

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

Basics
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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]	inspect	..... Display simple summary of data's attributes
[D]	label	..... Manipulate labels
[D]	list	..... List values of variables
[D]	missing values	..... Quick reference for missing values
[D]	rename	..... Rename variable
[D]	save	..... Save Stata dataset
[D]	sort	..... Sort data
[D]	use	..... Load Stata dataset
[D]	varmanage	..... Manage variable labels, formats, and other properties

Creating and dropping variables

[D]	clear	..... Clear memory
[D]	compress	..... Compress data in memory
[D]	drop	..... Drop variables or observations

[D]	egen	Extensions to generate
[D]	functions	Functions
[D]	generate	Create or change contents of variable
[R]	orthog	Orthogonalize variables and compute orthogonal polynomials

Functions and expressions

[U]	Chapter 13	Functions and expressions
[D]	egen	Extensions to generate
[D]	functions	Functions

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 delimited	Import delimited text data
[D]	import excel	Import and export Excel files
[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]	putexcel	Export results to an Excel file
[D]	save	Save Stata dataset
[D]	sysuse	Use shipped dataset
[D]	use	Load Stata dataset
[D]	webuse	Use dataset from Stata website
[D]	xmlsave	Export or import dataset in XML format

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]	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]	<code>ds</code>	List variables matching name patterns or other characteristics
[D]	<code>duplicates</code>	Report, tag, or drop duplicate observations
[D]	<code>edit</code>	Browse or edit data with Data Editor
[D]	<code>gsort</code>	Ascending and descending sort
[D]	<code>inspect</code>	Display simple summary of data's attributes
[D]	<code>isid</code>	Check for unique identifiers
[D]	<code>lookfor</code>	Search for string in variable names and labels
[R]	<code>lv</code>	Letter-value displays
[R]	<code>misstable</code>	Tabulate missing values
[MI]	<code>mi describe</code>	Describe mi data
[MI]	<code>mi misstable</code>	Tabulate pattern of missing values
[D]	<code>pctile</code>	Create variable containing percentiles
[ST]	<code>stdescribe</code>	Describe survival-time data
[R]	<code>summarize</code>	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 text 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>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>icd9</code>	ICD-9-CM diagnostic and 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]	mi copy	Copy mi flongsep data
[MI]	mi describe	Describe mi data
[MI]	mi erase	Erase mi datasets
[MI]	mi expand	Expand mi data
[MI]	mi export	Export mi data
[MI]	mi export ice	Export mi data to ice format
[MI]	mi export nhanes1	Export mi data to NHANES format
[MI]	mi extract	Extract original or imputed data from mi data
[MI]	mi import	Import data into mi
[MI]	mi import flong	Import flong-like data into mi
[MI]	mi import flongsep	Import flongsep-like data into mi
[MI]	mi import ice	Import ice-format data into mi
[MI]	mi import nhanes1	Import NHANES-format data into mi
[MI]	mi import wide	Import wide-like data into mi
[MI]	mi merge	Merge mi data
[MI]	mi misstable	Tabulate pattern of missing values
[MI]	mi passive	Generate/replace and register passive variables
[MI]	mi ptrace	Load parameter-trace file into Stata
[MI]	mi rename	Rename variable
[MI]	mi replace0	Replace original data
[MI]	mi reset	Reset imputed or passive variables
[MI]	mi reshape	Reshape mi data
[MI]	mi set	Declare multiple-imputation data
[MI]	mi stsplit	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]	#review	Review previous commands
[R]	search	Search Stata documentation and other resources
[R]	translate	Print and translate logs
[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 user-written ado-files
[D]	checksum	Calculate checksum of file
[D]	copy	Copy file from disk or URL
[R]	net	Install and manage user-written 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 13.11	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]	changeeol	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 ASCII text and binary files
[D]	filefilter	Convert text or binary patterns in a file
[D]	hexdump	Display hexadecimal report on file
[D]	mkdir	Create directory
[R]	more	The —more— message
[R]	query	Display system parameters
[P]	quietly	Quietly and noisily perform Stata command
[D]	rmdir	Remove directory
[R]	set	Overview of system parameters
[R]	set cformat	Format settings for coefficient tables
[R]	set_defaults	Reset system parameters to original Stata defaults
[R]	set emptycells	Set what to do with empty cells in interactions
[R]	set seed	Specify initial value of random-number seed
[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
[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 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 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 fpfif	Twoway fractional-polynomial prediction plots
[G-2]	graph twoway fpfifci	Twoway fractional-polynomial prediction plots with CIs
[G-2]	graph twoway function	Twoway line plot of function
[G-2]	graph twoway histogram	Histogram plots
[G-2]	graph twoway kdensity	Kernel density plots
[G-2]	graph twoway lfit	Twoway linear prediction plots
[G-2]	graph twoway lfitci	Twoway linear prediction plots with CIs
[G-2]	graph twoway line	Twoway line plots
[G-2]	graph twoway lowess	Local linear smooth plots
[G-2]	graph twoway lpoly	Local polynomial smooth plots
[G-2]	graph twoway lpolyci	Local polynomial smooth plots with CIs
[G-2]	graph twoway mband	Twoway median-band plots
[G-2]	graph twoway mspline	Twoway median-spline plots
[G-2]	graph twoway pcarrow	Paired-coordinate plot with arrows
[G-2]	graph twoway pcarrowi	Twoway pcarrow with immediate arguments
[G-2]	graph twoway pccapsym	Paired-coordinate plot with spikes and marker symbols
[G-2]	graph twoway pci	Twoway paired-coordinate plot with immediate arguments
[G-2]	graph twoway pscatter	Paired-coordinate plot with markers
[G-2]	graph twoway pspike	Paired-coordinate plot with spikes
[G-2]	graph twoway qfit	Twoway quadratic prediction plots
[G-2]	graph twoway qfitci	Twoway quadratic prediction plots with CIs
[G-2]	graph twoway rarea	Range plot with area shading
[G-2]	graph twoway rbar	Range plot with bars
[G-2]	graph twoway rcap	Range plot with capped spikes
[G-2]	graph twoway rcapsym	Range plot with spikes capped with marker symbols

