>	Bayesian multilevel tobit regression
[BAYES]	<code>bayes: mixed</code>	Bayesian multilevel linear regression
[BAYES]	<code>bayes: mlogit</code>	Bayesian multinomial logistic regression
[BAYES]	<code>bayes: mprobit</code>	Bayesian multinomial probit regression
[BAYES]	<code>bayes: mvreg</code>	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: qreg	Bayesian quantile 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: xtprobit	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
[R]	bayesboot	Bayesian bootstrap estimation
[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 graph	Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[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]	bayesselect	Bayesian variable selection for linear regression
[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
[BMA]	bmaregress	Bayesian model averaging for linear regression
[R]	rwgen	Generate replicate weights for bootstrap estimation

Bayesian model averaging

[U]	Section 27.35	Bayesian model averaging
[BMA]	Intro	Introduction to Bayesian model averaging
[BMA]	BMA commands	Introduction to commands for Bayesian model averaging
[BMA]	BMA postestimation	Postestimation tools for Bayesian model averaging
[BMA]	bmacoefsample	Posterior samples of regression coefficients
[BMA]	bmagraph	Graphical summary for models and predictors after BMA regression
[BMA]	bmagraph coefdensity	Regression coefficient density plots after BMA regression
[BMA]	bmagraph msize	Model-size distribution plots after BMA regression
[BMA]	bmagraph pmp	Model-probability plots after BMA regression
[BMA]	bmagraph varmap	Variable-inclusion map after BMA regression
[BMA]	bmapredict	Predictions after BMA regression
[BMA]	bmaregress	Bayesian model averaging for linear regression
[BMA]	bmastats	Summary for models and predictors after BMA regression
[BMA]	bmastats jointness	Jointness measures for predictors after BMA regression
[BMA]	bmastats lps	Log predictive-score after BMA regression
[BMA]	bmastats models	Model and variable-inclusion summaries after BMA regression
[BMA]	bmastats msize	Model-size summary after BMA regression
[BMA]	bmastats pip	Posterior inclusion probabilities for predictors after BMA regression

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]	cfprobit	Control-function probit regression
[R]	cloglog	Complementary log–log regression
[LASSO]	dslogit	Double-selection lasso logistic regression
[ERM]	eprobit	Extended probit regression
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[R]	exlogistic	Exact logistic regression
[FMM]	finm estimation	Fitting finite mixture models
[R]	glm	Generalized linear models
[H2OML]	h2oml gbbinclass	Gradient boosting binary classification
[H2OML]	h2oml rfbinclass	Random forest binary classification
[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
[CAUSAL]	mediate	Causal mediation analysis
[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]	roclog	Parametric and nonparametric ROC regression
[R]	scobit	Skewed logistic regression
[CAUSAL]	teffects aipw	Augmented inverse-probability weighting
[CAUSAL]	teffects ipw	Inverse-probability weighting
[CAUSAL]	teffects ipwra	Inverse-probability-weighted regression adjustment
[CAUSAL]	teffects nnmatch	Nearest-neighbor matching
[CAUSAL]	teffects psmatch	Propensity-score matching
[CAUSAL]	teffects ra	Regression adjustment
[CAUSAL]	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
[H2OML]	h2oml gbmulticlass	Gradient boosting multiclass classification
[H2OML]	h2oml rfmulticlass	Random forest multiclass classification
[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

Causal inference and treatment-effects estimation

[U]	Section 27.20	Causal inference
[CAUSAL]	Causal inference commands	Introduction to causal inference commands

[CAUSAL]	DID intro	Introduction to difference-in-differences estimation
[CAUSAL]	Intro	Introduction to causal inference and treatment-effects estimation
[CAUSAL]	cate	Conditional average treatment-effects estimation
[CAUSAL]	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
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[CAUSAL]	etregress	Linear regression with endogenous treatment effects
[CAUSAL]	gencohort	Create a cohort variable
[CAUSAL]	hdidregress	Heterogeneous difference in differences
[CAUSAL]	mediate	Causal mediation analysis
[CAUSAL]	stteffects	Treatment-effects estimation for observational survival-time data
[CAUSAL]	stteffects intro	Introduction to treatment effects for observational survival-time data
[CAUSAL]	stteffects ipw	Survival-time inverse-probability weighting
[CAUSAL]	stteffects ipwra	Survival-time inverse-probability-weighted regression adjustment
[CAUSAL]	stteffects ra	Survival-time regression adjustment
[CAUSAL]	stteffects wra	Survival-time weighted regression adjustment
[CAUSAL]	tebalance	Check balance after teffects or stteffects estimation
[CAUSAL]	tebalance box	Covariate balance box
[CAUSAL]	tebalance density	Covariate balance density
[CAUSAL]	tebalance overid	Test for covariate balance
[CAUSAL]	tebalance summarize	Covariate-balance summary statistics
[CAUSAL]	teffects	Treatment-effects estimation for observational data
[CAUSAL]	teffects aipw	Augmented inverse-probability weighting
[CAUSAL]	teffects intro	Introduction to treatment effects for observational data
[CAUSAL]	teffects intro advanced	Advanced introduction to treatment effects for observational data
[CAUSAL]	teffects ipw	Inverse-probability weighting
[CAUSAL]	teffects ipwra	Inverse-probability-weighted regression adjustment
[CAUSAL]	teffects multivalued	Multivalued treatment effects
[CAUSAL]	teffects nnmatch	Nearest-neighbor matching
[CAUSAL]	teffects psmatch	Propensity-score matching
[CAUSAL]	teffects ra	Regression adjustment
[CAUSAL]	telasso	Treatment-effects estimation using lasso
[CAUSAL]	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]	xteregress	Extended random-effects linear regression
[CAUSAL]	xthdidregress	Heterogeneous difference in differences for panel data

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]	stmgintcox	Marginal Cox PH model for interval-censored multiple-event data
[ST]	streg	Parametric survival models
[CAUSAL]	steffects	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]	xheckman	Random-effects regression with sample selection
[XT]	xtintreg	Random-effects interval-data regression model
[XT]	xtstreg	Random-effects parametric survival models
[XT]	xttobit	Random-effects tobit model

Choice models

[U]	Section 27.10	Choice models
[CM]	Intro	Introduction to choice models manual
[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]	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]	cmsample	Display reasons for sample exclusion
[CM]	cmset	Declare data to be choice model data
[CM]	cmsummarize	Summarize variables by chosen alternatives
[CM]	cmstab	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
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[R]	expoission	Exact Poisson regression
[FMM]	finm estimation	Fitting finite mixture models
[R]	heckpoisson	Poisson regression with sample selection
[CAUSAL]	mediate	Causal mediation analysis
[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
[CAUSAL]	teffects aipw	Augmented inverse-probability weighting
[CAUSAL]	teffects ipw	Inverse-probability weighting
[CAUSAL]	teffects ipwra	Inverse-probability-weighted regression adjustment
[CAUSAL]	teffects nnmatch	Nearest-neighbor matching
[CAUSAL]	teffects psmatch	Propensity-score matching
[CAUSAL]	teffects ra	Regression adjustment
[CAUSAL]	telasso	Treatment-effects estimation using lasso
[R]	tnbreg	Truncated negative binomial regression
[R]	tpoisson	Truncated Poisson regression

[LASSO]	xpopoisson	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 27.24	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 27.29	Dynamic stochastic general equilibrium (DSGE) models
[DSGE]	Intro	Introduction to DSGE manual
[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]	dsge nl	Nonlinear dynamic stochastic general equilibrium models
[DSGE]	dsge nl postestimation	Postestimation tools for dsge nl
[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
[R]	cfprobit	Control-function probit regression
[R]	cfregress	Control-function linear regression
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[CAUSAL]	etregress	Linear regression with endogenous treatment effects
[TS]	forecast	Econometric model forecasting
[R]	gmm	Generalized method of moments estimation
[R]	ivfprobit	Fractional probit model with continuous endogenous covariates
[R]	ivpoisson	Poisson model with continuous endogenous covariates
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	ivqregress	Instrumental-variables quantile regression
[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]	xteregress	Extended random-effects linear regression
[XT]	xthtaylor	Hausman–Taylor estimator for error-components model
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models
[XT]	xtvar	Panel-data vector autoregressive 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]	reri	Relative excess risk due to interaction
[R]	roc	Receiver operating characteristic (ROC) analysis
[R]	roccomp	Tests of equality of ROC areas
[R]	rocfits	Parametric ROC models
[R]	rocreg	Parametric and nonparametric 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 *Causal inference and treatment-effects estimation*.

