

Combined subject table of contents

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

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Programming

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Commonly used programming commands
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Getting started

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

Data manipulation and management

Basic data commands

[D]	codebook	Describe data contents
[D]	data management	Introduction to data management commands
[D]	data types	Quick reference for data types
[D]	datetime	Date and time values and variables
[D]	describe	Describe data in memory or in file
[D]	edit	Browse or edit data with Data Editor
[D]	format	Set variables' output format
[D]	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

[FN]	Date and time functions	
[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	
[D]	clear	Clear memory
[D]	compress	Compress data in memory
[D]	drop	Drop variables or observations
[D]	dyngen	Dynamically generate new values of variables
[D]	egen	Extensions to generate
[D]	generate	Create or change contents of variable
[R]	orthog	Orthogonalize variables and compute orthogonal polynomials

Functions and expressions

[U]	Section 12.4.2.1	Unicode string functions
[U]	Chapter 13	Functions and expressions
[FN]	Date and time functions	
[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	
[D]	egen	Extensions to generate

Strings

[U]	Section 12.4	Strings
[U]	Section 12.4.2	Handling Unicode strings
[U]	Chapter 23	Working with strings
[FN]	String functions	
[D]	data types	Quick reference for data types
[D]	unicode	Unicode utilities

Dates and times

[U]	Section 12.5.3	Date and time formats
[U]	Chapter 24	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 display formats	Display formats for dates and times

[D] [datetime translation](#) String to numeric date translation functions

Loading, saving, importing, and exporting data

[GS] [Chapter 6 \(GSM, GSU, GSW\)](#) Using the Data Editor
 [U] [Chapter 21](#) Entering and importing data
 [D] [edit](#) Browse or edit data with Data Editor
 [D] [export](#) Overview of exporting data from Stata
 [D] [import](#) Overview of importing data into Stata
 [D] [import dbase](#) Import and export dBase files
 [D] [import delimited](#) Import and export delimited text data
 [D] [import excel](#) Import and export Excel files
 [D] [import fred](#) Import data from Federal Reserve Economic Data
 [D] [import haver](#) Import data from Haver Analytics databases
 [D] [import sasxport](#) Import and export datasets in SAS XPORT format
 [D] [infile \(fixed format\)](#) Read text data in fixed format with a dictionary
 [D] [infile \(free format\)](#) Read unformatted text data
 [D] [infix \(fixed format\)](#) Read text data in fixed format
 [D] [input](#) Enter data from keyboard
 [D] [odbc](#) Load, write, or view data from ODBC sources
 [D] [outfile](#) Export dataset in text format
 [P] [putdocx](#) Generate Office Open XML (.docx) file
 [P] [putexcel](#) Export results to an Excel file
 [P] [putexcel advanced](#) Export results to an Excel file using advanced syntax
 [P] [putpdf](#) Create a PDF file
 [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 22](#) Combining datasets
 [D] [append](#) Append datasets
 [MI] [mi append](#) Append mi data
 [D] [cross](#) Form every pairwise combination of two datasets
 [D] [joinby](#) Form all pairwise combinations within groups
 [D] [merge](#) Merge datasets
 [MI] [mi merge](#) Merge mi data

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 25	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
[D]	codebook	Describe data contents
[D]	compare	Compare two variables
[D]	count	Count observations satisfying specified conditions
[D]	describe	Describe data in memory or in file
[D]	ds	List variables matching name patterns or other characteristics
[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]	<code>svy: tabulate oneway</code>	One-way tables for survey data
[SVY]	<code>svy: tabulate twoway</code>	Two-way tables for survey data
[P]	<code>tabdisp</code>	Display tables
[R]	<code>table</code>	Flexible table of summary statistics
[R]	<code>tabstat</code>	Compact table of summary statistics
[R]	<code>tabulate oneway</code>	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
[XT]	<code>xtdescribe</code>	Describe pattern of xt data

File manipulation

[D]	<code>cd</code>	Change directory
[D]	<code>cf</code>	Compare two datasets
[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
[D]	<code>dir</code>	Display filenames
[D]	<code>erase</code>	Erase a disk file
[D]	<code>filefilter</code>	Convert ASCII or binary patterns in a file
[D]	<code>mkdir</code>	Create directory
[D]	<code>rmdir</code>	Remove directory
[D]	<code>type</code>	Display contents of a file
[D]	<code>unicode convertfile</code>	Low-level file conversion between encodings
[D]	<code>unicode translate</code>	Translate files to Unicode
[D]	<code>zipfile</code>	Compress and uncompress files and directories in zip archive format

Miscellaneous data commands

[D]	<code>corr2data</code>	Create dataset with specified correlation structure
[D]	<code>drawnorm</code>	Draw sample from multivariate normal distribution
[R]	<code>dydx</code>	Calculate numeric derivatives and integrals
[D]	<code>icd</code>	Introduction to ICD commands
[D]	<code>icd10</code>	ICD-10 diagnosis codes
[D]	<code>icd10cm</code>	ICD-10-CM diagnosis codes
[D]	<code>icd10pcs</code>	ICD-10-PCS procedure codes
[D]	<code>icd9</code>	ICD-9-CM diagnosis codes
[D]	<code>icd9p</code>	ICD-9-CM procedure codes
[D]	<code>ipolate</code>	Linearly interpolate (extrapolate) values
[D]	<code>range</code>	Generate numerical range
[D]	<code>sample</code>	Draw random sample

Multiple imputation

[MI]	<code>mi add</code>	Add imputations from another mi dataset
[MI]	<code>mi append</code>	Append mi data
[MI]	<code>mi convert</code>	Change style of mi data
[MI]	<code>mi copy</code>	Copy mi flongsep data
[MI]	<code>mi describe</code>	Describe mi data
[MI]	<code>mi erase</code>	Erase mi datasets
[MI]	<code>mi expand</code>	Expand mi data
[MI]	<code>mi export</code>	Export mi data
[MI]	<code>mi export ice</code>	Export mi data to ice format
[MI]	<code>mi export nhanes1</code>	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	Stsplit and stjoin 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 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 28](#) Using the Internet to keep up to date
[R] [adoupdate](#) Update community-contributed ado-files
[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] [news](#) Report Stata news
[R] [sj](#) Stata Journal and STB installation instructions
[R] [ssc](#) Install and uninstall packages from SSC
[R] [update](#) Check for official updates
[D] [use](#) Load Stata dataset

Data types and memory

[U] [Chapter 6](#) Managing memory
[U] [Section 12.2.2](#) Numeric storage types
[U] [Section 12.4](#) Strings
[U] [Section 12.4.2](#) Handling Unicode strings
[U] [Section 13.12](#) Precision and problems therein
[U] [Chapter 23](#) Working with strings
[D] [compress](#) Compress data in memory

[D]	data types	Quick reference for data types
[R]	matsize	Set the maximum number of variables in a model
[D]	memory	Memory management
[D]	missing values	Quick reference for missing values
[D]	recast	Change storage type of variable