[G-2]	graph twoway rconnected	Range plot with connected lines
[G-2]	graph twoway rline	Range plot with lines
[G-2]	graph twoway rscatter	Range plot with markers
[G-2]	graph twoway rspike	Range plot with spikes
[G-2]	graph twoway scatter	Two-way scatterplots
[G-2]	graph twoway scatteri	Scatter with immediate arguments
[G-2]	graph twoway spike	Two-way spike plots
[G-2]	graph twoway tsline	Two-way line plots
[G-2]	graph use	Display graph 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]	ladder	Ladder of powers
[R]	spikeplot	Spike plots and rootograms

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]	screplot	Scree plot

Quality control

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

Regression diagnostic plots

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

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

Smoothing and densities

[R]	histogram	Histograms for continuous and categorical variables
[R]	kdensity	Univariate kernel density estimation
[R]	lowess	Lowess smoothing
[R]	lpoly	Kernel-weighted local polynomial smoothing
[R]	sunflower	Density-distribution sunflower plots

Survival-analysis graphs

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

Time-series graphs

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

More statistical graphs

[R]	dotplot	Comparative scatterplots
[ST]	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
[R]	stem	Stem-and-leaf displays
[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]	<code>schemes intro</code>	Introduction to schemes
[G-4]	<code>scheme economist</code>	Scheme description: economist
[G-4]	<code>scheme s1</code>	Scheme description: s1 family
[G-4]	<code>scheme s2</code>	Scheme description: s2 family
[G-4]	<code>scheme sj</code>	Scheme description: sj

Graph concepts

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

Statistics**ANOVA and related**

[U]	<code>Chapter 26</code>	Overview of Stata estimation commands
[R]	<code>anova</code>	Analysis of variance and covariance
[R]	<code>contrast</code>	Contrasts and linear hypothesis tests after estimation
[R]	<code>icc</code>	Intraclass correlation coefficients
[R]	<code>loneway</code>	Large one-way ANOVA, random effects, and reliability
[MV]	<code>manova</code>	Multivariate analysis of variance and covariance
[ME]	<code>meglm</code>	Multilevel mixed-effects generalized linear model
[ME]	<code>mixed</code>	Multilevel mixed-effects linear regression
[R]	<code>oneway</code>	One-way analysis of variance
[R]	<code>pkcross</code>	Analyze crossover experiments
[R]	<code>pkshape</code>	Reshape (pharmacokinetic) Latin-square data
[R]	<code>pwcompare</code>	Pairwise comparisons
[R]	<code>regress</code>	Linear regression
[XT]	<code>xtreg</code>	Fixed-, between-, and random-effects and population-averaged linear models

Basic statistics

[R]	<code>anova</code>	Analysis of variance and covariance
[R]	<code>bitest</code>	Binomial probability test
[R]	<code>ci</code>	Confidence intervals for means, proportions, and counts
[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] [sdtest](#) Variance-comparison tests
 [R] [signrank](#) Equality tests on matched data
 [D] [statsby](#) Collect statistics for a command across a by list
 [R] [summarize](#) Summary statistics
 [R] [table](#) Flexible table of summary statistics
 [R] [tabstat](#) Compact table of summary statistics
 [R] [tabulate oneway](#) One-way table of frequencies
 [R] [tabulate twoway](#) Two-way table of frequencies
 [R] [tabulate, summarize\(\)](#) One- and two-way tables of summary statistics
 [R] [total](#) Estimate totals
 [R] [ttest](#) *t* tests (mean-comparison tests)