Estimation related

[R]	constraint	Define and list constraints
[R]	eform_option	Displaying exponentiated coefficients
[R]	Estimation options	Estimation options
[R]	fp	Fractional polynomial regression
[R]	IC note	Calculating and interpreting information criteria
[R]	makespline	Spline generation
[R]	Maximize	Details of iterative maximization
[R]	mfp	Multivariable fractional polynomial models
[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]	<i>bitest</i>	Binomial probability test
[R]	<i>centile</i>	Report centile and confidence interval
[R]	<i>ci</i>	Confidence intervals for means, proportions, and variances
[R]	<i>dstdize</i>	Direct and indirect standardization
[R]	<i>Epitab</i>	Tables for epidemiologists
[R]	<i>exlogistic</i>	Exact logistic regression
[R]	<i>expoisson</i>	Exact Poisson regression
[R]	<i>ksmirnov</i>	Kolmogorov–Smirnov equality-of-distributions test
[R]	<i>loneway</i>	Large one-way ANOVA, random effects, and reliability
[PSS-2]	<i>power oneproportion</i>	Power analysis for a one-sample proportion test
[R]	<i>ranksum</i>	Equality tests on unmatched data
[R]	<i>roctab</i>	Nonparametric ROC analysis
[R]	<i>symmetry</i>	Symmetry and marginal homogeneity tests
[R]	<i>tabulate twoway</i>	Two-way table of frequencies
[R]	<i>tetrachoric</i>	Tetrachoric correlations for binary variables

Extended regression models

[ERM]	ERM options	Extended regression model options
[ERM]	Intro	Introduction to extended regression models manual
[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]	<i>eintreg</i>	Extended interval regression
[ERM]	<i>eintreg postestimation</i>	Postestimation tools for <i>eintreg</i> and <i>xt Eintreg</i>
[ERM]	<i>eintreg predict</i>	predict after <i>eintreg</i> and <i>xt Eintreg</i>
[ERM]	<i>eoprobit</i>	Extended ordered probit regression
[ERM]	<i>eoprobit postestimation</i>	Postestimation tools for <i>eoprobit</i> and <i>xt Eoprobit</i>
[ERM]	<i>eoprobit predict</i>	predict after <i>eoprobit</i> and <i>xt Eoprobit</i>
[ERM]	<i>eprobit</i>	Extended probit regression
[ERM]	<i>eprobit postestimation</i>	Postestimation tools for <i>eprobit</i> and <i>xt Eprobit</i>
[ERM]	<i>eprobit predict</i>	predict after <i>eprobit</i> and <i>xt Eprobit</i>
[ERM]	<i>eregress</i>	Extended linear regression
[ERM]	<i>eregress postestimation</i>	Postestimation tools for <i>eregress</i> and <i>xt Eregress</i>
[ERM]	<i>eregress predict</i>	predict after <i>eregress</i> and <i>xt Eregress</i>
[ERM]	<i>estat teffects</i>	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]	xtregress	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 27.27	Finite mixture models (FMMs)
[FMM]	estat eform	Display exponentiated coefficients
[FMM]	estat lmean	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]	fmm	Finite mixture models using the fmm prefix
[FMM]	fmm estimation	Fitting finite mixture models
[FMM]	fmm intro	Introduction to finite mixture models

[FMM]	fmm postestimation	Postestimation tools for fmm
[FMM]	fmm: betareg	Finite mixtures of beta regression models
[FMM]	fmm: cloglog	Finite mixtures of complementary log–log regression models
[FMM]	fmm: glm	Finite mixtures of generalized linear regression models
[FMM]	fmm: intreg	Finite mixtures of interval regression models
[FMM]	fmm: ivregress	Finite mixtures of linear regression models with endogenous covariates
[FMM]	fmm: logit	Finite mixtures of logistic regression models
[FMM]	fmm: mlogit	Finite mixtures of multinomial (polytomous) logistic regression models
[FMM]	fmm: nbreg	Finite mixtures of negative binomial regression models
[FMM]	fmm: ologit	Finite mixtures of ordered logistic regression models
[FMM]	fmm: oprobit	Finite mixtures of ordered probit regression models
[FMM]	fmm: pointmass	Finite mixtures models with a density mass at a single point
[FMM]	fmm: poisson	Finite mixtures of Poisson regression models
[FMM]	fmm: probit	Finite mixtures of probit regression models
[FMM]	fmm: regress	Finite mixtures of linear regression models
[FMM]	fmm: streg	Finite mixtures of parametric survival models
[FMM]	fmm: tobit	Finite mixtures of tobit regression models
[FMM]	fmm: tpoisson	Finite mixtures of truncated Poisson regression models
[FMM]	fmm: truncreg	Finite mixtures of truncated linear regression models
[FMM]	lcstats	Latent class model-comparison statistics

Fractional outcomes

[BAYES]	bayes: betareg	Bayesian beta regression
[BAYES]	bayes: fracreg	Bayesian fractional response regression
[R]	betareg	Beta regression
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[FMM]	fmm: betareg	Finite mixtures of beta regression models
[R]	fracreg	Fractional response regression
[R]	ivfprobit	Fractional probit model with continuous endogenous covariates
[CAUSAL]	teffects ipw	Inverse-probability weighting
[CAUSAL]	teffects nnmatch	Nearest-neighbor matching
[CAUSAL]	teffects psmatch	Propensity-score matching

Generalized linear models

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

Group sequential designs

[U]	Section 27.33	Power, precision, and sample-size analysis
[ADAPT]	GSD intro	Introduction to group sequential designs
[ADAPT]	Intro	Introduction to adaptive designs for clinical trials
[ADAPT]	gs	Introduction to commands for group sequential design
[ADAPT]	gsbounds	Boundaries for group sequential trials

[ADAPT]	gsdesign	Study design for group sequential trials
[ADAPT]	gsdesign logrank	Group sequential design for a log-rank test
[ADAPT]	gsdesign onemean	Group sequential design for a one-sample mean test
[ADAPT]	gsdesign oneproportion	Group sequential design for a one-sample proportion test
[ADAPT]	gsdesign twomeans	Group sequential design for a two-sample means test
[ADAPT]	gsdesign twoproportions ...	Group sequential design for a two-sample proportions test
[ADAPT]	gsdesign usermethod	Add your own methods to the <code>gsdesign</code> command

H2O machine learning

[U]	Section 27.36	H2O machine learning
[H2OML]	Intro	Introduction to machine learning and ensemble decision trees
[H2OML]	DOT extension	Handling DOT files
[H2OML]	H2O option mapping	Mapping of H2OML estimation options to H2O
[H2OML]	H2O reproducibility	Reproducibility in H2O
[H2OML]	H2O setup	Prepare data for H2O analysis in Stata
[H2OML]	encode_option	Encoding schemes for categorical predictors
[H2OML]	h2oml	Introduction to commands for Stata integration with H2O machine learning
[H2OML]	h2oml gbm	Gradient boosting machine for regression and classification
[H2OML]	h2oml gbbinclass	Gradient boosting binary classification
[H2OML]	h2oml gbmulticlass	Gradient boosting multiclass classification
[H2OML]	h2oml gbregress	Gradient boosting regression
[H2OML]	h2oml postestimation	Postestimation tools for <code>h2oml gbm</code> and <code>h2oml rf</code>
[H2OML]	h2oml rf	Random forest for regression and classification
[H2OML]	h2oml rfbinclass	Random forest binary classification
[H2OML]	h2oml rfmulticlass	Random forest multiclass classification
[H2OML]	h2oml rfregress	Random forest regression
[H2OML]	h2omlest	Store and restore H2OML estimation results
[H2OML]	h2omlestat aucmulticlass	Display AUC and AUCPR after multiclass classification
[H2OML]	h2omlestat confmatrix	Display confusion matrix
[H2OML]	h2omlestat cvsummary	Display cross-validation summary
[H2OML]	h2omlestat gridsummary	Display grid-search summary
[H2OML]	h2omlestat hitratio	Display hit-ratio table
[H2OML]	h2omlestat metrics	Display performance metrics
[H2OML]	h2omlestat threshmetric	Display threshold-based metrics for binary classification
[H2OML]	h2omlexplore	Explore models after grid search
[H2OML]	h2omlgoof	Compare goodness of fit for machine learning models
[H2OML]	h2omlpostestframe	Specify frame for postestimation analysis
[H2OML]	h2omlselect	Select model after grid search
[H2OML]	metric_option	Classification and regression metrics

Indicator and categorical variables

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

Item response theory

[U]	Section 27.28	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 27.30	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]	lassocoeff	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]	popoisson	Partialing-out lasso Poisson regression

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

Latent class models

[U]	Section 27.26	Latent class models
[SEM]	estat lmean	Latent class marginal means
[SEM]	estat lprob	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]	areg	Linear regression with many indicator variables
[BAYES]	Bayesian estimation	Bayesian estimation commands
[BMA]	bmaregress	Bayesian model averaging for linear regression
[R]	cfregress	Control-function linear regression
[R]	cnsreg	Constrained linear regression
[R]	constraint	Define and list constraints
[CAUSAL]	didregress	Difference-in-differences estimation
[LASSO]	dsregress	Double-selection lasso linear regression
[R]	eivreg	Errors-in-variables regression
[ERM]	eregress	Extended linear regression
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[CAUSAL]	etregress	Linear regression with endogenous treatment effects
[FMM]	fmm estimation	Fitting finite mixture models
[R]	fp	Fractional polynomial regression
[R]	frontier	Stochastic frontier models
[R]	glm	Generalized linear models
[H2OML]	h2oml gbregrss	Gradient boosting regression
[H2OML]	h2oml rfregress	Random forest regression
[CAUSAL]	hdidregress	Heterogeneous difference in differences
[R]	heckman	Heckman selection model
[R]	hetregress	Heteroskedastic linear regression
[R]	ivpoisson	Poisson model with continuous endogenous covariates
[R]	ivqregress	Instrumental-variables quantile regression
[R]	ivregress	Single-equation instrumental-variables regression
[R]	ivtobit	Tobit model with continuous endogenous covariates
[R]	lpoly	Kernel-weighted local polynomial smoothing
[ME]	meglm	Multilevel mixed-effects generalized linear models
[META]	meta meregress	Multilevel mixed-effects meta-regression
[META]	meta multilevel	Multilevel random-intercepts meta-regression