Advanced utilities

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

Graphics

Common graphs

[G-1]	graph intro	Introduction to graphics
[G-2]	graph	The graph command
[G-2]	graph bar	Bar charts
[G-2]	graph box	Box plots
[G-2]	graph close	Close Graph windows
[G-2]	graph combine	Combine multiple graphs
[G-2]	graph copy	Copy graph in memory
[G-2]	graph describe	Describe contents of graph in memory or on disk
[G-2]	graph dir	List names of graphs in memory and on disk
[G-2]	graph display	Display graph stored in memory
[G-2]	graph dot	Dot charts (summary statistics)
[G-2]	graph drop	Drop graphs from memory
[G-2]	graph export	Export current graph
[G-2]	graph manipulation	Graph manipulation commands
[G-2]	graph matrix	Matrix graphs
[G-2]	graph other	Other graphics commands
[G-2]	graph pie	Pie charts
[G-2]	graph play	Apply edits from a recording on current graph
[G-2]	graph print	Print a graph
[G-2]	graph query	List available schemes and styles
[G-2]	graph rename	Rename graph in memory
[G-2]	graph replay	Replay multiple graphs
[G-2]	graph save	Save graph to disk
[G-2]	graph set	Set graphics options
[G-2]	graph twoway	Twoway graphs
[G-2]	graph twoway area	Twoway line plot with area shading
[G-2]	graph twoway bar	Twoway bar plots
[G-2]	graph twoway connected	Twoway connected plots
[G-2]	graph twoway contour	Twoway contour plot with area shading
[G-2]	graph twoway contourline	Twoway contour-line plot
[G-2]	graph twoway dot	Twoway dot plots
[G-2]	graph twoway dropline	Twoway dropped-line plots
[G-2]	graph twoway fpfit	Twoway fractional-polynomial prediction plots
[G-2]	graph twoway fpfitci	Twoway fractional-polynomial prediction plots with CIs
[G-2]	graph twoway function	Twoway line plot of function
[G-2]	graph twoway histogram	Histogram plots
[G-2]	graph twoway kdensity	Kernel density plots
[G-2]	graph twoway lfit	Twoway linear prediction plots
[G-2]	graph twoway lfitci	Twoway linear prediction plots with CIs
[G-2]	graph twoway line	Twoway line plots
[G-2]	graph twoway lowess	Local linear smooth plots
[G-2]	graph twoway lpoly	Local polynomial smooth plots
[G-2]	graph twoway lpolyci	Local polynomial smooth plots with CIs
[G-2]	graph twoway mband	Twoway median-band plots
[G-2]	graph twoway mspline	Twoway median-spline plots
[G-2]	graph twoway parrow	Paired-coordinate plot with arrows
[G-2]	graph twoway parrowi	Twoway parrow with immediate arguments
[G-2]	graph twoway pccapsym	Paired-coordinate plot with spikes and marker symbols

[G-2]	graph twoway pci	.....	Twoway paired-coordinate plot with immediate arguments
[G-2]	graph twoway pcscatter	.....	Paired-coordinate plot with markers
[G-2]	graph twoway pcspike	.....	Paired-coordinate plot with spikes
[G-2]	graph twoway qfit	.....	Twoway quadratic prediction plots
[G-2]	graph twoway qfitci	.....	Twoway quadratic prediction plots with CIs
[G-2]	graph twoway rarea	.....	Range plot with area shading
[G-2]	graph twoway rbar	.....	Range plot with bars
[G-2]	graph twoway reap	.....	Range plot with capped spikes
[G-2]	graph twoway rcapsym	.....	Range plot with spikes capped with marker symbols
[G-2]	graph twoway rconnected	.....	Range plot with connected lines
[G-2]	graph twoway rline	.....	Range plot with lines
[G-2]	graph twoway rscatter	.....	Range plot with markers
[G-2]	graph twoway rspike	.....	Range plot with spikes
[G-2]	graph twoway scatter	.....	Twoway scatterplots
[G-2]	graph twoway scatteri	.....	Scatter with immediate arguments
[G-2]	graph twoway spike	.....	Twoway spike plots
[G-2]	graph twoway tline	.....	Twoway line plots
[G-2]	graph use	.....	Display graph stored on disk
[R]	histogram	.....	Histograms for continuous and categorical variables
[R]	marginsplot	.....	Graph results from margins (profile plots, etc.)
[G-2]	palette	.....	Display palettes of available selections

Distributional graphs

[R]	cumul	.....	Cumulative distribution
[R]	diagnostic plots	.....	Distributional diagnostic plots
[R]	dotplot	.....	Comparative scatterplots
[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

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

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

Quality control

[R]	<code>cusum</code>	.....	Cusum plots and tests for binary variables
[R]	<code>qc</code>	.....	Quality control charts
[R]	<code>serrbar</code>	.....	Graph standard error bar chart

Regression diagnostic plots

[R]	<code>regress postestimation diagnostic plots</code>	Postestimation plots for regress
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ROC analysis

[R]	<code>estat classification</code>	Classification statistics and table
[R]	<code>estat gof</code>	.....	Pearson or Hosmer–Lemeshow goodness-of-fit test
[R]	<code>logistic postestimation</code>	.....	Postestimation tools for logistic
[R]	<code>lroc</code>	.....	Compute area under ROC curve and graph the curve
[R]	<code>lsens</code>	.....	Graph sensitivity and specificity versus probability cutoff
[R]	<code>roccomp</code>	.....	Tests of equality of ROC areas
[R]	<code>rocfit postestimation</code>	.....	Postestimation tools for rocfit
[R]	<code>rocregplot</code>	.....	Plot marginal and covariate-specific ROC curves after rocreg
[R]	<code>roctab</code>	.....	Nonparametric ROC analysis

Smoothing and densities

[R]	<code>kdensity</code>	.....	Univariate kernel density estimation
[R]	<code>lowess</code>	.....	Lowess smoothing
[R]	<code>lpoly</code>	.....	Kernel-weighted local polynomial smoothing

Survival-analysis graphs

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

Time-series graphs

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

More statistical graphs

[BAYES]	bayesgraph	Graphical summaries and convergence diagnostics
[R]	epitab	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
[PSS]	power, graph	Graph results from the power command
[R]	stem	Stem-and-leaf displays
[TE]	teffects overlap	Overlap plots
[XT]	xtline	Panel-data line plots

Editing

[G-1]	graph editor	Graph Editor
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Graph utilities

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

Graph schemes

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

Graph concepts

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

Statistics**ANOVA and related**

[U]	Chapter 26	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]	loneway	Large one-way ANOVA, random effects, and reliability
[MV]	manova	Multivariate analysis of variance and covariance
[ME]	meglm	Multilevel mixed-effects generalized linear model
[ME]	mixed	Multilevel mixed-effects linear regression
[R]	oneway	One-way analysis of variance
[R]	pkcross	Analyze crossover experiments
[R]	pkshape	Reshape (pharmacokinetic) Latin-square data
[R]	pwcompare	Pairwise comparisons
[R]	regress	Linear regression
[XT]	xtreg	Fixed-, between-, and random-effects and population-averaged linear models

Basic statistics

[R]	<code>anova</code>	Analysis of variance and covariance
[R]	<code>bittest</code>	Binomial probability test
[R]	<code>ci</code>	Confidence intervals for means, proportions, and variances
[R]	<code>correlate</code>	Correlations (covariances) of variables or coefficients
[D]	<code>egen</code>	Extensions to generate
[R]	<code>esize</code>	Effect size based on mean comparison
[R]	<code>icc</code>	Intraclass correlation coefficients
[R]	<code>mean</code>	Estimate means
[R]	<code>misstable</code>	Tabulate missing values
[MV]	<code>mvtest</code>	Multivariate tests
[R]	<code>oneway</code>	One-way analysis of variance
[R]	<code>proportion</code>	Estimate proportions
[R]	<code>prtest</code>	Tests of proportions
[R]	<code>pwmean</code>	Pairwise comparisons of means
[R]	<code>ranksum</code>	Equality tests on unmatched data
[R]	<code>ratio</code>	Estimate ratios
[R]	<code>regress</code>	Linear regression
[R]	<code>sdtest</code>	Variance-comparison tests
[R]	<code>signrank</code>	Equality tests on matched data
[D]	<code>statsby</code>	Collect statistics for a command across a by list
[R]	<code>summarize</code>	Summary statistics
[R]	<code>table</code>	Flexible table of summary statistics
[R]	<code>tabstat</code>	Compact table of summary statistics
[R]	<code>tabulate oneway</code>	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>	t tests (mean-comparison tests)
[R]	<code>ztest</code>	z tests (mean-comparison tests, known variance)