Binary outcomes

[U] [Chapter 20](#) Estimation and postestimation commands
 [U] [Section 26.7](#) Binary-outcome qualitative dependent-variable models
 [R] [binreg](#) Generalized linear models: Extensions to the binomial family
 [R] [biprobit](#) Bivariate probit regression
 [R] [cloglog](#) Complementary log-log regression
 [R] [exlogistic](#) Exact logistic regression
 [R] [glm](#) Generalized linear models
 [R] [glogit](#) Logit and probit regression for grouped data
 [R] [heckprobit](#) Ordered probit model with sample selection
 [R] [heckprobit](#) Probit model with sample selection
 [R] [hetprobit](#) Heteroskedastic probit model
 [R] [ivprobit](#) Probit model with continuous endogenous regressors
 [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] [meqrlogit](#) 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
 [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 26.10](#) Multiple-outcome qualitative dependent-variable models
 [R] [asclogit](#) Alternative-specific conditional logit (McFadden's choice) model
 [R] [asmprobit](#) Alternative-specific multinomial probit regression
 [R] [clogit](#) Conditional (fixed-effects) logistic regression
 [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]	heckman	Heckman selection model
[R]	heckoprobit	Ordered probit model with sample selection
[R]	heckprobit	Probit model with sample selection
[R]	intreg	Interval regression
[R]	tnbreg	Truncated negative binomial regression
[R]	tobit	Tobit regression
[R]	tpoisson	Truncated Poisson regression
[R]	truncreg	Truncated regression
[XT]	xtintreg	Random-effects interval-data regression models
[XT]	xttobit	Random-effects tobit models

Cluster analysis

[U]	Section 26.26	Multivariate and cluster analysis
[MV]	cluster	Introduction to cluster-analysis commands
[MV]	cluster dendrogram	Dendrograms for hierarchical cluster analysis
[MV]	cluster generate	Generate summary or grouping variables from a cluster analysis
[MV]	cluster kmeans and kmedians	Kmeans and kmedians cluster analysis
[MV]	cluster linkage	Hierarchical cluster analysis
[MV]	cluster notes	Place notes in cluster analysis
[MV]	cluster programming subroutines	Add cluster-analysis routines
[MV]	cluster programming utilities	Cluster-analysis programming utilities
[MV]	cluster stop	Cluster-analysis stopping rules
[MV]	cluster utility	List, rename, use, and drop cluster analyses
[MV]	clustermat	Introduction to clustermat commands
[MV]	matrix dissimilarity	Compute similarity or dissimilarity measures
[MV]	measure_option	Option for similarity and dissimilarity measures
[MV]	multivariate	Introduction to multivariate commands

Correspondence analysis

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

Count outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.11	Count dependent-variable models
[U]	Section 26.18.5	Count dependent-variable models with panel data
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[R]	expoisson	Exact Poisson regression
[ME]	menbreg	Multilevel mixed-effects negative binomial regression
[ME]	mepoisson	Multilevel mixed-effects Poisson regression
[ME]	meqrpoisson	Multilevel mixed-effects Poisson regression (QR decomposition)
[R]	nbreg	Negative binomial regression
[R]	poisson	Poisson regression
[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]	screplot	Scree plot

Do-it-yourself generalized method of moments

[U]	Section 26.22	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

Endogenous covariates

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 26	Overview of Stata estimation commands
[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 regression with endogenous regressors
[R]	ivprobit	Probit model with continuous endogenous regressors
[R]	ivregress	Single-equation instrumental-variables regression
[R]	ivtobit	Tobit model with continuous endogenous regressors
[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]	xhtaylor	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
[ST]	epitab	Tables for epidemiologists
[R]	exlogistic	Exact logistic regression
[D]	icd9	ICD-9-CM diagnostic and procedure codes
[R]	kappa	Interrater agreement
[R]	logistic	Logistic regression, reporting odds ratios
[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]	rocfit	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

Estimation related

[R]	BIC note	Calculating and interpreting BIC
[R]	constraint	Define and list constraints
[R]	eform_option	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]	vce_option	Variance estimators
[XT]	vce_options	Variance estimators

Exact statistics

[U]	Section 26.12	Exact estimators
[R]	bitest	Binomial probability test
[R]	centile	Report centile and confidence interval
[R]	ci	Confidence intervals for means, proportions, and counts
[R]	dstdize	Direct and indirect standardization
[ST]	epitab	Tables for epidemiologists
[R]	exlogistic	Exact logistic regression
[R]	expoiss	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

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]	screepplot	Scree plot
[R]	tetrachoric	Tetrachoric correlations for binary variables

Generalized linear models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.6	Generalized linear models
[R]	binreg	Generalized linear models: Extensions to the binomial family
[R]	glm	Generalized linear models
[XT]	xtgee	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]	fvset	Declare factor-variable settings

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
[R]	cnsreg	Constrained linear regression
[R]	constraint	Define and list constraints
[R]	eivreg	Errors-in-variables regression
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	etregress	Linear regression with endogenous treatment effects
[R]	fp	Fractional polynomial regression
[R]	frontier	Stochastic frontier models
[R]	glm	Generalized linear models
[R]	heckman	Heckman selection model
[R]	ivpoisson	Poisson regression with endogenous regressors
[R]	ivregress	Single-equation instrumental-variables regression
[R]	ivtobit	Tobit model with continuous endogenous regressors
[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]	rocfit	Parametric ROC models
[R]	rreg	Robust regression
[ST]	stcox	Cox proportional hazards model
[ST]	sterreg	Competing-risks regression
[R]	stepwise	Stepwise estimation
[ST]	streg	Parametric survival models
[R]	sureg	Zellner's seemingly unrelated regression