[META]	meta mvregress	Multivariate meta-regression
[META]	meta regress	Meta-analysis regression
[R]	mfp	Multivariable fractional polynomial models
[ME]	mixed	Multilevel mixed-effects linear regression
[MV]	mvreg	Multivariate regression
[R]	nestreg	Nested model statistics
[TS]	newey	Regression with Newey–West standard errors
[LASSO]	poivregress	Partialing-out lasso instrumental-variables regression
[LASSO]	poregress	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]	rreg	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]	stmgintcox	Marginal Cox PH model for interval-censored multiple-event data
[ST]	streg	Parametric survival models
[R]	sureg	Zellner’s seemingly unrelated regression
[R]	tnbreg	Truncated negative binomial regression
[R]	vwls	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	GEE population-averaged panel-data models
[XT]	xtgls	GLS linear model with heteroskedastic and correlated errors
[CAUSAL]	xthdidregress	Heterogeneous difference in differences for panel data
[XT]	xthheckman	Random-effects regression with sample selection
[XT]	xthtaylor	Hausman–Taylor estimator for error-components model
[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	Linear models for panel data
[XT]	xtregar	Fixed- and random-effects linear models with an AR(1) disturbance
[XT]	xtstreg	Random-effects parametric survival models
[XT]	xtvar	Panel-data vector autoregressive 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]	cfprobit	Control-function 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]	ivfprobit	Fractional probit model with continuous endogenous covariates
[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
[PSS-2]	power logistic	Power analysis for logistic regression ⁺
[PSS-2]	power logistic general	Power analysis for logistic regression: General case ⁺
[PSS-2]	power logistic onebin	Power analysis for logistic regression with one binary covariate ⁺
[PSS-2]	power logistic twobin	Power analysis for logistic regression with two binary covariates ⁺
[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]	xteprobit	Extended random-effects probit regression
[XT]	xtgee	GEE population-averaged panel-data models
[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 model
[XT]	xtoprobit	Random-effects ordered probit model
[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
[CAUSAL]	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
[CAUSAL]	hdidregress	Heterogeneous difference in differences
[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	GEE population-averaged panel-data models
[XT]	xtgls	GLS linear model with heteroskedastic and correlated errors
[CAUSAL]	xthdidregress	Heterogeneous difference in differences for panel data
[XT]	xthheckman	Random-effects regression with sample selection
[XT]	xthtaylor	Hausman–Taylor estimator for error-components model
[XT]	xtintreg	Random-effects interval-data regression model
[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 model
[XT]	xtoprobit	Random-effects ordered probit model
[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]	xtrec	Random-coefficients model
[XT]	xtreg	Linear models for panel data
[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 model
[XT]	xtunitroot	Panel-data unit-root tests
[XT]	xtvar	Panel-data vector autoregressive models

Meta-analysis

[U]	Section 27.18	Meta-analysis
[META]	Intro	Introduction to meta-analysis
[META]	estat bubbleplot	Bubble plots after meta regress
[META]	estat group	Summarize the composition of the nested groups
[META]	estat heterogeneity (me)	Compute multilevel heterogeneity statistics
[META]	estat heterogeneity (mv)	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 labbepplot	L'Abbé plots
[META]	meta meregress	Multilevel mixed-effects meta-regression
[META]	meta multilevel	Multilevel random-intercepts meta-regression
[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 models
[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
[META]	meta meregress	Multilevel mixed-effects meta-regression
[META]	meta multilevel	Multilevel random-intercepts meta-regression
[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 model
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtologit	Random-effects ordered logistic model
[XT]	xtoprobit	Random-effects ordered probit model
[XT]	xtprobit	Random-effects and population-averaged probit models
[XT]	xtrc	Random-coefficients model
[XT]	xtreg	Linear models for panel data
[XT]	xttobit	Random-effects tobit model

Multidimensional scaling and biplots

[MV]	biplot	Biplots
[MV]	mds	Multidimensional scaling for two-way data
[MV]	mdslong	Multidimensional scaling of proximity data in long format
[MV]	mdsmat	Multidimensional scaling of proximity data in a matrix
[MV]	measure_option	Option for similarity and dissimilarity measures

Multilevel mixed-effects models

[U]	Section 27.16	Multilevel mixed-effects models
[BAYES]	Bayesian estimation	Bayesian estimation commands
[ME]	me	Introduction to multilevel mixed-effects models
[ME]	mecloglog	Multilevel mixed-effects complementary log–log regression
[ME]	meglm	Multilevel mixed-effects generalized linear models
[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
[META]	meta meregress	Multilevel mixed-effects meta-regression
[META]	meta multilevel	Multilevel random-intercepts meta-regression
[ME]	metobit	Multilevel mixed-effects tobit regression
[ME]	mixed	Multilevel mixed-effects linear regression

Multiple imputation

[U]	Section 27.32	Multiple imputation
[MI]	Intro	Introduction to mi
[MI]	Intro substantive	Introduction to multiple-imputation analysis
[MI]	Estimation	Estimation commands for use with mi estimate
[MI]	mi estimate	Estimation using multiple imputations
[MI]	mi estimate using	Estimation using previously saved estimation results
[MI]	mi estimate postestimation	Postestimation tools for mi estimate
[MI]	mi impute	Impute missing values
[MI]	mi impute chained	Impute missing values using chained equations
[MI]	mi impute intreg	Impute using interval regression
[MI]	mi impute logit	Impute using logistic regression
[MI]	mi impute mlogit	Impute using multinomial logistic regression
[MI]	mi impute monotone	Impute missing values in monotone data
[MI]	mi impute mvn	Impute using multivariate normal regression
[MI]	mi impute nbreg	Impute using negative binomial regression
[MI]	mi impute ologit	Impute using ordered logistic regression
[MI]	mi impute pmm	Impute using predictive mean matching
[MI]	mi impute poisson	Impute using Poisson regression
[MI]	mi impute regress	Impute using linear regression
[MI]	mi impute truncreg	Impute using truncated regression
[MI]	mi impute usermethod	User-defined imputation methods
[MI]	mi predict	Obtain multiple-imputation predictions
[MI]	mi test	Test hypotheses after mi estimate

Multivariate analysis of variance and related techniques

[U]	Section 27.22	Multivariate analysis
[MV]	canon	Canonical correlations
[MV]	hotelling	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
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[R]	<code>demandsys</code>	Estimation of flexible demand systems
[ME]	<code>menl</code>	Nonlinear mixed-effects regression
[R]	<code>nl</code>	Nonlinear least-squares estimation
[R]	<code>nlsur</code>	Estimation of nonlinear system of equations

Nonparametric statistics

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

Ordinal outcomes

[U]	<code>Chapter 20</code>	Estimation and postestimation commands
[BAYES]	<code>Bayesian estimation</code>	Bayesian estimation commands
[CM]	<code>cmrologit</code>	Rank-ordered logit choice model
[CM]	<code>cmroprobit</code>	Rank-ordered probit choice model
[ERM]	<code>eoprobit</code>	Extended ordered probit regression
[FMM]	<code>fmm estimation</code>	Fitting finite mixture models
[R]	<code>heckoprobit</code>	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 model
[XT]	xtoprobit	Random-effects ordered probit model
[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 27.33	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 logistic	Power analysis for logistic regression ⁺
[PSS-2]	power logistic general	Power analysis for logistic regression: General case ⁺
[PSS-2]	power logistic onebin	Power analysis for logistic regression with one binary covariate ⁺
[PSS-2]	power logistic twobin	Power analysis for logistic regression with two binary covariates ⁺
[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	Parametric and nonparametric 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
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[CAUSAL]	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]	xheckman	Random-effects regression with sample selection

Simulation/resampling

[R]	bayesboot	Bayesian bootstrap estimation
[R]	bootstrap	Bootstrap sampling and estimation
[R]	bsample	Sampling with replacement
[R]	jackknife	Jackknife estimation
[R]	permute	Permutation tests
[R]	rwgen	Generate replicate weights for bootstrap estimation
[R]	simulate	Monte Carlo simulations
[R]	wildbootstrap	Wild cluster bootstrap inference