Bayesian analysis

[U]	Section 26.30	Bayesian analysis
[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: biprobit</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: 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: hetprobit</code>	Bayesian heteroskedastic probit regression
[BAYES]	<code>bayes: hetregress</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]	bayes: meglm	Bayesian multilevel generalized linear model
[BAYES]	bayes: meintreg	Bayesian multilevel interval regression
[BAYES]	bayes: melogit	Bayesian multilevel logistic regression
[BAYES]	bayes: menbreg	Bayesian multilevel negative binomial regression
[BAYES]	bayes: meologit	Bayesian multilevel ordered logistic regression
[BAYES]	bayes: meoprobit	Bayesian multilevel ordered probit regression
[BAYES]	bayes: mepoisson	Bayesian multilevel Poisson regression
[BAYES]	bayes: meprobit	Bayesian multilevel probit regression
[BAYES]	bayes: mestreg	Bayesian multilevel parametric survival model
[BAYES]	bayes: metobit	Bayesian multilevel tobit regression
[BAYES]	bayes: mixed	Bayesian multilevel linear regression
[BAYES]	bayes: mlogit	Bayesian multinomial logistic regression
[BAYES]	bayes: mprobit	Bayesian multinomial probit regression
[BAYES]	bayes: mvreg	Bayesian multivariate regression
[BAYES]	bayes: nbreg	Bayesian negative binomial regression
[BAYES]	bayes: ologit	Bayesian ordered logistic regression
[BAYES]	bayes: oprobit	Bayesian ordered probit regression
[BAYES]	bayes: poisson	Bayesian Poisson regression
[BAYES]	bayes: probit	Bayesian probit regression
[BAYES]	bayes: regress	Bayesian linear regression
[BAYES]	bayes: streg	Bayesian parametric survival models
[BAYES]	bayes: tnbreg	Bayesian truncated negative binomial regression
[BAYES]	bayes: tobit	Bayesian tobit regression
[BAYES]	bayes: tpoisson	Bayesian truncated Poisson regression
[BAYES]	bayes: truncreg	Bayesian truncated regression
[BAYES]	bayes: zinb	Bayesian zero-inflated negative binomial regression
[BAYES]	bayes: zioprobit	Bayesian zero-inflated ordered probit regression
[BAYES]	bayes: zip	Bayesian zero-inflated Poisson regression
[BAYES]	bayesgraph	Graphical summaries and convergence diagnostics
[BAYES]	bayesian commands	Introduction to commands for Bayesian analysis
[BAYES]	bayesian estimation	Bayesian estimation commands
[BAYES]	bayesian postestimation	Postestimation tools for bayesmh and the bayes prefix
[BAYES]	bayesmh	Bayesian models using Metropolis–Hastings algorithm
[BAYES]	bayesmh evaluators	User-defined evaluators with bayesmh
[BAYES]	bayesstats	Bayesian statistics after Bayesian estimation
[BAYES]	bayesstats ess	Effective sample sizes and related statistics
[BAYES]	bayesstats ic	Bayesian information criteria and Bayes factors
[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

Binary outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.4	Binary outcomes
[BAYES]	bayesian estimation	Bayesian estimation commands
[R]	binreg	Generalized linear models: Extensions to the binomial family
[R]	biprobit	Bivariate probit regression
[R]	cloglog	Complementary log-log regression
[ERM]	eprobit	Extended probit regression
[TE]	eteffects	Endogenous treatment-effects estimation

[R]	exlogistic	Exact logistic regression
[FMM]	fmm estimation	Fitting finite mixture models
[R]	glm	Generalized linear models
[R]	heckprobit	Probit model with sample selection
[R]	hetprobit	Heteroskedastic probit model
[IRT]	irt 1pl	One-parameter logistic model
[IRT]	irt 2pl	Two-parameter logistic model
[IRT]	irt 3pl	Three-parameter logistic model
[IRT]	irt hybrid	Hybrid IRT models
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	logistic	Logistic regression, reporting odds ratios
[R]	logit	Logistic regression, reporting coefficients
[ME]	mecloglog	Multilevel mixed-effects complementary log-log regression
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	meprobit	Multilevel mixed-effects probit regression
[ME]	meqrlgit	Multilevel mixed-effects logistic regression (QR decomposition)
[R]	probit	Probit regression
[R]	rocfit	Parametric ROC models
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	scobit	Skewed logistic regression
[TE]	teffects aipw	Augmented inverse-probability weighting
[TE]	teffects ipw	Inverse-probability weighting
[TE]	teffects ipwra	Inverse-probability-weighted regression adjustment
[TE]	teffects nnmatch	Nearest-neighbor matching
[TE]	teffects psmatch	Propensity-score matching
[TE]	teffects ra	Regression adjustment
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[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 26.6	Ordinal outcomes
[U]	Section 26.7	Categorical outcomes
[R]	asclogit	Alternative-specific conditional logit (McFadden's choice) model
[R]	asmixlogit	Alternative-specific mixed logit regression
[R]	asmprobit	Alternative-specific multinomial probit regression
[BAYES]	bayesian estimation	Bayesian estimation commands
[R]	clogit	Conditional (fixed-effects) logistic regression
[FMM]	fmm estimation	Fitting finite mixture models
[IRT]	irt nrm	Nominal response model
[R]	mlogit	Multinomial (polytomous) logistic regression
[R]	mprobit	Multinomial probit regression
[R]	nlogit	Nested logit regression
[R]	slogit	Stereotype logistic regression

Censored and truncated regression models

[R]	churdle	Cragg hurdle regression
[R]	cpoisson	Censored Poisson regression
[ERM]	eintreg	Extended interval regression

[R]	<code>heckman</code>	Heckman selection model
[R]	<code>heckprobit</code>	Ordered probit model with sample selection
[R]	<code>heckprobit</code>	Probit model with sample selection
[R]	<code>intreg</code>	Interval regression
[ME]	<code>meintreg</code>	Multilevel mixed-effects interval regression
[ME]	<code>mestreg</code>	Multilevel mixed-effects parametric survival models
[ME]	<code>metobit</code>	Multilevel mixed-effects tobit regression
[ST]	<code>stintreg</code>	Parametric models for interval-censored survival-time data
[ST]	<code>streg</code>	Parametric survival models
[TE]	<code>stteffects</code>	Treatment-effects estimation for observational survival-time data
[R]	<code>tnbreg</code>	Truncated negative binomial regression
[R]	<code>tobit</code>	Tobit regression
[R]	<code>tpoisson</code>	Truncated Poisson regression
[R]	<code>trunreg</code>	Truncated regression
[XT]	<code>xtintreg</code>	Random-effects interval-data regression models
[XT]	<code>xtstreg</code>	Random-effects parametric survival models
[XT]	<code>xttobit</code>	Random-effects tobit models

Cluster analysis

[U]	Section 26.20	Multivariate analysis
[MV]	<code>cluster</code>	Introduction to cluster-analysis commands
[MV]	<code>cluster dendrogram</code>	Dendrograms for hierarchical cluster analysis
[MV]	<code>cluster generate</code>	Generate summary or grouping variables from a cluster analysis
[MV]	<code>cluster kmeans and kmedians</code>	Kmeans and kmedians cluster analysis
[MV]	<code>cluster linkage</code>	Hierarchical cluster analysis
[MV]	<code>cluster notes</code>	Place notes in cluster analysis
[MV]	<code>cluster programming subroutines</code>	Add cluster-analysis routines
[MV]	<code>cluster programming utilities</code>	Cluster-analysis programming utilities
[MV]	<code>cluster stop</code>	Cluster-analysis stopping rules
[MV]	<code>cluster utility</code>	List, rename, use, and drop cluster analyses
[MV]	<code>clustermat</code>	Introduction to clustermat commands
[MV]	<code>matrix dissimilarity</code>	Compute similarity or dissimilarity measures
[MV]	<code>measure_option</code>	Option for similarity and dissimilarity measures
[MV]	<code>multivariate</code>	Introduction to multivariate commands

Correspondence analysis

[MV]	<code>ca</code>	Simple correspondence analysis
[MV]	<code>mca</code>	Multiple and joint correspondence analysis

Count outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.8	Count outcomes
[U]	Section 26.14.3	Discrete outcomes with panel data
[BAYES]	<code>bayesian estimation</code>	Bayesian estimation commands
[R]	<code>cpoisson</code>	Censored Poisson regression
[TE]	<code>eteffects</code>	Endogenous treatment-effects estimation
[TE]	<code>etpoisson</code>	Poisson regression with endogenous treatment effects
[R]	<code>expoisson</code>	Exact Poisson regression
[FMM]	<code>fmm estimation</code>	Fitting finite mixture models
[R]	<code>heckpoisson</code>	Poisson regression with sample selection
[ME]	<code>menbreg</code>	Multilevel mixed-effects negative binomial regression

