

# 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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## Getting started

### Data manipulation and management

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

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

### Utilities

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

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

### Graphics

- Bayesian analysis graphs*
- Bayesian model averaging graphs*
- Common graphs*
- Distributional graphs*
- Item response theory graphs*
- Lasso graphs*
- Meta-analysis graphs*
- Multivariate graphs*
- Power, precision, and sample-size graphs*
- Quality control*

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

### Statistics

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

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

*Epidemiology and related*  
*Estimation related*  
*Exact statistics*  
*Extended regression models*  
*Factor analysis and principal components*  
*Finite mixture models*  
*Fractional outcomes*  
*Generalized linear models*  
*Group sequential designs*  
*Indicator and categorical variables*  
*Item response theory*  
*Lasso*  
*Latent class models*

*ROC analysis*  
*Rotation*  
*Sample selection models*  
*Simulation/resampling*  
*Spatial autoregressive models*  
*Standard postestimation tests, tables,  
and other analyses*  
*Structural equation modeling*  
*Survey data*  
*Survival analysis*  
*Time series, multivariate*  
*Time series, univariate*  
*Transforms and normality tests*

### Matrix commands

*Basics*

*Programming*

*Other*

*Mata*

### Programming

*Basics*

*Program control*

*Parsing and program arguments*

*Console output*

*Commonly used programming commands*

*Debugging*

*Projects*

*Advanced programming commands*

*Special-interest programming commands*

*File formats*

*Mata*

### Customizable tables and collections

### Automated document and report creation

### Interface features

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## Getting started

[GSM] *Getting Started with Stata for Mac* .....

[GSU] *Getting Started with Stata for Unix* .....

[GSW] *Getting Started with Stata for Windows* .....

[U] Chapter 3 .....

[U] Chapter 4 .....

[R] help .....

[R] search .....

Resources for learning and using Stata

Stata's help and search facilities

Display help in Stata

Search Stata documentation and other resources

## Data manipulation and management

### Basic data commands

[D] Intro .....

[D] Data management .....

[D] codebook .....

[D] Data types .....

[D] Datetime .....

[D] Datetime durations .....

[D] Datetime relative dates .....

[D] Datetime values from other software .....

Introduction to data management reference manual

Introduction to data management commands

Describe data contents

Quick reference for data types

Date and time values and variables

Obtaining and working with durations

Obtaining dates and date information from other dates

Date and time conversion from other software

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

### Creating and dropping variables

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

### Functions and expressions

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

**Strings**

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

**Dates and times**

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

**Loading, saving, importing, and exporting data**

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

**Combining data**

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

**Certifying data**

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

**Reshaping datasets**

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

**Labeling, display formats, and notes**

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

**Changing and renaming variables**

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

**Examining data**

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

[R]	tabulate, summarize()	One- and two-way tables of summary statistics
[XT]	xtdescribe	Describe pattern of xt data

## File manipulation

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

## Miscellaneous data commands

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

## Multiple datasets in memory

[D]	fralias	Alias variables from linked frames
[D]	frame change	Change identity of current (working) frame
[D]	frame copy	Make a copy of a frame
[D]	frame create	Create a new frame
[D]	frame drop	Drop frames from memory
[D]	frame prefix	The frame prefix command
[D]	frame put	Copy selected variables or observations to a new frame
[D]	frame pwf	Display name of current (working) frame

[D]	<a href="#">frame rename</a>	Rename existing frame
[D]	<a href="#">frames</a>	Data frames
[D]	<a href="#">frames describe</a>	Describe frames in memory or in a file
[D]	<a href="#">frames dir</a>	Display names of all frames in memory
[D]	<a href="#">frames intro</a>	Introduction to frames
[D]	<a href="#">frames reset</a>	Drop all frames from memory
[D]	<a href="#">frames save</a>	Save a set of frames on disk
[D]	<a href="#">frames use</a>	Load a set of frames from disk
[D]	<a href="#">frget</a>	Copy variables from linked frame
[D]	<a href="#">frlink</a>	Link frames
[D]	<a href="#">frunalias</a>	Change storage type of alias variables