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]	spmatrix	Categorical guide to the spmatrix command
[SP]	spmatrix copy	Copy spatial weighting matrix stored in memory
[SP]	spmatrix create	Create standard weighting matrices
[SP]	spmatrix drop	List and delete weighting matrices stored in memory
[SP]	spmatrix export	Export weighting matrix to text file
[SP]	spmatrix fromdata	Create custom weighting matrix from data
[SP]	spmatrix import	Import weighting matrix from text file
[SP]	spmatrix matafromsp	Copy weighting matrix to Mata
[SP]	spmatrix normalize	Normalize weighting matrix
[SP]	spmatrix note	Put note on weighting matrix, or display it
[SP]	spmatrix save	Save spatial weighting matrix to file
[SP]	spmatrix spfrommata	Copy Mata matrix to Sp
[SP]	spmatrix summarize	Summarize weighting matrix stored in memory
[SP]	spmatrix use	Load spatial weighting matrix from file
[SP]	spmatrix userdefined	Create custom weighting matrix
[SP]	spregress	Spatial autoregressive models
[SP]	spset	Declare data to be Sp spatial data
[SP]	spshape2dta	Translate shapefile to Stata format
[SP]	spxtregress	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]	contrast	Contrasts and linear hypothesis tests after estimation
[R]	correlate	Correlations of variables
[R]	estat	Postestimation statistics
[R]	estat ic	Display information criteria
[R]	estat summarize	Summarize estimation sample
[R]	estat vce	Display covariance matrix estimates
[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
[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
[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 parameters
[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 27.25	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 lgof	Latent class goodness-of-fit statistics
[SEM]	estat lcmean	Latent class marginal means
[SEM]	estat lcprob	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]	gsem	.....	Generalized structural equation model estimation command
[SEM]	gsem estimation options	.....	Options affecting estimation
[SEM]	gsem family-and-link options	.....	Family-and-link options
[SEM]	gsem group options	.....	Fitting models on different groups
[SEM]	gsem lclass options	.....	Fitting models with latent classes
[SEM]	gsem model description options	.....	Model description options
[SEM]	gsem path notation extensions	.....	Command syntax for path diagrams
[SEM]	gsem postestimation	.....	Postestimation tools for gsem
[SEM]	gsem reporting options	.....	Options affecting reporting of results
[SEM]	lcstats	.....	Latent class model-comparison statistics
[SEM]	lincom	.....	Linear combinations of parameters
[SEM]	lrtest	.....	Likelihood-ratio test of linear hypothesis
[SEM]	Methods and formulas for gsem	.....	Methods and formulas for gsem
[SEM]	Methods and formulas for sem	.....	Methods and formulas for sem
[SEM]	nlcom	.....	Nonlinear combinations of parameters
[SEM]	predict after gsem	.....	Generalized linear predictions, etc.
[SEM]	predict after sem	.....	Factor scores, linear predictions, etc.
[SEM]	sem	.....	Structural equation model estimation command
[SEM]	sem and gsem option constraints()	.....	Specifying constraints
[SEM]	sem and gsem option covstructure()	.....	Specifying covariance restrictions
[SEM]	sem and gsem option from()	.....	Specifying starting values
[SEM]	sem and gsem option reliability()	...	Fraction of variance not due to measurement error
[SEM]	sem and gsem path notation	.....	Command syntax for path diagrams
[SEM]	sem and gsem syntax options	.....	Options affecting interpretation of syntax
[SEM]	sem estimation options	.....	Options affecting estimation
[SEM]	sem group options	.....	Fitting models on different groups
[SEM]	sem model description options	.....	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 sem with summary statistics data
[SEM]	<code>sem path notation extensions</code>	Command syntax for path diagrams
[SEM]	<code>sem postestimation</code>	Postestimation tools for sem
[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 (sem 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 27.31	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]	<code>estat</code>	Postestimation statistics for survey data
[TABLES]	Example 7	Table of regression results using survey data
[SVY]	<code>jackknife_options</code>	More options for jackknife variance estimation
[SVY]	<code>ml for svy</code>	Maximum pseudolikelihood estimation for survey data
[SVY]	Poststratification	Poststratification for survey data
[P]	<code>_robust</code>	Robust variance estimates
[SVY]	<code>sdr_options</code>	More options for SDR variance estimation
[SVY]	Subpopulation estimation	Subpopulation estimation for survey data
[SVY]	<code>svy</code>	The survey prefix command
[SVY]	<code>svy bootstrap</code>	Bootstrap for survey data
[SVY]	<code>svy brr</code>	Balanced repeated replication for survey data
[SVY]	<code>svy estimation</code>	Estimation commands for survey data
[SVY]	<code>svy jackknife</code>	Jackknife estimation for survey data
[SVY]	<code>svy postestimation</code>	Postestimation tools for svy
[SVY]	<code>svy sdr</code>	Successive difference replication for survey data
[SVY]	<code>svy: tabulate oneway</code>	One-way tables for survey data
[SVY]	<code>svy: tabulate twoway</code>	Two-way tables for survey data
[SVY]	<code>svydescribe</code>	Describe survey data
[SVY]	<code>svymarkout</code>	Mark observations for exclusion on the basis of survey characteristics
[SVY]	<code>svyset</code>	Declare survey design for dataset
[MI]	<code>mi XXXset</code>	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	Causal inference
[U]	Section 27.33	Power, precision, and sample-size analysis
[ST]	PH plots (interval-censored)	PH-assumption plots for interval-censored data

[ST]	PH plots (right-censored)	PH-assumption plots for right-censored data
[ST]	Survival analysis	Introduction to survival analysis commands
[ST]	<i>adjustfor_option</i>	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
[LASSO]	elasticnet	Elastic net for prediction and model selection
[ST]	estat gofplot	Goodness-of-fit plots after streg, stcox, stntreg, stntcox, or stmgintcox
[FMM]	fmm: streg	Finite mixtures of parametric survival models
[LASSO]	lasso	Lasso for prediction and model selection
[ST]	ltable	Life tables for survival data
[ME]	mestreg	Multilevel mixed-effects parametric survival models
[R]	reri	Relative excess risk due to interaction
[ST]	snapshot	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]	sterreg	Competing-risks regression
[ST]	stcurve	Plot the survivor or related function after streg, stcox, and more
[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]	stntcox	Cox proportional hazards model for interval-censored survival-time data
[ST]	stntreg	Parametric models for interval-censored survival-time data
[ST]	stir	Report incidence-rate comparison
[ST]	stmc	Calculate rate ratios with the Mantel–Cox method
[ST]	stmgintcox	Marginal Cox PH model for interval-censored multiple-event data
[ST]	stmh	Calculate rate ratios with the Mantel–Haenszel method
[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
[CAUSAL]	stteffects ipw	Survival-time inverse-probability weighting
[CAUSAL]	stteffects ipwra	Survival-time inverse-probability-weighted regression adjustment

[CAUSAL]	stteffects ra	Survival-time regression adjustment
[CAUSAL]	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
[TS]	dfactor	Dynamic-factor models
[TS]	fcast compute	Compute dynamic forecasts
[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]	ivlpirf	Instrumental-variables local-projection impulse–response functions
[TS]	lpirf	Local-projection impulse–response functions
[TS]	mgarch	Multivariate GARCH models
[TS]	mgarch ccc	Constant conditional correlation multivariate GARCH model
[TS]	mgarch dcc	Dynamic conditional correlation multivariate GARCH model
[TS]	mgarch dvech	Diagonal vech multivariate GARCH model

[TS]	mgarch vcc	Varying conditional correlation multivariate GARCH model
[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 ivsvar	Instrumental-variables structural 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
[TS]	varlmar	LM test for residual autocorrelation
[TS]	varnorm	Test for normally distributed disturbances
[TS]	varsoc	Obtain lag-order selection statistics for VAR and VEC models
[TS]	varstable	Check eigenvalue stability condition
[TS]	varwle	Obtain Wald lag-exclusion statistics
[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 VEC model
[TS]	vecstable	Check the stability condition of VEC model 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]	arfimasoc	Obtain lag-order selection statistics for ARFIMAs
[TS]	arima	ARIMA, ARMAX, and other dynamic regression models
[TS]	arimasoc	Obtain lag-order selection statistics for ARMAs
[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 sbcusum	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

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 symeigen	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 intro	Introduction to Java in Stata
[P]	Java integration	Java integration for 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]	<code>_predict</code> . . .	Obtain predictions, residuals, etc., after estimation programming command
[P]	<code>program properties</code>	Properties of user-defined programs
[RPT]	<code>putdocx begin</code>	Create an Office Open XML (.docx) file
[RPT]	<code>putdocx collect</code>	Add a table from a collection to an Office Open XML (.docx) file
[RPT]	<code>putdocx intro</code>	Introduction to generating Office Open XML (.docx) files
[RPT]	<code>putdocx pagebreak</code>	Add breaks to an Office Open XML (.docx) file
[RPT]	<code>putdocx paragraph</code>	Add text or images to an Office Open XML (.docx) file
[RPT]	<code>putdocx table</code>	Add tables to an Office Open XML (.docx) file
[RPT]	<code>putexcel</code>	Export results to an Excel file
[RPT]	<code>putexcel advanced</code>	Export results to an Excel file using advanced syntax
[D]	<code>putmata</code>	Put Stata variables into Mata and vice versa
[RPT]	<code>putpdf begin</code>	Create a PDF file
[RPT]	<code>putpdf collect</code>	Add a table from a collection to a PDF file
[RPT]	<code>putpdf intro</code>	Introduction to generating PDF files
[RPT]	<code>putpdf pagebreak</code>	Add breaks to a PDF file
[RPT]	<code>putpdf paragraph</code>	Add text or images to a PDF file
[RPT]	<code>putpdf table</code>	Add tables to a PDF file
[P]	<code>PyStata intro</code>	Introduction to using Python and Stata together
[P]	<code>PyStata integration</code>	Call Python from Stata
[P]	<code>PyStata module</code>	Python package <code>pystata</code> to call Stata from Python
[M-5]	<code>Quadrature()</code>	Numerical integration
[P]	<code>_return</code>	Preserve stored results
[P]	<code>_rmcoll</code>	Remove collinear variables
[P]	<code>_robust</code>	Robust variance estimates
[P]	<code>sersset</code>	Create and manipulate sersets
[D]	<code>snapshot</code>	Save and restore data snapshots
[P]	<code>unab</code>	Unabbreviate variable list
[P]	<code>unabcmd</code>	Unabbreviate command name
[D]	<code>unicode collator</code>	Language-specific Unicode collators
[D]	<code>unicode convertfile</code>	Low-level file conversion between encodings
[P]	<code>varabbrev</code>	Control variable abbreviation
[P]	<code>viewsource</code>	View source code
[M-5]	<code>xl()</code>	Excel file I/O class

Special-interest programming commands

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

Projects

[P]	<code>Project Manager</code>	Organize Stata files
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File formats

[P]	File formats .dta	Description of .dta file format
[P]	File formats .dtas	Description of Stata frameset (.dtas) 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 unset	Remove results from a collection
[TABLES]	collect use	Use a collection from disk
[TABLES]	Collection principles	Tags, dimensions, levels, and layout from first principles
[R]	dtable	Create a table of descriptive statistics
[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 <i>t</i> 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]	Example 8	Tables for ANOVA
[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 dtable_style	Default style settings for dtable
[TABLES]	set etable_style	Default style settings for etable
[TABLES]	set table_style	Default style settings for table
[TABLES]	set tabulate_style	Default style settings for tabulate
[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

1PL	one-parameter logistic model
2PL	two-parameter logistic model
2SIV	two-step instrumental variables
2SLS	two-stage least squares
3PL	three-parameter logistic model
3SLS	three-stage least squares
ADF	asymptotic distribution free
ADTE	average direct treatment effect
ADTET	average direct treatment effect with respect to the treated
AFE	attributable fraction among the exposed
AFP	attributable fraction for the population
AFT	accelerated failure time
AIC	Akaike information criterion
AICc	corrected Akaike information criterion
AIDS	almost ideal demand system
AIPW	augmented inverse-probability weights
AITE	average indirect treatment effect
AITEC	average indirect treatment effect with respect to controls
ANCOVA	analysis of covariance
ANOVA	analysis of variance
AP	attributable proportion
APARCH	asymmetric power autoregressive conditional heteroskedasticity
APE	average partial effects
API	application programming interface
APM	alternating projection method
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
ATEU	average treatment effect on the untreated
AUC	area under the curve
AUCPR	area under the precision–recall 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
BMA	Bayesian model averaging
BRR	balanced repeated replication