[ME]	mepoisson	Multilevel mixed-effects Poisson regression
[ME]	meqrpoisson	Multilevel mixed-effects Poisson regression (QR decomposition)
[R]	nbgreg	Negative binomial regression
[R]	poisson	Poisson regression
[TE]	teffects aipw	Augmented inverse-probability weighting
[TE]	teffects ipw	Inverse-probability weighting
[TE]	teffects ipwra	Inverse-probability-weighted regression adjustment
[TE]	teffects nnmatch	Nearest-neighbor matching
[TE]	teffects psmatch	Propensity-score matching
[TE]	teffects ra	Regression adjustment
[R]	tnbreg	Truncated negative binomial regression
[R]	tpoisson	Truncated 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

Do-it-yourself generalized method of moments

[U]	Section 26.21	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 26.26	Linearized dynamic stochastic general equilibrium (DSGE) models
[DSGE]	dsge	Linearized dynamic stochastic general equilibrium models
[DSGE]	dsge postestimation	Postestimation tools for dsge
[DSGE]	estat policy	Display policy matrix
[DSGE]	estat stable	Check stability of system
[DSGE]	estat transition	Display state transition matrix

Endogenous covariates

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 26	Overview of Stata estimation commands
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[TE]	eteffects	Endogenous treatment-effects estimation
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	etregress	Linear regression with endogenous treatment effects
[TS]	forecast	Econometric model forecasting
[R]	gmm	Generalized method of moments estimation
[R]	ivpoisson	Poisson model with continuous endogenous covariates
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	ivregress	Single-equation instrumental-variables regression
[R]	ivtobit	Tobit model with continuous endogenous covariates
[R]	reg3	Three-stage estimation for systems of simultaneous equations
[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]	xthtaylor	Hausman–Taylor estimator for error-components models
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models

Epidemiology and related

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

[R]	rocf	Parametric ROC models
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	roctab	Nonparametric ROC analysis
[R]	symmetry	Symmetry and marginal homogeneity tests
[R]	tabulate twoway	Two-way table of frequencies

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

Estimation related

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

Exact statistics

[U]	Section 26.8	Count outcomes
[U]	Section 26.10	Exact estimators
[R]	bitest	Binomial probability test
[R]	centile	Report centile and confidence interval
[R]	ci	Confidence intervals for means, proportions, and variances
[R]	dstdize	Direct and indirect standardization
[R]	epitab	Tables for epidemiologists
[R]	exlogistic	Exact logistic regression
[R]	expoisson	Exact Poisson regression
[R]	ksmirnov	Kolmogorov–Smirnov equality-of-distributions test
[R]	loneway	Large one-way ANOVA, random effects, and reliability
[R]	ranksum	Equality tests on unmatched data
[R]	roctab	Nonparametric ROC analysis
[R]	symmetry	Symmetry and marginal homogeneity tests
[R]	tabulate twoway	Two-way table of frequencies
[R]	tetrachoric	Tetrachoric correlations for binary variables

Extended regression models

[ERM]	eintreg	Extended interval regression
[ERM]	eintreg postestimation	Postestimation tools for eintreg
[ERM]	eintreg predict	predict after eintreg
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eoprobit postestimation	Postestimation tools for eoprobit
[ERM]	eoprobit predict	predict after eoprobit
[ERM]	eprobit	Extended probit regression
[ERM]	eprobit postestimation	Postestimation tools for eprobit
[ERM]	eprobit predict	predict after eprobit
[ERM]	eregress	Extended linear regression

[ERM]	eregress postestimation	Postestimation tools for eregress
[ERM]	eregress predict	predict after eregress
[ERM]	erm options	Extended regression model options
[ERM]	estat teffects	Average treatment effects for extended regression models
[ERM]	example 1a	Linear regression with continuous endogenous covariate
[ERM]	example 1b	Interval regression with continuous endogenous covariate
[ERM]	example 1c ...	Interval regression with endogenous covariate and sample selection
[ERM]	example 2a	Linear regression with binary endogenous covariate
[ERM]	example 2b	Linear regression with exogenous treatment
[ERM]	example 2c	Linear regression with endogenous treatment
[ERM]	example 3a	Probit regression with continuous endogenous covariate
[ERM]	example 3b	Probit regression with endogenous covariate and treatment
[ERM]	example 4a	Probit regression with endogenous sample selection
[ERM]	example 4b	Probit regression with endogenous treatment and sample selection
[ERM]	example 5	Probit regression with endogenous ordinal treatment
[ERM]	example 6a	Ordered probit regression with endogenous treatment
[ERM]	example 6b	Ordered probit regression with endogenous treatment and sample selection
[ERM]	predict advanced	predict's advanced features
[ERM]	predict treatment	predict for treatment statistics
[ERM]	triangularize	How to triangularize a system of equations

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
[R]	tetrachoric	Tetrachoric correlations for binary variables

Finite mixture models

[U]	Section 26.24	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 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]	<code>fm: ivregress</code>	Finite mixtures of linear regression models with endogenous covariates
[FMM]	<code>fm: logit</code>	Finite mixtures of logistic regression models
[FMM]	<code>fm: mlogit</code>	Finite mixtures of multinomial (polytomous) logistic regression models
[FMM]	<code>fm: nbreg</code>	Finite mixtures of negative binomial regression models
[FMM]	<code>fm: ologit</code>	Finite mixtures of ordered logistic regression models
[FMM]	<code>fm: oprobit</code>	Finite mixtures of ordered probit regression models
[FMM]	<code>fm: pointmass</code>	Finite mixtures models with a density mass at a single point
[FMM]	<code>fm: poisson</code>	Finite mixtures of Poisson regression models
[FMM]	<code>fm: probit</code>	Finite mixtures of probit regression models
[FMM]	<code>fm: regress</code>	Finite mixtures of linear regression models
[FMM]	<code>fm: streg</code>	Finite mixtures of parametric survival models
[FMM]	<code>fm: tobit</code>	Finite mixtures of tobit regression models
[FMM]	<code>fm: tpoisson</code>	Finite mixtures of truncated Poisson regression models
[FMM]	<code>fm: truncreg</code>	Finite mixtures of truncated linear regression models

Fractional outcomes

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

Generalized linear models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.9	Generalized linear models
[BAYES]	<code>bayes: glm</code>	Bayesian generalized linear models
[R]	<code>binreg</code>	Generalized linear models: Extensions to the binomial family
[FMM]	<code>fm: glm</code>	Finite mixtures of generalized linear regression models
[R]	<code>fracreg</code>	Fractional response regression
[R]	<code>glm</code>	Generalized linear models
[XT]	<code>xtgee</code>	Fit population-averaged panel-data models by using GEE

Indicator and categorical variables

[U]	Section 11.4.3	Factor variables
[U]	Chapter 25	Working with categorical data and factor variables
[R]	<code>fvset</code>	Declare factor-variable settings

Item response theory

[U]	Section 26.25	Item response theory (IRT)
[IRT]	Control Panel	IRT Control Panel
[IRT]	<code>dif</code>	Introduction to differential item functioning
[IRT]	<code>diflogistic</code>	Logistic regression DIF
[IRT]	<code>difmh</code>	Mantel-Haenszel DIF
[IRT]	<code>estat report</code>	Report estimated IRT parameters
[IRT]	<code>irt 1pl</code>	One-parameter logistic model
[IRT]	<code>irt 2pl</code>	Two-parameter logistic model
[IRT]	<code>irt 3pl</code>	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
[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