## Multiple imputation

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



## Utilities

### Basic utilities

[GS]	Chapter 13 (GSM, GSU, GSW)	Using the Do-file Editor—automating Stata
[U]	Chapter 4	Stata's help and search facilities
[U]	Chapter 15	Saving and printing output—log files
[U]	Chapter 16	Do-files
[R]	about	Display information about your Stata
[D]	by	Repeat Stata command on subsets of the data
[R]	cls	Clear Results window
[R]	copyright	Display copyright information
[R]	do	Execute commands from a file
[R]	doedit	Edit do-files and other text files
[R]	exit	Exit Stata
[R]	help	Display help in Stata
[R]	level	Set default confidence level
[R]	log	Echo copy of session to file
[D]	obs	Increase the number of observations in a dataset
[R]	postest	Postestimation Selector
[R]	#review	Review previous commands
[R]	search	Search Stata documentation and other resources
[BAYES]	set clevel	Set default credible level
[R]	translate	Print and translate logs
[D]	unicode translate	Translate files to Unicode
[R]	view	View files and logs
[D]	zipfile	Compress and uncompress files and directories in zip archive format

### Error messages

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

### Stored results

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

[P]	<a href="#">_return</a>	Preserve stored results
[P]	<a href="#">return</a>	Return stored results
[R]	<a href="#">Stored results</a>	Stored results

## Internet

[U]	<a href="#">Chapter 29</a>	Using the Internet to keep up to date
[R]	<a href="#">ado update</a>	Update community-contributed packages
[D]	<a href="#">checksum</a>	Calculate checksum of file
[D]	<a href="#">copy</a>	Copy file from disk or URL
[R]	<a href="#">net</a>	Install and manage community-contributed additions from the Internet
[R]	<a href="#">net search</a>	Search the Internet for installable packages
[R]	<a href="#">netio</a>	Control Internet connections
[R]	<a href="#">sj</a>	Stata Journal installation instructions
[R]	<a href="#">ssc</a>	Install and uninstall packages from SSC
[R]	<a href="#">update</a>	Check for official updates
[D]	<a href="#">use</a>	Load Stata dataset

## Data types and memory

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

## Advanced utilities

[D]	<a href="#">assert</a>	Verify truth of claim
[D]	<a href="#">assertnested</a>	Verify variables nested
[D]	<a href="#">cd</a>	Change directory
[D]	<a href="#">changeool</a>	Convert end-of-line characters of text file
[D]	<a href="#">checksum</a>	Calculate checksum of file
[D]	<a href="#">copy</a>	Copy file from disk or URL
[P]	<a href="#">_datasignature</a>	Determine whether data have changed
[D]	<a href="#">datasignature</a>	Determine whether data have changed
[R]	<a href="#">db</a>	Launch dialog
[P]	<a href="#">Dialog programming</a>	Dialog programming
[D]	<a href="#">dir</a>	Display filenames
[P]	<a href="#">discard</a>	Drop automatically loaded programs
[D]	<a href="#">erase</a>	Erase a disk file
[P]	<a href="#">file</a>	Read and write text and binary files
[D]	<a href="#">filefilter</a>	Convert ASCII or binary patterns in a file
[D]	<a href="#">hexdump</a>	Display hexadecimal report on file
[D]	<a href="#">mkdir</a>	Create directory
[R]	<a href="#">more</a>	The —more— message
[R]	<a href="#">query</a>	Display system parameters
[P]	<a href="#">quietly</a>	Quietly and noisily perform Stata command

[D]	<code>rmdir</code>	Remove directory
[R]	<code>set</code>	Overview of system parameters
[R]	<code>set cformat</code>	Format settings for coefficient tables
[R]	<code>set_defaults</code>	Reset system parameters to original Stata defaults
[R]	<code>set emptycells</code>	Set what to do with empty cells in interactions
[R]	<code>set iter</code>	Control iteration settings
[P]	<code>set locale_functions</code>	Specify default locale for functions
[P]	<code>set locale_ui</code>	Specify a localization package for the user interface
[R]	<code>set rng</code>	Set which random-number generator (RNG) to use
[R]	<code>set rngstream</code>	Specify the stream for the stream random-number generator
[R]	<code>set seed</code>	Specify random-number seed and state
[R]	<code>set showbaselevels</code>	Display settings for coefficient tables
[P]	<code>set sortmethod</code>	Specify a sort method
[P]	<code>set sortrngstate</code>	Set the state of sort's randomizer
[D]	<code>shell</code>	Temporarily invoke operating system
[P]	<code>signestimationsample</code>	Determine whether the estimation sample has changed
[P]	<code>smcl</code>	Stata Markup and Control Language
[P]	<code>sysdir</code>	Query and set system directories
[D]	<code>type</code>	Display contents of a file
[D]	<code>unicode collator</code>	Language-specific Unicode collators
[D]	<code>unicode convertfile</code>	Low-level file conversion between encodings
[D]	<code>unicode encoding</code>	Unicode encoding utilities
[D]	<code>unicode locale</code>	Unicode locale utilities
[D]	<code>vl</code>	Manage variable lists
[D]	<code>vl create</code>	Create and modify user-defined variable lists
[D]	<code>vl drop</code>	Drop variable lists or variables from variable lists
[D]	<code>vl list</code>	List contents of variable lists
[D]	<code>vl rebuild</code>	Rebuild variable lists
[D]	<code>vl set</code>	Set system-defined variable lists
[R]	<code>which</code>	Display location of an ado-file