CA	correspondence analysis
CAIC	consistent Akaike information criterion
CATE	conditional average treatment effect
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
CM	choice models
CMA	cumulative meta-analysis
CMI	conditional mean independence
CMLE	conditional maximum likelihood estimates
CMYK	cyan, magenta, yellow, and key
CPMP	cumulative posterior model probability
CRD	cluster randomized design
CRE	correlated random effects
CRT	cluster randomized trial
CRVE	cluster-robust variance estimator
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
DGM	data-generating mechanism
DGP	data-generating process
DIB	Device-Independent Bitmap
DIC	deviance information criterion
DID	difference in differences
DIF	differential item functioning
DLL	dynamic-link library
DMC	Data Monitoring Committee
DML	double machine learning
DPD	dynamic panel data
DSGE	dynamic stochastic general equilibrium
DSMB	Data and Safety Monitoring Board
DSMC	Data and Safety Monitoring Committee
EB	empirical Bayes
EBCDIC	extended binary coded decimal interchange code
EE	estimating equation
EGARCH	exponential GARCH

EGLS	estimated generalized least squares
EIM	expected information matrix
EM	expectation maximization
EMF	Enhanced Metafile
EPS	Encapsulated PostScript
ERM	extended regression model
ERR	excess relative risk
ESS	effective sample size
ESS	error sum of squares
ESS	expected sample size
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
FIPS	Federal Information Processing Standard
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
FSD	fixed-sample design
GARCH	generalized autoregressive conditional heteroskedasticity
GBM	gradient boosting machine
GATE	group average treatment effect
GATES	sorted group average treatment effect
GEE	generalized estimating equations
GEV	generalized extreme value
GHK	Geweke–Hajivassiliou–Keane
GHQ	Gauss–Hermite quadrature
GIF	Graphics Interchange Format
GIS	geographic information system
GLIM	generalized linear interactive modeling
GLLAMM	generalized linear latent and mixed models
GLM	generalized linear models
GLME	generalized linear mixed effects
GLMM	generalized linear mixed model
GLS	generalized least squares
GMM	generalized method of moments
GPCM	generalized partial credit model
GRM	graded response model
GRT	group randomized trial
GS2SLS	generalized spatial two-stage least squares
GSEM	generalized structural equation modeling/model
GSD	group sequential design
GUI	graphical user interface
HAC	heteroskedasticity- and autocorrelation-consistent
HPD	highest posterior density
HPM	highest probability model
HQIC	Hannan–Quinn information criterion

HR	hazard ratio
HSB	hue, saturation, and brightness
HSL	hue, saturation, and luminance
HSV	hue, saturation, and value
HTML	hypertext markup language
IATE	individualized average treatment effect
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
ICE	individual conditional expectation
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
IQR	inverse quantile regression
IR	incidence rate
IRD	incidence-rate difference
IRF	impulse–response function
IRLS	iterated, reweighted least squares
IRR	incidence-rate ratio
IRT	item response theory
IV	instrumental variables
IVQR	instrumental-variables quantile regression
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
KNN	k th nearest neighbor
KMO	Kaiser–Meyer–Olkin
LAPACK	linear algebra package
LASSO	least absolute shrinkage and selection operator
LAV	least absolute value
LCA	latent class analysis
LDA	linear discriminant analysis
LES	linear expenditure system
LIML	limited-information maximum likelihood
LM	Lagrange multiplier
LME	linear mixed effects
LMR	Lo–Mendell–Rubin
LOO	leave one out
LOWESS	locally weighted scatterplot smoothing
LPS	log predictive-score
LR	likelihood ratio
LSB	least-significant byte

MA	moving average
MAD	minimum absolute deviation
MAE	mean absolute error
MANCOVA	multivariate analysis of covariance
MANOVA	multivariate analysis of variance
MAR	missing at random
MC3	Markov chain Monte Carlo model composition
MCA	multiple correspondence analysis
MCAGHQ	mode-curvature adaptive Gauss–Hermite quadrature
MCAR	missing completely at random
MCC	Matthews correlation coefficient
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
MH	Metropolis–Hastings
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	machine learning
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
MPM	median probability model
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
NaN	not a number
NARCH	nonlinear ARCH
NDE	natural direct effect
NHANES	National Health and Nutrition Examination Survey
NIE	natural indirect effect
NLME	nonlinear mixed effects
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
OVO	one versus one
OVR	one versus rest
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
PDP	partial dependence plot
PFE	prevented fraction among the exposed
PFP	prevented fraction for the population
PH	proportional hazards
PIP	posterior inclusion probability
pk	pharmacokinetic data
p.m.f.	probability mass function
PMM	predictive mean matching
PMP	posterior model probability
PNG	Portable Network Graphics
PNIE	pure natural indirect effect
PO	partialing out
POM	potential-outcome means
PPP	posterior predictive p -value
PrSS	precision and sample size
PS	PostScript
PSS	power and sample size
PSU	primary sampling unit
QC	quality control
QDA	quadratic discriminant analysis
QML	quasimaximum likelihood
QUAIDS	quadratic almost ideal demand system
RA	regression adjustment
rc	return code
RCT	randomized controlled trial
RE	random effects
REML	restricted (or residual) maximum likelihood
RERI	relative excess risk due to interaction
RESET	regression specification-error test
RF	random forest
RGB	red, green, and blue
RMSE	root mean squared error
RMSEA	root mean squared error of approximation
RMSLE	root mean squared logarithmic error
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
SBIC	Schwarz's Bayesian information criterion
SCI	simultaneous confidence interval
s.d.	standard deviation
SDR	successive difference replication
SE / s.e.	standard error
SEE	smoothed estimation equations
SEM	structural equation modeling/model
SF	static factor
SFAR	static factors with vector autoregressive errors
SHAP	Shapley additive explanation values
SI	synergy index
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
STS	structural time series
SUR	seemingly unrelated regression
SURE	seemingly unrelated regression estimation
SUTVA	stable unit treatment value assumption
SVAR	structural vector autoregressive
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
TE	total effect
TET	treatment effect on the treated
TEU	treatment effect on the untreated
TIF	test information function

TIFF	tagged image file format
TLI	Tucker–Lewis index
TNDE	total natural direct effect
TSS	total sum of squares
TWFE	two-way fixed effects
UCA	Unicode Collation Algorithm
UCM	unobserved-components model
UI	user interface
UTF-8	Universal character set + Transformation Format—8-bit
VAR	vector autoregressive
VAR(1)	first-order vector autoregressive
VARMA	vector autoregressive moving average
VARMA(1,1)	first-order vector autoregressive moving average
VCE	variance–covariance estimate
VEC	vector error correction
VECM	vector error-correction model
VIF	variance inflation factor
VLMR	Vuong–Lo–Mendell–Rubin
WCB	wild cluster bootstrap
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

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Durbin, J., [R] **ivregress postestimation**, [R] **regress postestimation time series**, [TS] **estat sbcsum**, [TS] **prais**, [TS] **ucm**, [TS] **Glossary**

Duren, P., [R] **regress**

Durlauf, S. N., [BMA] **Intro**, [TS] **vec intro**, [TS] **vec**, [TS] **vecrank**

Dutcus, C., [ADAPT] **gsdesign logrank**

Duval, R. D., [R] **bootstrap**, [R] **jackknife**, [R] **rocreg**, [R] **rocregplot**

Duval, S., [META] **Intro**, [META] **meta**, [META] **meta funnelplot**, [META] **meta bias**, [META] **meta trimfill**

Dwivedi, D., [R] **reri**

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Earnest, A., [PSS-2] **power**, [R] **ci**, [R] **ttest**, [ST] **stcox**, [XT] **xtgee**

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Eberhardt, M., [XT] **xtrc**

Eberly, L. E., [BAYES] **Intro**

Ecker, J. L., [ADAPT] **gsdesign twoproportions**

Ecob, R., [MI] **mi estimate**

Eddings, W. D., [MI] **mi impute**

Edelsbrunner, H., [MV] **cluster**

Ederer, F., [ST] **ltable**

Edgington, E. S., [R] **runtest**

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Edwards, A. W. F., [R] **tetrachoric**

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Edwards, J. H., [R] **tetrachoric**

Efron, B., [BAYES] **bayesselect**, [H2OML] **Intro**, [R] **bootstrap**, [R] **qreg**

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Eichenbaum, M., [TS] **irf create**, [TS] **var svar**

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Eicher, T. S., [BMA] **Intro**, [BMA] **bmaregress**

Eigenbrode, S., [ERM] **eregress**

Eisenberg, M. D., [CAUSAL] **didregress postestimation**

Eisenhart, C., [R] **correlate**, [R] **runtest**

El-Sayed, Y. Y., [ADAPT] **gsdesign twoproportions**

Elashoff, J. D., [ME] **mixed**

Elbakidze, L., [ERM] **eregress**

Elghafghuf, A., [ME] **meintreg**

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Elliott, G. R., [TS] **dfigs**, [TS] **Glossary**

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Ellis, P. D., [R] **esize**, [R] **regress postestimation**

Ellis, S. H., [META] **Intro**, [META] **meta forestplot**

Elsken, T., [H2OML] **Intro**

Elston, D. A., [ME] **mixed**

Eltinge, J. L., [R] **test**, [SVY] **Survey**, [SVY] **estat**, [SVY] **svy postestimation**, [SVY] **svydescribe**, [SVY] **Variance estimation**