Latent class models

[U]	Section 26.23	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 26	Overview of Stata estimation commands
[R]	areg	Linear regression with a large dummy-variable set
[BAYES]	bayesian estimation	Bayesian estimation commands
[R]	cnsreg	Constrained linear regression
[R]	constraint	Define and list constraints
[R]	eivreg	Errors-in-variables regression
[ERM]	eregress	Extended linear regression
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	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
[R]	heckman	Heckman selection model
[R]	hetregress	Heteroskedastic linear regression
[R]	ivpoisson	Poisson model with continuous endogenous covariates
[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 model
[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
[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]	stivreg	Parametric models for interval-censored survival-time data
[ST]	streg	Parametric survival models
[R]	sureg	Zellner's seemingly unrelated regression
[R]	tnbreg	Truncated negative binomial regression
[R]	vwls	Variance-weighted least squares
[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]	xtgee	Fit population-averaged panel-data models by using GEE
[XT]	xtgls	Fit panel-data models by using GLS
[XT]	xthtaylor	Hausman–Taylor estimator for error-components models
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models
[XT]	xtpcse	Linear regression with panel-corrected standard errors
[XT]	xtrc	Random-coefficients model
[XT]	xtreg	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	xtregar	Fixed- and random-effects linear models with an AR(1) disturbance
[XT]	xtstreg	Random-effects parametric survival models

Logistic and probit regression

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 26	Overview of Stata estimation commands
[R]	asclogit	Alternative-specific conditional logit (McFadden's choice) model
[R]	asmixlogit	Alternative-specific mixed logit regression
[R]	asmprobit	Alternative-specific multinomial probit regression
[R]	asoprobit	Alternative-specific rank-ordered probit regression
[R]	biprobit	Bivariate probit regression
[R]	clogit	Conditional (fixed-effects) logistic regression
[R]	cloglog	Complementary log-log 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]	hetprobit	Heteroskedastic probit model
[IRT]	irt 1pl	One-parameter logistic model
[IRT]	irt 2pl	Two-parameter logistic model
[IRT]	irt 3pl	Three-parameter logistic model
[IRT]	irt grm	Graded response model
[IRT]	irt hybrid	Hybrid IRT models
[IRT]	irt nrm	Nominal response model
[IRT]	irt pcm	Partial credit model
[IRT]	irt rsm	Rating scale model
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	logistic	Logistic regression, reporting odds ratios
[R]	logit	Logistic regression, reporting coefficients
[ME]	melogit	Multilevel mixed-effects logistic regression

[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[ME]	meprobit	Multilevel mixed-effects probit regression
[ME]	meqrlogit	Multilevel mixed-effects logistic regression (QR decomposition)
[R]	mlogit	Multinomial (polytomous) logistic regression
[R]	mprobit	Multinomial probit regression
[R]	nlogit	Nested logit regression
[R]	ologit	Ordered logistic regression
[R]	oprobit	Ordered probit regression
[R]	probit	Probit regression
[R]	rologit	Rank-ordered logistic regression
[R]	scobit	Skewed logistic regression
[R]	slogit	Stereotype logistic regression
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[XT]	xtgee	Fit population-averaged panel-data models by using GEE
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[XT]	xtprobit	Random-effects and population-averaged probit models
[R]	zioprobit	Zero-inflated ordered probit regression

Longitudinal data/panel data

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.14	Panel-data models
[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]	meqrpoisson	Multilevel mixed-effects Poisson regression (QR decomposition)
[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]	xtdpd	Linear dynamic panel-data estimation
[XT]	xtdpdsys	Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT]	xtfrontier	Stochastic frontier models for panel data
[XT]	xtgee	Fit population-averaged panel-data models by using GEE
[XT]	xtgls	Fit panel-data models by using GLS
[XT]	xthtaylor	Hausman–Taylor estimator for error-components models
[XT]	xtintreg	Random-effects interval-data regression models
[XT]	xtivreg	Instrumental variables and two-stage least squares for panel-data models
[XT]	xtline	Panel-data line plots
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models
[XT]	xtnbreg	Fixed-effects, random-effects, & population-averaged negative binomial models
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models

[XT]	<code>xtpcse</code>	Linear regression with panel-corrected standard errors
[XT]	<code>xtpoisson</code>	Fixed-effects, random-effects, and population-averaged Poisson models
[XT]	<code>xtprobit</code>	Random-effects and population-averaged probit models
[XT]	<code>xtrc</code>	Random-coefficients model
[XT]	<code>xtreg</code>	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	<code>xtregar</code>	Fixed- and random-effects linear models with an AR(1) disturbance
[XT]	<code>xtset</code>	Declare data to be panel data
[XT]	<code>xtstreg</code>	Random-effects parametric survival models
[XT]	<code>xtsum</code>	Summarize xt data
[XT]	<code>xttab</code>	Tabulate xt data
[XT]	<code>xttobit</code>	Random-effects tobit models
[XT]	<code>xtunitroot</code>	Panel-data unit-root tests

Mixed models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.15	Multilevel mixed-effects models
[R]	<code>anova</code>	Analysis of variance and covariance
[ME]	<code>estat df</code>	Calculate degrees of freedom for fixed effects
[ME]	<code>estat group</code>	Summarize the composition of the nested groups
[ME]	<code>estat icc</code>	Estimate intraclass correlations
[ME]	<code>estat recovariance</code>	Display estimated random-effects covariance matrices
[ME]	<code>estat sd</code>	Display variance components as standard deviations and correlations
[ME]	<code>estat wcorrelation</code>	Display within-cluster correlations and standard deviations
[R]	<code>icc</code>	Intraclass correlation coefficients
[MV]	<code>manova</code>	Multivariate analysis of variance and covariance
[ME]	<code>me</code>	Introduction to multilevel mixed-effects models
[ME]	<code>mecloglog</code>	Multilevel mixed-effects complementary log-log regression
[ME]	<code>meglm</code>	Multilevel mixed-effects generalized linear model
[ME]	<code>meintreg</code>	Multilevel mixed-effects interval regression
[ME]	<code>melogit</code>	Multilevel mixed-effects logistic regression
[ME]	<code>menbreg</code>	Multilevel mixed-effects negative binomial regression
[ME]	<code>menl</code>	Nonlinear mixed-effects regression
[ME]	<code>meologit</code>	Multilevel mixed-effects ordered logistic regression
[ME]	<code>meoprobit</code>	Multilevel mixed-effects ordered probit regression
[ME]	<code>mepoisson</code>	Multilevel mixed-effects Poisson regression
[ME]	<code>meprobbit</code>	Multilevel mixed-effects probit regression
[ME]	<code>meqrlogit</code>	Multilevel mixed-effects logistic regression (QR decomposition)
[ME]	<code>meqrpoisson</code>	Multilevel mixed-effects Poisson regression (QR decomposition)
[ME]	<code>mestreg</code>	Multilevel mixed-effects parametric survival models
[ME]	<code>metobit</code>	Multilevel mixed-effects tobit regression
[ME]	<code>mixed</code>	Multilevel mixed-effects linear regression
[XT]	<code>xtcloglog</code>	Random-effects and population-averaged cloglog models
[XT]	<code>xtintreg</code>	Random-effects interval-data regression models
[XT]	<code>xtlogit</code>	Fixed-effects, random-effects, and population-averaged logit models
[XT]	<code>xtologit</code>	Random-effects ordered logistic models
[XT]	<code>xtoprobit</code>	Random-effects ordered probit models
[XT]	<code>xtprobit</code>	Random-effects and population-averaged probit models
[XT]	<code>xtrc</code>	Random-coefficients model
[XT]	<code>xtreg</code>	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	<code>xttobit</code>	Random-effects tobit models

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 26.15	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 model
[ME]	meintreg	Multilevel mixed-effects interval regression
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	menbreg	Multilevel mixed-effects negative binomial regression
[ME]	menl	Nonlinear mixed-effects regression
[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[ME]	mepoisson	Multilevel mixed-effects Poisson regression
[ME]	meqprobit	Multilevel mixed-effects probit regression
[ME]	meqrlogit	Multilevel mixed-effects logistic regression (QR decomposition)
[ME]	meqrpoisson	Multilevel mixed-effects Poisson regression (QR decomposition)
[ME]	mestreg	Multilevel mixed-effects parametric survival models
[ME]	metobit	Multilevel mixed-effects tobit regression
[ME]	mixed	Multilevel mixed-effects linear regression

Multiple imputation

[U]	Section 26.28	Multiple imputation
[MI]	estimation	Estimation commands for use with mi estimate
[MI]	intro substantive	Introduction to multiple-imputation analysis
[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 26.20	Multivariate analysis
[MV]	canon	Canonical correlations
[MV]	hotelling	Hotelling's T-squared generalized means test
[MV]	manova	Multivariate analysis of variance and covariance
[MV]	mvreg	Multivariate regression
[MV]	mvtest covariances	Multivariate tests of covariances
[MV]	mvtest means	Multivariate tests of means