[R]	<code>tnbreg</code>	Truncated negative binomial regression
[R]	<code>vwls</code>	Variance-weighted least squares
[XT]	<code>xtabond</code>	Arellano–Bond linear dynamic panel-data estimation
[XT]	<code>xtdpd</code>	Linear dynamic panel-data estimation
[XT]	<code>xtdpdsys</code>	Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT]	<code>xtgee</code>	Fit population-averaged panel-data models by using GEE
[XT]	<code>xtgls</code>	Fit panel-data models by using GLS
[XT]	<code>xhtaylor</code>	Hausman–Taylor estimator for error-components models
[XT]	<code>xtivreg</code>	Instrumental variables and two-stage least squares for panel-data models
[XT]	<code>xtpcse</code>	Linear regression with panel-corrected standard errors
[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

Logistic and probit regression

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 26	Overview of Stata estimation commands
[R]	<code>asclogit</code>	Alternative-specific conditional logit (McFadden’s choice) model
[R]	<code>asmprobit</code>	Alternative-specific multinomial probit regression
[R]	<code>asoprobit</code>	Alternative-specific rank-ordered probit regression
[R]	<code>biprobit</code>	Bivariate probit regression
[R]	<code>clogit</code>	Conditional (fixed-effects) logistic regression
[R]	<code>cloglog</code>	Complementary log-log regression
[R]	<code>exlogistic</code>	Exact logistic regression
[R]	<code>glogit</code>	Logit and probit regression for grouped data
[R]	<code>heckoprobit</code>	Ordered probit model with sample selection
[R]	<code>heckprobit</code>	Probit model with sample selection
[R]	<code>hetprobit</code>	Heteroskedastic probit model
[R]	<code>ivprobit</code>	Probit model with continuous endogenous regressors
[R]	<code>logistic</code>	Logistic regression, reporting odds ratios
[R]	<code>logit</code>	Logistic regression, reporting coefficients
[ME]	<code>melogit</code>	Multilevel mixed-effects logistic regression
[ME]	<code>meologit</code>	Multilevel mixed-effects ordered logistic regression
[ME]	<code>meoprobit</code>	Multilevel mixed-effects ordered probit regression
[ME]	<code>meprobit</code>	Multilevel mixed-effects probit regression
[ME]	<code>meqrlogit</code>	Multilevel mixed-effects logistic regression (QR decomposition)
[R]	<code>mlogit</code>	Multinomial (polytomous) logistic regression
[R]	<code>mprobit</code>	Multinomial probit regression
[R]	<code>nlogit</code>	Nested logit regression
[R]	<code>ologit</code>	Ordered logistic regression
[R]	<code>oprobit</code>	Ordered probit regression
[R]	<code>probit</code>	Probit regression
[R]	<code>rologit</code>	Rank-ordered logistic regression
[R]	<code>scobit</code>	Skewed logistic regression
[R]	<code>slogit</code>	Stereotype logistic regression
[XT]	<code>xtcloglog</code>	Random-effects and population-averaged cloglog models
[XT]	<code>xtgee</code>	Fit population-averaged panel-data models by using GEE
[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

Longitudinal data/panel data

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.18	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]	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]	xtlogit	Random-effects ordered logistic models
[XT]	xtoprobit	Random-effects ordered probit models
[XT]	xtpcse	Linear regression with panel-corrected standard errors
[XT]	xtpoisson	Fixed-effects, random-effects, and population-averaged Poisson models
[XT]	xtprobit	Random-effects and population-averaged probit models
[XT]	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]	xtset	Declare data to be panel data
[XT]	xtsum	Summarize xt data
[XT]	xttab	Tabulate xt data
[XT]	xttobit	Random-effects tobit models
[XT]	xtunitroot	Panel-data unit-root tests

Mixed models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.19	Multilevel mixed-effects models
[R]	anova	Analysis of variance and covariance
[R]	icc	Intraclass correlation coefficients
[MV]	manova	Multivariate analysis of variance and covariance
[ME]	me	Introduction to multilevel mixed-effects models
[ME]	mecloglog	Multilevel mixed-effects complementary log-log regression
[ME]	meglm	Multilevel mixed-effects generalized linear model
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	menbreg	Multilevel mixed-effects negative binomial regression

[ME]	<code>meologit</code>	Multilevel mixed-effects ordered logistic regression
[ME]	<code>meoprobit</code>	Multilevel mixed-effects ordered probit regression
[ME]	<code>mepoisson</code>	Multilevel mixed-effects Poisson regression
[ME]	<code>meprobit</code>	Multilevel mixed-effects probit regression
[ME]	<code>meqrlogit</code>	Multilevel mixed-effects logistic regression (QR decomposition)
[ME]	<code>meqrpoisson</code>	Multilevel mixed-effects Poisson regression (QR decomposition)
[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]	<code>biplot</code>	Biplots
[MV]	<code>mds</code>	Multidimensional scaling for two-way data
[MV]	<code>mdslong</code>	Multidimensional scaling of proximity data in long format
[MV]	<code>mdsmat</code>	Multidimensional scaling of proximity data in a matrix
[MV]	<code>measure_option</code>	Option for similarity and dissimilarity measures