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Emsley, R., [CAUSAL] **mediate**, [CAUSAL] **teffects intro**, [CAUSAL] **teffects multivalued**

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Engel, A., [G-3] **colorvar_options**, [R] **boxcox**, [R] **dtable**, [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 unget**, [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**, [TABLES] **Example 8**

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- Flaen, A., [D] **merge**
- Flahault, A., [CAUSAL] **Intro**
- Flannery, B. P., [FN] **Statistical functions**, [G-2] **graph twoway contour**, [M-5] **solvenl()**, [P] **matrix symeigen**, [R] **dydx**, [R] **nl**
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- Fouladi, R. T., [R] **esize**
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- Lachenbruch, P. A., [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim lda**, [R] **Diagnostic plots**
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- Lafontaine, F., [R] **boxcox**
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- Lai, K. S., [TS] **dfgls**
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- Lalanne, C., [R] **anova**, [R] **logistic**
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- Langlois, P. H., [R] **rerri**
- Lanza, S. T., [FMM] **Example 3**
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- Larcker, D. F., [CAUSAL] **didregress postestimation**
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- Louzada, F., [BMA] **Intro**, [BMA] **bmaregress**
- Love, I., [TS] **var**
- Lovelace, L., [M-2] **Intro**
- Lovell, C. A. K., [R] **frontier**, [R] **frontier postestimation**, [XT] **xtfrontier**
- Lovie, A. D., [R] **spearman**
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- Lu, B., [XT] **xtvar**, [XT] **xtvar postestimation**
- Lu, G., [META] **meta mvregress**
- Lu, H.-M., [TS] **mswitch**
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- Lu, X., [R] **npregress kernel**
- Lucas, H. L., [R] **pkcross**
- Luce, R. D., [CM] **cmrologit**
- Luchman, J. N., [R] **stepwise**
- Luckman, B., [MV] **screeplot**
- Ludden, T. M., [ME] **menl**
- Ludwig, J., [ST] **sterreg**
- Luedicke, J., [CM] **cmmprobit**, [R] **gmm**
- Lukácsy, K., [FN] **Random-number functions**
- Lukic, A. S., [ADAPT] **gsdesign twomeans**
- Lumley, T. S., [META] **Intro**, [META] **meta**, [META] **meta summarize**, [MV] **factor**, [MV] **pca**, [PSS-2] **power twomeans**, [PSS-2] **power oneway**, [PSS-2] **power twoway**, [R] **anova**, [R] **dstdize**, [R] **oneway**, [U] **20.26 References**
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- Lunt, M., [CAUSAL] **teffects multivalued**, [R] **slogit**
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- Maris, G., [IRT] **irt 3pl**
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- Martínez, O., [R] **nbreg** postestimation, [R] **poisson** postestimation, [R] **zinb** postestimation, [R] **zip** postestimation
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- Meeker, W. Q., [PSS-3] **Intro (ciwidth)**, [PSS-3] **ciwidth onemean**
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- Mehmetoglu, M., [MV] **manova**, [R] **anova**, [R] **logistic**, [R] **regress**, [R] **test**, [R] **ttest**
- Mehrotra, S., [M-5] **LinearProgram()**
- Mehta, C. R., [ADAPT] **Intro**, [R] **xlogistic**, [R] **xlogistic postestimation**, [R] **expoisson**, [R] **tabulate twoway**
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- Melse, E., [G-2] **graph combine**, [G-2] **graph twoway scatter**
- Melson, A., [META] **meta meregress**, [META] **meta multilevel**
- Mendell, N. R., [FMM] **lcstats**, [SEM] **lcstats**
- Mendenhall, W., III, [SVY] **Survey**
- Meng, Q., [H2OML] **Intro**
- Meng, X.-L., [BAYES] **Intro**, [BAYES] **bayesstats ppvalues**, [BAYES] **bayespredict**, [MI] **Intro substantive**, [MI] **mi estimate**, [MI] **mi impute**, [MI] **mi test**
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- Mentré, F., [ME] **menl**
- Mergoupis, T., [CAUSAL] **etregress**, [CAUSAL] **teffects intro advanced**
- Merryman, S., [XT] **xtunitroot**
- Mertens, K., [TS] **var ivsvar**
- Mesbah, M., [R] **anova**, [R] **logistic**
- Messner, S. F., [SP] **estat moran**, [SP] **spregress**, [SP] **spxtregress**
- Mészáros, C., [M-5] **LinearProgram()**
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- Meulders, M., [CM] **Intro 6**, [MI] **Intro substantive**, [MI] **mi impute**
- Meuser, C., [ADAPT] **gsdesign twomeans**
- Meyer, B. D., [ST] **Discrete**
- Meyerhoefer, C. D., [R] **demandsys**
- Miao, W., [R] **sdtest**
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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**
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- Michiels, S., [LASSO] **lasso postestimation**
- 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**