Nonlinear regression

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

Nonparametric statistics

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

Ordinal outcomes

[U]	Chapter 20	Estimation and postestimation commands
[R]	asroprobit	Alternative-specific rank-ordered probit regression
[BAYES]	bayesian estimation	Bayesian estimation commands

[ERM]	eoprobit	Extended ordered probit regression
[FMM]	fmm estimation	Fitting finite mixture models
[R]	heckoprobit	Ordered probit model with sample selection
[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
[R]	rologit	Rank-ordered logistic regression
[XT]	xtologit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[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 26.19	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 and sample size

[U]	Section 26.29	Power and sample-size analysis
[PSS]	GUI	Graphical user interface for power and sample-size analysis
[PSS]	power	Power and sample-size analysis for hypothesis tests
[PSS]	power cmh	Power and sample size for the Cochran–Mantel–Haenszel test
[PSS]	power cox	Power analysis for the Cox proportional hazards model
[PSS]	power exponential	Power analysis for the exponential test
[PSS]	power logrank	Power analysis for the log-rank test
[PSS]	power logrank, cluster	Power analysis for the log-rank test, CRD
[PSS]	power mcc	Power analysis for matched case–control studies
[PSS]	power onecorrelation	Power analysis for a one-sample correlation test
[PSS]	power onemean	Power analysis for a one-sample mean test
[PSS]	power onemean, cluster	Power analysis for a one-sample mean test, CRD
[PSS]	power oneproportion	Power analysis for a one-sample proportion test
[PSS]	power oneproportion, cluster	Power analysis for a one-sample proportion test, CRD

[PSS]	power oneslope	Power analysis for a slope test in a simple linear regression
[PSS]	power onevariance	Power analysis for a one-sample variance test
[PSS]	power oneway	Power analysis for one-way analysis of variance
[PSS]	power pairedmeans	Power analysis for a two-sample paired-means test
[PSS]	power pairedproportions	Power analysis for a two-sample paired-proportions test
[PSS]	power pcorr	Power analysis for a partial-correlation test in a multiple linear regression
[PSS]	power repeated	Power analysis for repeated-measures analysis of variance
[PSS]	power rsquared	Power analysis for an R^2 test in a multiple linear regression
[PSS]	power trend	Power analysis for the Cochran–Armitage trend test
[PSS]	power twocorrelations	Power analysis for a two-sample correlations test
[PSS]	power twomeans	Power analysis for a two-sample means test
[PSS]	power twomeans, cluster	Power analysis for a two-sample means test, CRD
[PSS]	power twoproportions	Power analysis for a two-sample proportions test
[PSS]	power twoproportions, cluster	Power analysis for a two-sample proportions test, CRD
[PSS]	power twovariances	Power analysis for a two-sample variances test
[PSS]	power twoway	Power analysis for two-way analysis of variance
[PSS]	power usermethod	Add your own methods to the power command
[PSS]	power, table	Produce table of results from the power command
[PSS]	unbalanced designs	Specifications for unbalanced designs

Quality control

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

ROC analysis

[U]	Section 26.4.3	ROC analysis
[R]	roc	Receiver operating characteristic (ROC) analysis
[R]	roccomp	Tests of equality of ROC areas
[R]	rocfit	Parametric ROC models
[R]	rocfit postestimation	Postestimation tools for rocfit
[R]	rocreg	Receiver operating characteristic (ROC) regression
[R]	rocreg postestimation	Postestimation tools for rocreg
[R]	rocregplot	Plot marginal and covariate-specific ROC curves after rocreg
[R]	roctab	Nonparametric ROC analysis

Rotation

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

Sample selection models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.12	Models with endogenous sample selection
[BAYES]	bayesian estimation	Bayesian estimation commands
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[TE]	etpoisson	Poisson regression with endogenous treatment effects

[TE]	etregress	Linear regression with endogenous treatment effects
[R]	heckman	Heckman selection model
[R]	heckprobit	Ordered probit model with sample selection
[R]	heckpoisson	Poisson regression with sample selection
[R]	heckprobit	Probit model with sample selection

Simulation/resampling

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

Spatial autoregressive models

[U]	Section 26.17	Spatial autoregressive models
[SP]	estat moran	Moran test of residual correlation with nearby residuals
[SP]	grmap	Graph choropleth maps
[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]	spbalance	Make panel data strongly balanced
[SP]	spcompress	Compress Stata-format shapefile
[SP]	spdistance	Calculator for distance between places
[SP]	spgenerate	Generate new 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 matafrommsp	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 (covariances) of variables or coefficients
[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 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 a variable by add factoring, replacing, etc.
[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	Marginal means, predictive margins, and marginal effects
[R]	margins, contrast	Contrasts of margins
[R]	margins, pwcompare	Pairwise comparisons of margins
[R]	marginsplot	Graph results from margins (profile plots, etc.)
[MV]	mvtest	Multivariate tests
[R]	nlcom	Nonlinear combinations of estimators
[R]	postest	Postestimation Selector
[R]	predict	Obtain predictions, residuals, etc., after estimation
[R]	predictnl	Obtain nonlinear predictions, standard errors, etc., after estimation
[R]	pwcompare	Pairwise comparisons
[R]	suest	Seemingly unrelated estimation
[R]	test	Test linear hypotheses after estimation
[R]	testnl	Test nonlinear hypotheses after estimation

Structural equation modeling

[U]	Section 26.22	Structural equation modeling (SEM)
[SEM]	Builder	SEM Builder
[SEM]	Builder, generalized	SEM Builder for generalized models
[SEM]	estat eform	Display exponentiated coefficients
[SEM]	estat eqgof	Equation-level goodness-of-fit statistics
[SEM]	estat eqtest	Equation-level test that all coefficients are zero
[SEM]	estat framework	Display estimation results in modeling framework
[SEM]	estat ggof	Group-level goodness-of-fit statistics
[SEM]	estat ginvariant	Tests for invariance of parameters across groups
[SEM]	estat gof	Goodness-of-fit statistics
[SEM]	estat lcgof	Latent class goodness-of-fit statistics
[SEM]	estat lcmean	Latent class marginal means
[SEM]	estat lprob	Latent class marginal probabilities
[SEM]	estat mindices	Modification indices
[SEM]	estat residuals	Display mean and covariance residuals
[SEM]	estat scoretests	Score tests
[SEM]	estat sd	Display variance components as standard deviations and correlations
[SEM]	estat stable	Check stability of nonrecursive system
[SEM]	estat stdize	Test standardized parameters
[SEM]	estat summarize	Report summary statistics for estimation sample
[SEM]	estat teffects	Decomposition of effects into total, direct, and indirect
[SEM]	example 1	Single-factor measurement model
[SEM]	example 2	Creating a dataset from published covariances
[SEM]	example 3	Two-factor measurement model
[SEM]	example 4	Goodness-of-fit statistics
[SEM]	example 5	Modification indices
[SEM]	example 6	Linear regression
[SEM]	example 7	Nonrecursive structural model
[SEM]	example 8	Testing that coefficients are equal, and constraining them
[SEM]	example 9	Structural model with measurement component
[SEM]	example 10	MIMIC model
[SEM]	example 11	estat framework
[SEM]	example 12	Seemingly unrelated regression
[SEM]	example 13	Equation-level Wald test
[SEM]	example 14	Predicted values
[SEM]	example 15	Higher-order CFA
[SEM]	example 16	Correlation
[SEM]	example 17	Correlated uniqueness model
[SEM]	example 18	Latent growth model
[SEM]	example 19	Creating multiple-group summary statistics data
[SEM]	example 20	Two-factor measurement model by group
[SEM]	example 21	Group-level goodness of fit
[SEM]	example 22	Testing parameter equality across groups
[SEM]	example 23	Specifying parameter constraints across groups
[SEM]	example 24	Reliability
[SEM]	example 25	Creating summary statistics data from raw data
[SEM]	example 26	Fitting a model with data missing at random
[SEM]	example 27g	Single-factor measurement model (generalized response)
[SEM]	example 28g	One-parameter logistic IRT (Rasch) model