Multilevel mixed-effects models

[U]	Section 26.19	Multilevel mixed-effects models
[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>melogit</code>	Multilevel mixed-effects logistic regression
[ME]	<code>menbreg</code>	Multilevel mixed-effects negative binomial regression
[ME]	<code>meologit</code>	Multilevel mixed-effects ordered logistic regression
[ME]	<code>meoprobit</code>	Multilevel mixed-effects ordered probit regression
[ME]	<code>mepoisson</code>	Multilevel mixed-effects Poisson regression
[ME]	<code>meprobit</code>	Multilevel mixed-effects probit regression
[ME]	<code>meqrlogit</code>	Multilevel mixed-effects logistic regression (QR decomposition)
[ME]	<code>meqrpoisson</code>	Multilevel mixed-effects Poisson regression (QR decomposition)
[ME]	<code>mixed</code>	Multilevel mixed-effects linear regression

Multiple imputation

[U]	Section 26.25	Multiple imputation
[MI]	<code>estimation</code>	Estimation commands for use with <code>mi estimate</code>
[MI]	<code>intro substantive</code>	Introduction to multiple-imputation analysis
[MI]	<code>mi estimate</code>	Estimation using multiple imputations
[MI]	<code>mi estimate using</code>	Estimation using previously saved estimation results
[MI]	<code>mi estimate postestimation</code>	Postestimation tools for <code>mi estimate</code>
[MI]	<code>mi impute</code>	Impute missing values
[MI]	<code>mi impute chained</code>	Impute missing values using chained equations
[MI]	<code>mi impute intreg</code>	Impute using interval regression
[MI]	<code>mi impute logit</code>	Impute using logistic regression
[MI]	<code>mi impute mlogit</code>	Impute using multinomial logistic regression

[MI]	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 predict	Obtain multiple-imputation predictions
[MI]	mi test	Test hypotheses after mi estimate

Multivariate analysis of variance and related techniques

[U]	Section 26.26	Multivariate and cluster 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
[R]	nl	Nonlinear least-squares estimation
[R]	nlsur	Estimation of nonlinear systems of equations

Nonparametric statistics

[R]	bitest	Binomial probability test
[R]	bootstrap	Bootstrap sampling and estimation
[R]	bsample	Sampling with replacement
[R]	bstat	Report bootstrap results
[R]	centile	Report centile and confidence interval
[R]	cusum	Cusum plots and tests for binary variables
[R]	kdensity	Univariate kernel density estimation
[R]	ksmirnov	Kolmogorov–Smirnov equality-of-distributions test
[R]	kwallis	Kruskal–Wallis equality-of-populations rank test
[R]	lowess	Lowess smoothing
[R]	lpoly	Kernel-weighted local polynomial smoothing
[R]	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]	asprobit	Alternative-specific rank-ordered probit regression
[R]	heckoprobit	Ordered probit model with sample selection
[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

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 26.27	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 onecorrelation	Power analysis for a one-sample correlation test
[PSS]	power onemean	Power analysis for a one-sample mean test
[PSS]	power oneproportion	Power analysis for a one-sample proportion test
[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 repeated	Power analysis for repeated-measures analysis of variance
[PSS]	power twocorrelations	Power analysis for a two-sample correlations test
[PSS]	power twomeans	Power analysis for a two-sample means test
[PSS]	power twoproportions	Power analysis for a two-sample proportions test

[PSS] [power twovariances](#) Power analysis for a two-sample variances test
 [PSS] [power twoway](#) Power analysis for two-way analysis of variance
 [ST] [stpower](#) Sample size, power, and effect size for survival analysis
 [ST] [stpower cox](#) Sample size, power, and effect size for the Cox proportional hazards model
 [ST] [stpower exponential](#) Sample size and power for the exponential test
 [ST] [stpower logrank](#) Sample size, power, and effect size for the log-rank test
 [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 26.8](#) 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 26.16](#) Models with endogenous sample selection
 [TE] [etpoisson](#) Poisson regression with endogenous treatment effects
 [TE] [etregress](#) Linear regression with endogenous treatment effects
 [R] [heckman](#) Heckman selection model
 [R] [heckoprobit](#) Ordered probit model with sample selection
 [R] [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