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- Mihaly, K., [R] **areg**, [XT] **xtreg**
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- Miller, J. J., [META] **meta data**, [META] **meta summarize**
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[R] **contrast**, [R] **margins**, [R] **pwcompare**
- Mills, E., [ADAPT] **gsdesign twoproportions**
- Milosevic, M., [ST] **stcrreg**, [ST] **sterreg postestimation**
- Min, C., [BAYES] **Intro**, [BMA] **Intro**
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[R] **logistic**, [R] **logistic postestimation**, [R] **logit**,
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- Mitchell, W. C., [TS] **tsfilter**, [TS] **tsfilter bk**, [TS] **tsfilter bw**, [TS] **tsfilter cf**, [TS] **tsfilter hp**, [TS] **ucm**
- Mitra, G., [M-5] **LinearProgram()**
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- Moffitt, R. A., [R] **tobit**, [R] **tobit postestimation**
- Mohanty, B. P., [R] **reri**
- Moher, D., [META] **Intro**, [META] **meta forestplot**,
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- Mol, C. D., [LASSO] **lasso**
- Molenaar, I. W., [IRT] **irt**, [SEM] **Example 28g**
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[ME] **mixed**, [META] **meta meregress**, [XT] **xtreg postestimation**
- Moler, C. B., [P] **matrix symeigen**
- Molina, G., [BMA] **bmaregress**
- Molina, J. A., [R] **demandsys**
- Møller, A. P., [META] **meta**
- Mollisi, V., [XT] **xtfrontier**
- Molloy, G. J., [META] **meta data**
- Molnar, C., [H2OML] **h2omlgraph shapvalues**
- 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**
- Monreale, A., [H2OML] **Intro**
- Monshouer, K., [MV] **mvtest**
- Monson, R. R., [R] **Epitab**
- Montanari, A., [LASSO] **Lasso intro**
- Montes-Rojas, G., [CAUSAL] **teffects psmatch**,
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[XT] **xtreg postestimation**
- Montgomery, D. C., [TS] **tssmooth**, [TS] **tssmooth dexponential**, [TS] **tssmooth exponential**,
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- Montiel Olea, J. L., [TS] **lpirf**, [TS] **var ivsvar**
- Montori, V. M., [ADAPT] **gsdesign twoproportions**
- Montoya, D., [R] **rocreg**, [R] **rocreg postestimation**,
[R] **rocregplot**
- Mood, A. M., [R] **centile**
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[R] **regress**
- Moon, H. R., [XT] **xtcointtest**, [XT] **xtunitroot**
- Mooney, C. Z., [R] **bootstrap**, [R] **jackknife**, [R] **rocreg**,
[R] **rocregplot**
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- Moral-Benito, E., [BMA] **Intro**, [BMA] **bmaregress**,
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 Mueller, R. O., [MV] **discrim lda**
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 Müller, D., [SP] **Intro**
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 Mundlak, Y., [CAUSAL] **hdidregress**, [CAUSAL] **xthdidregress**, [XT] **xtivreg**, [XT] **xtreg**, [XT] **xtreg postestimation**, [XT] **xtregar**
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 Muriel, A., [R] **logistic**, [R] **logit**
 Muro, J., [R] **heckoprobit**, [R] **heckoprobit**
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 Murphy, J. L., [XT] **xtprobit**
 Murphy, R. S., [SVY] **Survey**, [SVY] **svy estimation**
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 Nadle, J., [D] **icd10**
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- Nam, J., [PSS-2] **power cmh**, [PSS-2] **power trend**
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- Nardi, G., [R] **Epitab**
- Narendranathan, W., [XT] **xtregar**
- Narisetty, N. N., [BAYES] **bayesselect**
- Narula, S. C., [R] **qreg**
- Nash, S., [PSS-2] **Intro (power)**
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- National Research Council, [META] **meta trimfill**
- Nattino, G., [R] **estat gof**
- Navarro Alberto, J. A., [MV] **discrim qda postestimation**
- Navarro-Lozano, S., [CAUSAL] **teffects intro advanced**
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- Neale, M. C., [SEM] **Example 30g**
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- Nee, J. C. M., [R] **kappa**
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- Nelson, D. B., [R] **demandsys**, [TS] **arch**, [TS] **arima**, [TS] **mgarch**
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- Nett, L. M., [META] **meta mvregress**
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- 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] **xtoprobit**, [XT] **xtprobit**
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- Newberger, N., [R] **heckman**
- Newbold, P., [BMA] **Intro**, [TS] **arima**, [TS] **vec intro**
- Newcomb, S., [BAYES] **bayespredict**
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- Nguyen, T. Q., [CAUSAL] **mediate**
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- Nie, X., [CAUSAL] **Intro**, [CAUSAL] **cate**
- Nielsen, B., [TS] **varsoc**, [TS] **vec intro**
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- Nijenhuis, J. W., [R] **oprobit**
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- Nogueras, G. M., [ST] **stcox**
- Nolan, D., [R] **Diagnostic plots**
- Nordlund, D. J., [MV] **discrim lda**
- Norman, R. E., [META] **meta esize**, [META] **meta**
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[R] **ivregress**, [R] **nbreg**, [R] **poisson**, [R] **qreg**,
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- Norton, S. J., [R] **rocreg**, [R] **rocreg postestimation**,
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- Nyaga, V. N., [META] **meta esize**
- Nyhan, B., [BMA] **Intro**
- Nyquist, H., [LASSO] **elasticnet**
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- O'Brien, K. L., [R] **prtest**
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[ADAPT] **gsdesign onemean**, [ADAPT] **gsdesign**
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[ADAPT] **gsdesign twoproportions**,
[ADAPT] **gsdesign logrank**, [ADAPT] **gsdesign**
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- O'Brien, R. G., [PSS-2] **power oneway**
- O'Brien, S. M., [CAUSAL] **stteffects intro**,
[CAUSAL] **stteffects ipw**, [CAUSAL] **stteffects**
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[CAUSAL] **stteffects ra**, [CAUSAL] **stteffects wra**
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- O'Connell, P. G. J., [XT] **xtunitroot**
- O'Connell, R. T., [TS] **tssmooth**, [TS] **tssmooth**
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[TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**
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- 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**
- O'Neill, S., [R] **Inequality**
- O'Rourke, K., [META] **meta labbeplot**
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- Oakes, D., [ST] **ltable**, [ST] **PH plots (right-censored)**,
[ST] **stcox**, [ST] **streg**, [ST] **sts**
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- Oberhofer, W., [R] **demandsys**
- Obstfeld, M., [XT] **xtunitroot**
- Ochiai, A., [MV] **measure_option**
- Ockenhouse, C. F., [ADAPT] **gsdesign usermethod**
- Odell, P. M., [ST] **stintcox**, [ST] **stintreg**, [ST] **stmgintcox**
- Odondi, L., [ADAPT] **Intro**
- Odum, E. P., [MV] **clustermat**
- Oehlert, G. W., [R] **nlcom**, [R] **rocreg postestimation**,
[R] **rocregplot**
- Ogburn, E. L., [CAUSAL] **mediate**
- Oggenfuss, C., [CAUSAL] **didregress postestimation**
- Ogilvy, C. S., [ADAPT] **gs**
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- Olivier, D., [R] **expoisson**
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[META] **meta mvregress**, [MV] **hotelling**,
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- Olson, M., [H2OML] **Intro**
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- 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] **spearman**, [R] **summarize**, [R] **total**,
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- Oski, J., [R] **prtest**
- Osterlind, S. J., [IRT] **DIF**
- Osterwald-Lenum, M. G., [TS] **vecrank**
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- Overgaard, M., [R] **jackknife**, [ST] **stcox**
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- Pacifico, D., [R] **roctab**
- Paelinck, B., [ADAPT] **gsdesign twoproportions**
- Pagan, A. R., [MV] **mvreg**, [R] **frontier**, [R] **hetregress**, [R] **regress postestimation**, [R] **sureg**, [TS] **Glossary**, [XT] **xtreg postestimation**
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- Panneton, F., [FN] **Random-number functions**, [R] **set rngstream**
- Pantazis, N., [ME] **meglm**, [ME] **mixed**
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- Papke, L. E., [R] **fracreg**, [R] **ivfprobit**
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- Parham, R., [R] **eivreg**, [R] **gmm**
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[R] **rocreg postestimation**, [R] **rocregplot**,
[R] **roctab**, [ST] **sterreg**
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[XT] **xtcointtest**, [XT] **xtunitroot**, [XT] **xtvar**
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[PSS-2] **power twoproportions**, [R] **symmetry**,
[ST] **ltable**, [ST] **streg**
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- Sohn, I., [LASSO] **lasso examples**
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- Soloaga, I., [R] **Inequality**
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- Spiegelhalter, D. J., [BAYES] **bayesstats ic**, [META] **meta summarize**, [R] **brier**
- Spieldman, R. S., [R] **symmetry**
- Spieß, J., [CAUSAL] **DID intro**, [CAUSAL] **hdidregress**
- Spießens, B., [ME] **me**, [ME] **melogit postestimation**
- Spindler, M., [LASSO] **Lasso inference intro**, [LASSO] **poivregrss**, [LASSO] **poregress**
- Spinelli, D., [P] **matrix define**, [R] **glm**, [SP] **Intro**, [ST] **stcox postestimation**
- Spitzer, J. J., [R] **boxcox**
- Spizzichino, F., [BAYES] **Intro**
- Splawa-Neyman, J., [CAUSAL] **Intro**
- Sprent, P., [R] **ranksum**, [R] **signrank**
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- Staelin, R., [CM] **Intro 6**, [CM] **cmrologit**
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- Stahl, D., [MV] **cluster**, [MV] **cluster stop**
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- Stalpers, L. J. A., [ST] **sts**
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- Stangl, D. K., [BAYES] **Intro**
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- Steichen, T. J., [D] **duplicates**, [META] **meta**, [META] **meta bias**, [META] **meta trimfill**, [R] **sunflower**
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- Steinberg, L., [IRT] **irt grm**
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- Walker, A. M., [R] **Epitab**, [R] **rer**
- 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., [ADAPT] **GSD intro**, [R] **kwallis**
- Walsh, B., [R] **Inequality**
- Walstrum, T., [CAUSAL] **etregress**
- Walters, E. H., [META] **meta data**
- Walters, S. J., [PSS-2] **power onemean**, **cluster**,
[PSS-2] **power twomeans**, **cluster**, [PSS-2] **power**
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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, C. C. Y., [CAUSAL] **didregress postestimation**
- Wang, D., [R] **frontier**, [XT] **xtfrontier**
- Wang, E., [ADAPT] **gsdesign onemean**
- Wang, G., [ADAPT] **gsdesign logrank**
- Wang, H., [ADAPT] **gsdesign oneproportion**,
[PSS-2] **Intro (power)**, [PSS-2] **power onemean**,
[PSS-2] **power twomeans**, [PSS-2] **power**
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[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., [ADAPT] **gsdesign logrank**
- Wang, J.-L., [ST] **sts graph**
- Wang, J. W., [ST] **streg**
- Wang, K. S., [ADAPT] **gsdesign twoproportions**
- Wang, L., [H2OML] **h2omlgraph varimp**,
[LASSO] **sqrtllasso**, [ST] **stintcox**
- Wang, N., [META] **Intro**
- Wang, Q., [R] **ivregress**, [TS] **arima**, [TS] **newey**
- Wang, S., [H2OML] **Intro**, [R] **ivregress postestimation**

- Wang, S. K., [ADAPT] **GSD intro**, [ADAPT] **gs**, [ADAPT] **gsbounds**, [ADAPT] **gsdesign**, [ADAPT] **gsdesign onemean**, [ADAPT] **gsdesign twomeans**, [ADAPT] **gsdesign oneproportion**, [ADAPT] **gsdesign twoproportions**, [ADAPT] **gsdesign logrank**, [ADAPT] **gsdesign usermethod**
- Wang, T., [H2OML] **Intro**
- Wang, X., [ADAPT] **gsdesign onemean**, [PSS-2] **power**
- Wang, Y., [CM] **emmprob**, [LASSO] **Lasso intro**, [TS] **var**, [TS] **vargranger**
- Wang, Z., [R] **Epitab**, [R] **logistic postestimation**
- Ward, B. W., [R] **ci**
- Ward, J. H., Jr., [MV] **cluster**, [MV] **cluster linkage**
- Ware, J. H., [ME] **me**, [ME] **meglm**, [ME] **melogit**, [ME] **meoprob**, [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**
- Warn, D. E., [META] **Intro**, [META] **meta meregress**, [META] **meta multilevel**
- Warren, K., [R] **Epitab**
- Warton, D. I., [BMA] **Intro**
- Wasi, N., [D] **merge**
- Wason, J. M. S., [ADAPT] **Intro**, [ADAPT] **gs**, [PSS-2] **power repeated**, [PSS-2] **power oneslope**
- Wasserman, L., [BMA] **Intro**, [BMA] **bmaregress**
- Wasserstein, R. L., [U] **20.26 References**
- Wassmer, G., [ADAPT] **GSD intro**, [ADAPT] **gsbounds**
- 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 ivsvar**, [TS] **var svar**, [TS] **vec intro**, [TS] **vec**, [TS] **vecrank**, [XT] **xtcloglog**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xtreg**, [XT] **xtstreg**
- Watterberg, K. L., [ADAPT] **gsdesign twoproportions**
- Waugh, F. V., [CAUSAL] **Intro**
- Wax, J. R., [ADAPT] **gsdesign twoproportions**
- Weatherholt, R., [R] **prtest**
- Webb, M. D., [CAUSAL] **DID intro**, [CAUSAL] **didregress**, [R] **bootstrap**, [R] **regress**, [R] **wildbootstrap**
- 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**
- Weeks, M., [BMA] **bmastats jointness**
- 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] **tabstat**, [R] **tetrachoric**, [SEM] **Acknowledgments**, [ST] **stsplit**
- Wei, H., [M-5] **LinearProgram()**
- Wei, L., [ME] **mixed**
- Wei, L. J., [P] **_robust**, [ST] **stcox**, [ST] **stcrreg**, [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] **dslogit**, [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**
- Weinreb, M. D., [P] **levelsof**, [RPT] **putdocx begin**, [RPT] **putpdf begin**
- Weir, C. J., [ADAPT] **Intro**
- 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**
- Weisstein, E. W., [R] **rocreg postestimation**
- Welch, B. L., [CAUSAL] **cate postestimation**, [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**, [ST] **stmgintcox**
- Wells, K. B., [R] **lincom**, [R] **mlogit**, [R] **mprobit**, [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()**
- Wen, C.-C., [ST] **stmgintcox**
- Wenfeng, L., [ADAPT] **gsdesign onemean**
- Werler, M. M., [R] **rer**