[SEM]	example 29g	Two-parameter logistic IRT model
[SEM]	example 30g	Two-level measurement model (multilevel, generalized response)
[SEM]	example 31g	Two-factor measurement model (generalized response)
[SEM]	example 32g	Full structural equation model (generalized response)
[SEM]	example 33g	Logistic regression
[SEM]	example 34g	Combined models (generalized responses)
[SEM]	example 35g	Ordered probit and ordered logit
[SEM]	example 36g	MIMIC model (generalized response)
[SEM]	example 37g	Multinomial logistic regression
[SEM]	example 38g	Random-intercept and random-slope models (multilevel)
[SEM]	example 39g	Three-level model (multilevel, generalized response)
[SEM]	example 40g	Crossed models (multilevel)
[SEM]	example 41g	Two-level multinomial logistic regression (multilevel)
[SEM]	example 42g	One- and two-level mediation models (multilevel)
[SEM]	example 43g	Tobit regression
[SEM]	example 44g	Interval regression
[SEM]	example 45g	Heckman selection model
[SEM]	example 46g	Endogenous treatment-effects model
[SEM]	example 47g	Exponential survival model
[SEM]	example 48g	Loglogistic survival model with censored and truncated data
[SEM]	example 49g	Multiple-group Weibull survival model
[SEM]	example 50g	Latent class model
[SEM]	example 51g	Latent class goodness-of-fit statistics
[SEM]	example 52g	Latent profile model
[SEM]	example 53g	Finite mixture Poisson regression
[SEM]	example 54g	Finite mixture Poisson regression, multiple responses
[SEM]	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]	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]	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] sem option method() Specifying method and calculation of VCE

[SEM] sem option noxconditional Computing means, etc., of observed exogenous variables

[SEM] sem option select() Using sem with summary statistics data

[SEM] sem path notation extensions Command syntax for path diagrams

[SEM] sem postestimation Postestimation tools for sem

[SEM] sem reporting options Options affecting reporting of results

[SEM] sem sss options Options for use with summary statistics data

[SEM] sss Making summary statistics data (sem only)

[SEM] test Wald test of linear hypotheses

[SEM] testnl Wald test of nonlinear hypotheses

Survey data

[U] Chapter 20 Estimation and postestimation commands

[U] Section 26.27 Survey data

[SVY] survey Introduction to survey commands

[SVY] *bootstrap_options* More options for bootstrap variance estimation

[SVY] *brr_options* More options for BRR variance estimation

[SVY] calibration Calibration for survey data

[SVY] direct standardization Direct standardization of means, proportions, and ratios

[SVY] estat Postestimation statistics for survey data

[SVY] *jackknife_options* More options for jackknife variance estimation

[SVY] ml for svy Maximum pseudolikelihood estimation for survey data

[SVY] poststratification Poststratification for survey data

[P] *_robust* Robust variance estimates

[SVY] *sdr_options* More options for SDR variance estimation

[SVY] subpopulation estimation Subpopulation estimation for survey data

[SVY] svy The survey prefix command

[SVY] svy bootstrap Bootstrap for survey data

[SVY] svy brr Balanced repeated replication for survey data

[SVY] svy estimation Estimation commands for survey data

[SVY] svy jackknife Jackknife estimation for survey data

[SVY] svy postestimation Postestimation tools for svy

[SVY] svy sdr Successive difference replication for survey data

[SVY] svy: tabulate oneway One-way tables for survey data

[SVY] svy: tabulate twoway Two-way tables for survey data

[SVY] svydescribe Describe survey data

[SVY] svy: markout Mark observations for exclusion on the basis of survey characteristics

[SVY]	svyset	Declare survey design for dataset
[MI]	mi XXXset	Declare mi data to be svy, st, ts, xt, etc.
[SVY]	variance estimation	Variance estimation for survey data

Survival analysis

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.14.5	Survival models with panel data
[U]	Section 26.16	Survival analysis models
[U]	Section 26.18	Treatment-effects models
[U]	Section 26.29	Power and sample-size analysis
[ST]	survival analysis	Introduction to survival analysis
[BAYES]	bayes: streg	Bayesian parametric survival models
[ST]	ct	Count-time data
[ST]	ctset	Declare data to be count-time data
[ST]	cttost	Convert count-time data to survival-time data
[ST]	discrete	Discrete-time survival analysis
[FMM]	fmm: streg	Finite mixtures of parametric survival models
[ST]	ltable	Life tables for survival data
[ME]	mestreg	Multilevel mixed-effects parametric survival models
[ST]	snapsan	Convert snapshot data to time-span data
[ST]	st	Survival-time data
[ST]	st_is	Survival analysis subroutines for programmers
[ST]	stbase	Form baseline dataset
[ST]	stci	Confidence intervals for means and percentiles of survival time
[ST]	stcox	Cox proportional hazards model
[ST]	stcox PH-assumption tests	Tests of proportional-hazards assumption
[ST]	stcrreg	Competing-risks regression
[ST]	stcurve	Plot survivor, hazard, cumulative hazard, or cumulative incidence function
[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]	stintreg	Parametric models for interval-censored survival-time data
[ST]	stir	Report incidence-rate comparison
[ST]	stptime	Calculate person-time, incidence rates, and SMR
[ST]	strate	Tabulate failure rates and rate ratios
[ST]	streg	Parametric survival models
[ST]	sts ...	Generate, graph, list, and test the survivor and cumulative hazard functions
[ST]	sts generate	Create variables containing survivor and related functions
[ST]	sts graph	Graph the survivor, hazard, or cumulative hazard function
[ST]	sts list	List the survivor or cumulative hazard 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	Stsplit and stjoin mi data
[ST]	stsum	Summarize survival-time data
[TE]	stteffects ipw	Survival-time inverse-probability weighting
[TE]	stteffects ipwra	Survival-time inverse-probability-weighted regression adjustment
[TE]	stteffects ra	Survival-time regression adjustment
[TE]	stteffects wra	Survival-time weighted regression adjustment

[ST]	sttocc	Convert survival-time data to case–control data
[ST]	sttoct	Convert survival-time data to count-time data
[ST]	stvary	Report variables that vary over time
[XT]	xtstreg	Random-effects parametric survival models

Also see *Power 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 26.13	Time-series models
[TS]	time series	Introduction to time-series commands
[TS]	dfactor	Dynamic-factor models
[TS]	fcast compute	Compute dynamic forecasts after var, svar, or vec
[TS]	fcast graph	Graph forecasts after fcast compute
[TS]	forecast	Econometric model forecasting
[TS]	forecast adjust	Adjust a variable by add factoring, replacing, etc.
[TS]	forecast clear	Clear current model from memory
[TS]	forecast coefvector	Specify an equation via a coefficient vector
[TS]	forecast create	Create a new forecast model
[TS]	forecast describe	Describe features of the forecast model
[TS]	forecast drop	Drop forecast variables
[TS]	forecast estimates	Add estimation results to a forecast model
[TS]	forecast exogenous	Declare exogenous variables
[TS]	forecast identity	Add an identity to a forecast model
[TS]	forecast list	List forecast commands composing current model
[TS]	forecast query	Check whether a forecast model has been started
[TS]	forecast solve	Obtain static and dynamic forecasts
[TS]	irf	Create and analyze IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf add	Add results from an IRF file to the active IRF file
[TS]	irf cgraph	Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf create	Obtain IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf ctable	Combined tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf describe	Describe an IRF file
[TS]	irf drop	Drop IRF results from the active IRF file
[TS]	irf graph	Graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf ograph	Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	irf rename	Rename an IRF result in an IRF file
[TS]	irf set	Set the active IRF file
[TS]	irf table	Tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	mgarch	Multivariate GARCH models
[TS]	mgarch ccc	Constant conditional correlation multivariate GARCH models
[TS]	mgarch dcc	Dynamic conditional correlation multivariate GARCH models
[TS]	mgarch dvech	Diagonal vech multivariate GARCH models
[TS]	mgarch vcc	Varying conditional correlation multivariate GARCH models
[TS]	rolling	Rolling-window and recursive estimation
[TS]	sspace	State-space models
[TS]	tsappend	Add observations to a time-series dataset
[TS]	tsfill	Fill in gaps in time variable
[TS]	tsline	Plot time-series data
[TS]	tsreport	Report time-series aspects of a dataset or estimation sample