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]	<code>correlate</code>	Correlations (covariances) of variables or coefficients
[R]	<code>estat</code>	Postestimation statistics
[R]	<code>estat ic</code>	Display information criteria
[R]	<code>estat summarize</code>	Summarize estimation sample
[R]	<code>estat vce</code>	Display covariance matrix estimates
[R]	<code>estimates</code>	Save and manipulate estimation results
[R]	<code>estimates describe</code>	Describe estimation results
[R]	<code>estimates for</code>	Repeat postestimation command across models
[R]	<code>estimates notes</code>	Add notes to estimation results
[R]	<code>estimates replay</code>	Redisplay estimation results
[R]	<code>estimates save</code>	Save and use estimation results
[R]	<code>estimates stats</code>	Model-selection statistics
[R]	<code>estimates store</code>	Store and restore estimation results
[R]	<code>estimates table</code>	Compare estimation results
[R]	<code>estimates title</code>	Set title for estimation results
[TS]	<code>forecast</code>	Econometric model forecasting
[TS]	<code>forecast adjust</code>	Adjust a variable by add factoring, replacing, etc.
[TS]	<code>forecast clear</code>	Clear current model from memory
[TS]	<code>forecast coefvector</code>	Specify an equation via a coefficient vector
[TS]	<code>forecast create</code>	Create a new forecast model
[TS]	<code>forecast describe</code>	Describe features of the forecast model
[TS]	<code>forecast drop</code>	Drop forecast variables
[TS]	<code>forecast estimates</code>	Add estimation results to a forecast model
[TS]	<code>forecast exogenous</code>	Declare exogenous variables
[TS]	<code>forecast identity</code>	Add an identity to a forecast model
[TS]	<code>forecast list</code>	List forecast commands composing current model
[TS]	<code>forecast query</code>	Check whether a forecast model has been started
[TS]	<code>forecast solve</code>	Obtain static and dynamic forecasts
[R]	<code>hausman</code>	Hausman specification test
[R]	<code>lincom</code>	Linear combinations of estimators
[R]	<code>linktest</code>	Specification link test for single-equation models
[R]	<code>lrtest</code>	Likelihood-ratio test after estimation
[R]	<code>margins</code>	Marginal means, predictive margins, and marginal effects
[R]	<code>margins, contrast</code>	Contrasts of margins
[R]	<code>margins, pwcompare</code>	Pairwise comparisons of margins
[R]	<code>marginsplot</code>	Graph results from margins (profile plots, etc.)
[MV]	<code>mvtest</code>	Multivariate tests
[R]	<code>nlcom</code>	Nonlinear combinations of estimators
[R]	<code>predict</code>	Obtain predictions, residuals, etc., after estimation
[R]	<code>predictnl</code>	Obtain nonlinear predictions, standard errors, etc., after estimation
[R]	<code>pwcompare</code>	Pairwise comparisons
[R]	<code>suest</code>	Seemingly unrelated estimation
[R]	<code>test</code>	Test linear hypotheses after estimation
[R]	<code>testnl</code>	Test nonlinear hypotheses after estimation

Structural equation modeling

[U]	Section 26.4	Structural equation modeling (SEM)
[SEM]	<code>Builder</code>	SEM Builder
[SEM]	<code>Builder, generalized</code>	SEM Builder for generalized models
[SEM]	<code>estat eform</code>	Display exponentiated coefficients
[SEM]	<code>estat eqgof</code>	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 ggoof	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 mindices	Modification indices
[SEM]	estat residuals	Display mean and covariance residuals
[SEM]	estat scoretests	Score tests
[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] 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 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 only)
[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 only)
[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
[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 ssd options	Options for use with summary statistics data
[SEM] ssd	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 26.24	Survey data
[SVY]	survey	Introduction to survey commands
[SVY]	<i>bootstrap_options</i>	More options for bootstrap variance estimation
[SVY]	<i>brr_options</i>	More options for BRR variance estimation
[SVY]	direct standardization	Direct standardization of means, proportions, and ratios
[SVY]	estat	Postestimation statistics for survey data
[SVY]	<i>jackknife_options</i>	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]	<i>sdr_options</i>	More options for SDR variance estimation
[SVY]	subpopulation estimation	Subpopulation estimation for survey data
[SVY]	svy	The survey prefix command
[SVY]	svy bootstrap	Bootstrap for survey data
[SVY]	svy brr	Balanced repeated replication for survey data
[SVY]	svy estimation	Estimation commands for survey data
[SVY]	svy jackknife	Jackknife estimation for survey data
[SVY]	svy postestimation	Postestimation tools for svy
[SVY]	svy sdr	Successive difference replication for survey data
[SVY]	svy: tabulate oneway	One-way tables for survey data
[SVY]	svy: tabulate twoway	Two-way tables for survey data
[SVY]	svydescribe	Describe survey data
[SVY]	svymarkout	Mark observations for exclusion on the basis of survey characteristics
[SVY]	svyset	Declare survey design for dataset
[MI]	mi XXXset	Declare mi data to be svy, st, ts, xt, etc.
[SVY]	variance estimation	Variance estimation for survey data

Survival analysis

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.20	Survival-time (failure-time) models
[U]	Section 26.29	Power and sample-size analysis
[ST]	survival analysis	Introduction to survival analysis & epidemiological tables commands
[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
[ST]	ltable	Life tables for survival data
[ST]	spanspan	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]	sterreg	Competing-risks regression
[ST]	stcurve	Plot survivor, hazard, cumulative hazard, or cumulative incidence function