- Wernow, J. B., [D] **destring**
- Wessells, C. R., [R] **demandsys**
- Wessels, L. F. A., [LASSO] **lasso**
- West, B. T., [ME] **estat wcorrelation**, [ME] **mixed**, [SVY] **Survey**, [SVY] **estat**, [SVY] **Subpopulation estimation**
- West, K. D., [BMA] **Intro**, [R] **cfprobit**, [R] **cfregress**, [R] **glm**, [R] **gmm**, [R] **ivregress**, [TS] **ivlpirf**, [TS] **lpirf**, [TS] **newey**, [TS] **pperron**, [TS] **var ivsvar**, [XT] **xtcointtest**, [XT] **xtunitroot**
- West, M., [BAYES] **Intro**, [BAYES] **bayesstats 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**
- Weyer, P. J., [R] **rer**
- Weyl, H. K. H., [M-5] **svd()**
- Wharton, K. R., [ADAPT] **gsdesign twoproportions**
- Wheaton, B., [SEM] **Example 9**
- Wheeler, G. M., [ADAPT] **Intro**
- Whelton, P. K., [PSS-2] **power repeated**
- Whinston, M. D., [R] **demandsys**
- 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] **xheckman**, [XT] **xtivreg**
- White, I. R., [META] **meta**, [META] **meta mvregress**, [META] **estat heterogeneity (mv)**, [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**, [PSS-2] **Intro (power)**, [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, R. N., [H2OML] **Intro**
- 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**
- Whitemore, G. A., [ST] **PH plots (right-censored)**
- 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**
- Whittemore, A. S., [PSS-2] **power logistic onebin**, [PSS-2] **power logistic twobin**, [PSS-2] **power logistic general**
- 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**
- Wieland, J. F., [TS] **var ivsvar**
- Wiemann, T., [CAUSAL] **telasso**, [LASSO] **Lasso intro**, [R] **regress**
- 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**
- Wilhelm, D., [R] **eivreg**, [R] **lpoly**, [R] **makespline**, [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**
- Wilkinson, M., [ADAPT] **gsdesign twomeans**
- 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] **xtddp**, [XT] **xtddpsys**
- Williams, T. O., Jr., [SEM] **Example 2**
- Williams, W. T., [MV] **cluster**
- Williamson, E. J., [CAUSAL] **teffects psmatch**

- 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 icc**, [IRT] **diflogistic**, [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] **xtddpd**, [XT] **xtddpsys**, [XT] **xtvar**
- 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., [CAUSAL] **DID intro**, [CAUSAL] **didregress**
- Wingood, G. M., [R] **nbreg**, [R] **poisson**
- Winkelmann, R., [ME] **menbreg**, [R] **cpoisson**, [R] **ologit**, [XT] **xtlogit**
- Winkler, R. L., [BMA] **Intro**
- 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 dexpontential**, [TS] **tssmooth exponential**, [TS] **tssmooth hwinters**, [TS] **tssmooth shwinters**
- Wintle, B. A., [BMA] **Intro**
- Wise, D. A., [CAUSAL] **telasso**, [R] **ivqregress**
- Wish, M., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
- Wishart, J., [FN] **Statistical functions**
- Witten, D., [H2OML] **Intro**
- Wittes, J., [PSS-2] **power**
- Wodtke, G. T., [CAUSAL] **mediate**, [CAUSAL] **teffects intro**
- Wolf, M., [R] **test**
- Wolfe, F., [D] **ds**
- Wolfe, R. A., [ST] **stintcox**, [ST] **stintreg**, [ST] **stmgintcox**
- Wolfinger, R. D., [ME] **me**, [ME] **menl**
- Wolfowitz, J., [TS] **varwle**
- Wolfram, S., [ME] **meglm postestimation**, [ST] **streg**
- Wolfson, C., [R] **kappa**
- Wolfson, J., [CAUSAL] **cate**, [CAUSAL] **telasso**
- Wolk, A., [R] **Epitab**
- Wolkewitz, M., [D] **icd10**
- Wolpert, D. H., [BMA] **Intro**
- Wolpert, R. L., [BAYES] **Intro**
- Wolpin, K. I., [CM] **cmmprobit**
- Wolter, K. M., [SVY] **Survey**, [SVY] **svy brr**, [SVY] **Variance estimation**
- Wolter, S. C., [CAUSAL] **didregress postestimation**
- 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**
- Wood, S. N., [BMA] **Intro**
- 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., [CAUSAL] **Intro**, [CAUSAL] **DID intro**, [CAUSAL] **didregress**, [CAUSAL] **eteffects**, [CAUSAL] **etregress**, [CAUSAL] **hdidregress**, [CAUSAL] **stteffects intro**, [CAUSAL] **stteffects ipw**, [CAUSAL] **stteffects ipwra**, [CAUSAL] **stteffects postestimation**, [CAUSAL] **stteffects ra**, [CAUSAL] **stteffects wra**, [CAUSAL] **teffects intro advanced**, [CAUSAL] **teffects aipw**, [CAUSAL] **teffects multivalued**, [CAUSAL] **teffects ra**, [CAUSAL] **xthdidregress**, [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] **cfprobit**, [R] **cfregress**, [R] **churdle**, [R] **fracreg**, [R] **gmm**, [R] **heckoprobit**, [R] **intreg**, [R] **ivfprobit**, [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**, [SEM] **estat mindices**, [SEM] **estat scoretests**, [SEM] **Methods and formulas for sem**, [TS] **arch**, [TS] **mgarch**, [TS] **mgarch dveh**, [TS] **prais**, [XT] **xt**, [XT] **xtcloglog**, [XT] **xheckman**, [XT] **xtivreg**, [XT] **xtlogit**, [XT] **xtologit**, [XT] **xtoprobit**, [XT] **xtpoisson**, [XT] **xtprobit**, [XT] **xreg**, [XT] **xreg postestimation**, [XT] **xtstreg**, [XT] **xtvar**
- Woolf, B., [R] **Epitab**
- Woolson, R. F., [PSS-2] **power cmh**
- Wooster, D., [META] **Intro**
- Working, H., [R] **demandsys**, [R] **roccomp**, [R] **rocfit**, [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] **xthtaylor**, [XT] **xtvar**
 Wright, J. T., [R] **binreg**
 Wright, J. T., Jr., [PSS-2] **power repeated**
 Wright, M. N., [H2OML] **h2oml**
 Wright, P. G., [R] **ivregress**
 Wright, S., [CAUSAL] **Intro**
 Wright, S. J., [M-5] **LinearProgram()**
 Wu, A. W., [IRT] **irt**
 Wu, C. F. J., [R] **qreg**, [R] **wildbootstrap**, [SVY] **svy bootstrap**, [SVY] **Variance estimation**
 Wu, D.-M., [R] **ivregress postestimation**
 Wu, N., [R] **ivregress**, [TS] **arma**, [TS] **newey**
 Wu, P. X., [XT] **xregar**
 Wu, S., [H2OML] **Intro**, [H2OML] **h2omlgraph ice**, [H2OML] **h2omlgraph pdp**, [XT] **xtunitroot**
 Wu, X., [ADAPT] **gsdesign onemean**
 Wu, Y.-J., [ST] **stmgintcox**
 Wüest, R. O., [BMA] **Intro**
 Wui, Y.-S., [META] **Intro**
 Wulff, J. N., [R] **churdle**, [R] **fracreg**
 Wursten, J., [D] **joinby**, [D] **merge**, [XT] **xtcointtest**, [XT] **xtreg**, [XT] **xtregar**
 Wüthrich, K., [R] **ivqregress**
 Wyner, A. J., [H2OML] **Intro**
 Wynn, A. H. A., [BAYES] **bayesmh**

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Xia, Y., [R] **zinb**, [R] **zioprobit**, [R] **zip**
 Xiao, C., [ADAPT] **gsdesign logrank**
 Xiao, F., [CM] **Intro 4**
 Xiao, J., [XT] **xtcointtest**
 Xiao, T., [ST] **PH plots (right-censored)**
 Xiao, Z., [R] **QC**, [R] **sktest**
 Xie, T., [PSS-2] **power logrank**, **cluster**
 Xie, Y., [R] **logit**, [R] **probit**
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[BAYES] **bayes: xtmlogit**, [CM] **cmlogit**,
[CM] **cmmixlogit**, [CM] **cmxtmixlogit**,
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[ME] **metobit**

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[BAYES] **bayes: heckman**,
[BAYES] **bayes: hetregress**,
[BAYES] **bayes: intreg**, [BAYES] **bayes: qreg**,
[BAYES] **bayes: regress**, [BAYES] **bayes: tobit**,
[BAYES] **bayes: truncreg**, [BAYES] **bayes: var**,
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[ME] **meintreg**, [ME] **menl**, [ME] **metobit**,
[ME] **mixed**

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[CAUSAL] **xthdidregress**, [ERM] **eintreg**,
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[XT] **xthtaylor**, [XT] **xtintreg**, [XT] **xtivreg**,
[XT] **xtpcse**, [XT] **xtreg**, [XT] **xtregar**,
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[BAYES] **bayes: mepoisson**, [ME] **menbreg**,
[ME] **mepoisson**

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[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**,
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[BAYES] **bayes: tpoisson**,
[BAYES] **bayes: xtpoisson**, [BAYES] **bayes: zip**,
[CAUSAL] **etpoisson**, [FMM] **fmm**,
[FMM] **fmm: poisson**, [FMM] **fmm: tpoisson**,
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 [CAUSAL] **teffects nnmatch**,
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 [BAYES] **bayes: xtologit**,
 [BAYES] **bayes: zologit**, [FMM] **fmm**,
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 [BAYES] **bayes: meoprobit**, [ME] **meologit**,
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 [BAYES] **bayes: oprobit**,
 [BAYES] **bayes: xtoprobit**,
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