[TS]	tsrevar	Time-series operator programming command
[TS]	tsset	Declare data to be time-series data
[TS]	var intro	Introduction to vector autoregressive models
[TS]	var svar	Structural vector autoregressive models
[TS]	var	Vector autoregressive models
[TS]	varbasic	Fit a simple VAR and graph IRFs or FEVDs
[TS]	vargranger	Perform pairwise Granger causality tests after var or svar
[TS]	varlmar	Perform LM test for residual autocorrelation after var or svar
[TS]	varnorm	Test for normally distributed disturbances after var or svar
[TS]	varsoc	Obtain lag-order selection statistics for VARs and VECMs
[TS]	varstable	Check the stability condition of VAR or SVAR estimates
[TS]	varwle	Obtain Wald lag-exclusion statistics after var or svar
[TS]	vec intro	Introduction to vector error-correction models
[TS]	vec	Vector error-correction models
[TS]	veclmar	Perform LM test for residual autocorrelation after vec
[TS]	vecnorm	Test for normally distributed disturbances after vec
[TS]	vecrank	Estimate the cointegrating rank of a VECM
[TS]	vecstable	Check the stability condition of VECM estimates
[TS]	xcorr	Cross-correlogram for bivariate time series

Time series, univariate

[U]	Section 11.4.4	Time-series varlists
[U]	Section 13.10	Time-series operators
[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.13	Time-series models
[TS]	time series	Introduction to time-series commands
[TS]	arch	Autoregressive conditional heteroskedasticity (ARCH) family of estimators
[TS]	arfima	Autoregressive fractionally integrated moving-average models
[TS]	arima	ARIMA, ARMAX, and other dynamic regression models
[TS]	corrgram	Tabulate and graph autocorrelations
[TS]	cumsp	Cumulative spectral distribution
[TS]	dfgls	DF-GLS unit-root test
[TS]	dfuller	Augmented Dickey–Fuller unit-root test
[TS]	estat acplot	Plot parametric autocorrelation and autocovariance functions
[TS]	estat aroots	Check the stability condition of ARIMA estimates
[TS]	estat sbcsum	Cumulative sum test for parameter stability
[TS]	estat sbknown	Test for a structural break with a known break date
[TS]	estat sbsingle	Test for a structural break with an unknown break date
[TS]	forecast	Econometric model forecasting
[TS]	forecast adjust	Adjust a variable by add factoring, replacing, etc.
[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, keeping only selected periodicities
[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	Plot time-series data
[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 dexpontial	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 test for normality
[R]	swilk	Shapiro–Wilk and Shapiro–Francia tests for normality

Treatment effects

[U]	Section 26.18	Treatment-effects models
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[TE]	eteffects	Endogenous treatment-effects estimation
[TE]	etpoisson	Poisson regression with endogenous treatment effects

[TE]	<code>etregress</code>	Linear regression with endogenous treatment effects
[TE]	<code>stteffects</code>	Treatment-effects estimation for observational survival-time data
[TE]	<code>stteffects intro</code>	Introduction to treatment effects for observational survival-time data
[TE]	<code>stteffects ipw</code>	Survival-time inverse-probability weighting
[TE]	<code>stteffects ipwra</code>	Survival-time inverse-probability-weighted regression adjustment
[TE]	<code>stteffects ra</code>	Survival-time regression adjustment
[TE]	<code>stteffects wra</code>	Survival-time weighted regression adjustment
[TE]	<code>tebalance</code>	Check balance after <code>teffects</code> or <code>stteffects</code> estimation
[TE]	<code>tebalance box</code>	Covariate balance box
[TE]	<code>tebalance density</code>	Covariate balance density
[TE]	<code>tebalance overid</code>	Test for covariate balance
[TE]	<code>tebalance summarize</code>	Covariate-balance summary statistics
[TE]	<code>teffects</code>	Treatment-effects estimation for observational data
[TE]	<code>teffects aipw</code>	Augmented inverse-probability weighting
[TE]	<code>teffects intro</code>	Introduction to treatment effects for observational data
[TE]	<code>teffects intro advanced</code>	Advanced introduction to treatment effects for observational data
[TE]	<code>teffects ipw</code>	Inverse-probability weighting
[TE]	<code>teffects ipwra</code>	Inverse-probability-weighted regression adjustment
[TE]	<code>teffects multivalued</code>	Multivalued treatment effects
[TE]	<code>teffects nnmatch</code>	Nearest-neighbor matching
[TE]	<code>teffects overlap</code>	Overlap plots
[TE]	<code>teffects psmatch</code>	Propensity-score matching
[TE]	<code>teffects ra</code>	Regression adjustment
[TE]	<code>treatment effects</code>	Introduction to treatment-effects commands

Matrix commands

Basics

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

Programming

[P]	<code>ereturn</code>	Post the estimation results
[P]	<code>matrix accum</code>	Form cross-product matrices
[P]	<code>matrix rownames</code>	Name rows and columns
[P]	<code>matrix score</code>	Score data from coefficient vectors
[R]	<code>ml</code>	Maximum likelihood estimation
[M]	<i>Mata Reference Manual</i>	

Other

[P]	<code>makecns</code>	Constrained estimation
[P]	<code>matrix dissimilarity</code>	Compute similarity or dissimilarity measures
[P]	<code>matrix eigenvalues</code>	Eigenvalues of nonsymmetric matrices
[P]	<code>matrix get</code>	Access system matrices
[P]	<code>matrix mkmat</code>	Convert variables to matrix and vice versa
[P]	<code>matrix svd</code>	Singular value decomposition
[P]	<code>matrix syeigen</code>	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](#) Levels of 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
[M-5]	Pdf*()	Create a PDF file
[M-5]	_docx*()	Generate Office Open XML (.docx) file
[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
[P]	dynamic tags	Dynamic tags for Markdown documents
[P]	dyndoc	Convert dynamic Markdown document to an HTML file
[P]	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]	include	Include commands from file
[P]	java	Java plugins
[P]	javacall	Call a Java plugin
[P]	macro	Macro definition and manipulation
[P]	macro lists	Manipulate lists
[P]	markdown	Convert Markdown document to an HTML file
[R]	ml	Maximum likelihood estimation
[M-5]	moptimize()	Model optimization
[M-5]	optimize()	Function optimization
[P]	plugin	Load a plugin
[P]	postfile	Post results in Stata dataset
[P]	_predict	Obtain predictions, residuals, etc., after estimation programming command
[P]	program properties	Properties of user-defined programs
[P]	putdocx	Generate Office Open XML (.docx) file
[P]	putexcel advanced	Export results to an Excel file using advanced syntax

[D]	putmata	Put Stata variables into Mata and vice versa
[P]	putpdf	Create a PDF file
[P]	_return	Preserve stored results
[P]	_rmcoll	Remove collinear variables
[P]	_robust	Robust variance estimates
[P]	sersset	Create and manipulate serssets
[D]	snapshot	Save and restore data snapshots
[P]	unab	Unabbreviate variable list
[P]	unabcmd	Unabbreviate command name
[D]	unicode collator	Language-specific Unicode collators
[D]	unicode convertfile	Low-level file conversion between encodings
[P]	varabbrev	Control variable abbreviation
[P]	viewsource	View source code
[M-5]	xl()	Excel file I/O class

Special-interest programming commands

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

Projects

[P]	Project Manager	Organize Stata files
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File formats

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

Mata

[M]	Mata Reference Manual	
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Automated document and report creation

[P]	dynamic tags	Dynamic tags for Markdown documents
[P]	dyndoc	Convert dynamic Markdown document to an HTML file
[P]	dyntext	Process Stata dynamic tags in text file
[P]	markdown	Convert Markdown document to an HTML file
[P]	putdocx	Generate Office Open XML (.docx) file
[P]	putexcel	Export results to an Excel file
[P]	putpdf	Create a PDF file

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 Review window
[P]	window stopbox	Display message box