[ST]	<code>stdescribe</code>	Describe survival-time data
[R]	<code>stepwise</code>	Stepwise estimation
[ST]	<code>stfill</code>	Fill in by carrying forward values of covariates
[ST]	<code>stgen</code>	Generate variables reflecting entire histories
[ST]	<code>stir</code>	Report incidence-rate comparison
[ST]	<code>stpower</code>	Sample size, power, and effect size for survival analysis
[ST]	<code>stpower cox</code>	Sample size, power, and effect size for the Cox proportional hazards model
[ST]	<code>stpower exponential</code>	Sample size and power for the exponential test
[ST]	<code>stpower logrank</code>	Sample size, power, and effect size for the log-rank test
[ST]	<code>stptime</code>	Calculate person-time, incidence rates, and SMR
[ST]	<code>strate</code>	Tabulate failure rates and rate ratios
[ST]	<code>streg</code>	Parametric survival models
[ST]	<code>sts</code>	Generate, graph, list, and test the survivor and cumulative hazard functions
[ST]	<code>sts generate</code>	Create variables containing survivor and related functions
[ST]	<code>sts graph</code>	Graph the survivor, hazard, or cumulative hazard function
[ST]	<code>sts list</code>	List the survivor or cumulative hazard function
[ST]	<code>sts test</code>	Test equality of survivor functions
[ST]	<code>stset</code>	Declare data to be survival-time data
[MI]	<code>mi XXXset</code>	Declare mi data to be svy, st, ts, xt, etc.
[ST]	<code>stsplit</code>	Split and join time-span records
[MI]	<code>mi stsplit</code>	Stsplit and stjoin mi data
[ST]	<code>stsum</code>	Summarize survival-time data
[ST]	<code>sttocc</code>	Convert survival-time data to case-control data
[ST]	<code>sttoct</code>	Convert survival-time data to count-time data
[ST]	<code>stvary</code>	Report variables that vary over time

Time series, multivariate

[U]	Section 11.4.4	Time-series varlists
[U]	Section 13.9	Time-series operators
[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.17	Models with time-series data
[TS]	<code>time series</code>	Introduction to time-series commands
[TS]	<code>dfactor</code>	Dynamic-factor models
[TS]	<code>estat aroots</code>	Check the stability condition of ARIMA estimates
[TS]	<code>fcast compute</code>	Compute dynamic forecasts after <code>var</code> , <code>svar</code> , or <code>vec</code>
[TS]	<code>fcast graph</code>	Graph forecasts after <code>fcast compute</code>
[TS]	<code>forecast</code>	Econometric model forecasting
[TS]	<code>forecast adjust</code>	Adjust a variable by add factoring, replacing, etc.
[TS]	<code>forecast clear</code>	Clear current model from memory
[TS]	<code>forecast coefvector</code>	Specify an equation via a coefficient vector
[TS]	<code>forecast create</code>	Create a new forecast model
[TS]	<code>forecast describe</code>	Describe features of the forecast model
[TS]	<code>forecast drop</code>	Drop forecast variables
[TS]	<code>forecast estimates</code>	Add estimation results to a forecast model
[TS]	<code>forecast exogenous</code>	Declare exogenous variables
[TS]	<code>forecast identity</code>	Add an identity to a forecast model
[TS]	<code>forecast list</code>	List forecast commands composing current model
[TS]	<code>forecast query</code>	Check whether a forecast model has been started
[TS]	<code>forecast solve</code>	Obtain static and dynamic forecasts
[TS]	<code>irf</code>	Create and analyze IRFs, dynamic-multiplier functions, and FEVDs
[TS]	<code>irf add</code>	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 13.9	Time-series operators
[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 26.17	Models with time-series data
[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]	<code>cumsp</code>	Cumulative spectral distribution
[TS]	<code>dfgls</code>	DF-GLS unit-root test
[TS]	<code>dfuller</code>	Augmented Dickey–Fuller unit-root test
[TS]	<code>estat aplot</code>	Plot parametric autocorrelation and autocovariance functions
[TS]	<code>forecast</code>	Econometric model forecasting
[TS]	<code>forecast adjust</code>	Adjust a variable by add factoring, replacing, etc.
[TS]	<code>forecast clear</code>	Clear current model from memory
[TS]	<code>forecast coefvector</code>	Specify an equation via a coefficient vector
[TS]	<code>forecast create</code>	Create a new forecast model
[TS]	<code>forecast describe</code>	Describe features of the forecast model
[TS]	<code>forecast drop</code>	Drop forecast variables
[TS]	<code>forecast estimates</code>	Add estimation results to a forecast model
[TS]	<code>forecast exogenous</code>	Declare exogenous variables
[TS]	<code>forecast identity</code>	Add an identity to a forecast model
[TS]	<code>forecast list</code>	List forecast commands composing current model
[TS]	<code>forecast query</code>	Check whether a forecast model has been started
[TS]	<code>forecast solve</code>	Obtain static and dynamic forecasts
[TS]	<code>newey</code>	Regression with Newey–West standard errors
[TS]	<code>pergram</code>	Periodogram
[TS]	<code>pperron</code>	Phillips–Perron unit-root test
[TS]	<code>prais</code>	Prais–Winsten and Cochrane–Orcutt regression
[TS]	<code>psdensity</code>	Parametric spectral density estimation after arima, arfima, and ucm
[TS]	<code>rolling</code>	Rolling-window and recursive estimation
[TS]	<code>tsappend</code>	Add observations to a time-series dataset
[TS]	<code>tsfill</code>	Fill in gaps in time variable
[TS]	<code>tsfilter</code>	Filter a time-series, keeping only selected periodicities
[TS]	<code>tsfilter bk</code>	Baxter–King time-series filter
[TS]	<code>tsfilter bw</code>	Butterworth time-series filter
[TS]	<code>tsfilter cf</code>	Christiano–Fitzgerald time-series filter
[TS]	<code>tsfilter hp</code>	Hodrick–Prescott time-series filter
[TS]	<code>tsline</code>	Plot time-series data
[TS]	<code>tsreport</code>	Report time-series aspects of a dataset or estimation sample
[TS]	<code>tsrevar</code>	Time-series operator programming command
[TS]	<code>tsset</code>	Declare data to be time-series data
[TS]	<code>tssmooth</code>	Smooth and forecast univariate time-series data
[TS]	<code>tssmooth dexponential</code>	Double-exponential smoothing
[TS]	<code>tssmooth exponential</code>	Single-exponential smoothing
[TS]	<code>tssmooth hwinters</code>	Holt–Winters nonseasonal smoothing
[TS]	<code>tssmooth ma</code>	Moving-average filter
[TS]	<code>tssmooth nl</code>	Nonlinear filter
[TS]	<code>tssmooth shwinters</code>	Holt–Winters seasonal smoothing
[TS]	<code>ucm</code>	Unobserved-components model
[TS]	<code>wntestb</code>	Bartlett’s periodogram-based test for white noise
[TS]	<code>wntestq</code>	Portmanteau (Q) test for white noise
[TS]	<code>xcorr</code>	Cross-correlogram for bivariate time series

Transforms and normality tests

[R]	<code>boxcox</code>	Box–Cox regression models
[R]	<code>fp</code>	Fractional polynomial regression
[R]	<code>ladder</code>	Ladder of powers
[R]	<code>lnskew0</code>	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 26.21	Treatment-effect models
[TE]	etpoisson	Poisson regression with endogenous treatment effects
[TE]	etregress	Linear regression with endogenous treatment effects
[TE]	teffects	Treatment-effects estimation for observational data
[TE]	teffects aipw	Augmented inverse-probability weighting
[TE]	teffects intro	Introduction to treatment effects for observational data
[TE]	teffects intro advanced	Advanced introduction to treatment effects for observational data
[TE]	teffects ipw	Inverse-probability weighting
[TE]	teffects ipwra	Inverse-probability-weighted regression adjustment
[TE]	teffects multivalued	Multivalued treatment effects
[TE]	teffects nmatch	Nearest-neighbor matching
[TE]	teffects overlap	Overlap plots
[TE]	teffects psmatch	Propensity-score matching
[TE]	teffects ra	Regression adjustment
[TE]	treatment effects	Introduction to treatment-effects commands

Matrix commands

Basics

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

Programming

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

Other

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

Mata

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

Programming**Basics**

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

Program control

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

Parsing and program arguments

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

Console output

[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

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]	<code>more</code>	Pause until key is pressed
[P]	<code>nopreserve option</code>	<code>nopreserve</code> option
[P]	<code>preserve</code>	Preserve and restore data
[P]	<code>quietly</code>	Quietly and noisily perform Stata command
[P]	<code>scalar</code>	Scalar variables
[P]	<code>smcl</code>	Stata Markup and Control Language
[P]	<code>sortpreserve</code>	Sort within programs
[P]	<code>timer</code>	Time sections of code by recording and reporting time spent
[TS]	<code>tsrevar</code>	Time-series operator programming command

Debugging

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

Advanced programming commands

[M-5]	<code>_docx*()</code>	Generate Office Open XML (.docx) file
[P]	<code>automation</code>	Automation
[P]	<code>break</code>	Suppress Break key
[P]	<code>char</code>	Characteristics
[M-2]	<code>class</code>	Object-oriented programming (classes)
[P]	<code>class</code>	Class programming
[P]	<code>class exit</code>	Exit class-member program and return result
[P]	<code>classutil</code>	Class programming utility
[P]	<code>estat programming</code>	Controlling <code>estat</code> after user-written commands
[P]	<code>_estimates</code>	Manage estimation results
[P]	<code>file</code>	Read and write ASCII text and binary files
[P]	<code>findfile</code>	Find file in path
[P]	<code>include</code>	Include commands from file
[P]	<code>java</code>	Java plugins
[P]	<code>javacall</code>	Call a static Java method
[P]	<code>macro</code>	Macro definition and manipulation
[P]	<code>macro lists</code>	Manipulate lists
[R]	<code>ml</code>	Maximum likelihood estimation
[M-5]	<code>moptimize()</code>	Model optimization
[M-5]	<code>optimize()</code>	Function optimization
[P]	<code>plugin</code>	Load a plugin
[P]	<code>postfile</code>	Post results in Stata dataset
[P]	<code>_predict</code>	Obtain predictions, residuals, etc., after estimation programming command
[P]	<code>program properties</code>	Properties of user-defined programs
[P]	<code>putexcel</code>	Export results to an Excel file
[D]	<code>putmata</code>	Put Stata variables into Mata and vice versa
[P]	<code>_return</code>	Preserve stored results
[P]	<code>_rmcoll</code>	Remove collinear variables
[P]	<code>_robust</code>	Robust variance estimates
[P]	<code>serset</code>	Create and manipulate sersets
[D]	<code>snapshot</code>	Save and restore data snapshots
[P]	<code>unab</code>	Unabbreviate variable list
[P]	<code>unabcmd</code>	Unabbreviate command name
[P]	<code>varabbrev</code>	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
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Mata

[M]	Mata Reference Manual	
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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]	sleep	Pause for a specified time
[P]	smcl	Stata Markup and Control Language
[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