## Graphics

### Bayesian analysis graphs

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

### Bayesian model averaging graphs

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

### Common graphs

[G-1]	<code>Graph intro</code>	Introduction to graphics
[G-2]	<code>graph</code>	The graph command

[G-2]	graph bar	Bar charts
[G-2]	graph box	Box plots
[G-2]	graph close	Close Graph windows
[G-2]	graph combine	Combine multiple graphs
[G-2]	graph copy	Copy graph in memory
[G-2]	graph describe	Describe contents of graph in memory or on disk
[G-2]	graph dir	List names of graphs in memory and on disk
[G-2]	graph display	Display graph stored in memory
[G-2]	graph dot	Dot charts (summary statistics)
[G-2]	graph drop	Drop graphs from memory
[G-2]	graph export	Export current graph
[G-2]	graph manipulation	Graph manipulation commands
[G-2]	graph matrix	Matrix graphs
[G-2]	graph other	Other graphics commands
[G-2]	graph pie	Pie charts
[G-2]	graph play	Apply edits from a recording on current graph
[G-2]	graph print	Print a graph
[G-2]	graph query	List available schemes and styles
[G-2]	graph rename	Rename graph in memory
[G-2]	graph replay	Replay multiple graphs
[G-2]	graph save	Save graph to disk
[G-2]	graph set	Set graphics options
[G-2]	graph twoway	Twoway graphs
[G-2]	graph twoway area	Twoway line plot with area shading
[G-2]	graph twoway bar	Twoway bar plots
[G-2]	graph twoway connected	Twoway connected plots
[G-2]	graph twoway contour	Twoway contour plot with area shading
[G-2]	graph twoway contourline	Twoway contour-line plot
[G-2]	graph twoway dot	Twoway dot plots
[G-2]	graph twoway dropline	Twoway dropped-line plots
[G-2]	graph twoway ffit	Twoway fractional-polynomial prediction plots
[G-2]	graph twoway ffitci	Twoway fractional-polynomial prediction plots with CIs
[G-2]	graph twoway function	Twoway line plot of function
[G-2]	graph twoway histogram	Histogram plots
[G-2]	graph twoway kdensity	Kernel density plots
[G-2]	graph twoway lfit	Twoway linear prediction plots
[G-2]	graph twoway lfitci	Twoway linear prediction plots with CIs
[G-2]	graph twoway line	Twoway line plots
[G-2]	graph twoway lowess	Local linear smooth plots
[G-2]	graph twoway lpoly	Local polynomial smooth plots
[G-2]	graph twoway lpolyci	Local polynomial smooth plots with CIs
[G-2]	graph twoway mband	Twoway median-band plots
[G-2]	graph twoway mspline	Twoway median-spline plots
[G-2]	graph twoway pcarrow	Paired-coordinate plot with arrows
[G-2]	graph twoway pcarrowi	Twoway pcarrow with immediate arguments
[G-2]	graph twoway pccapsym	Paired-coordinate plot with spikes and marker symbols
[G-2]	graph twoway pci	Twoway paired-coordinate plot with immediate arguments
[G-2]	graph twoway pscatter	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]	<a href="#">graph twoway rarea</a>	Range plot with area shading
[G-2]	<a href="#">graph twoway rbar</a>	Range plot with bars
[G-2]	<a href="#">graph twoway rcap</a>	Range plot with capped spikes
[G-2]	<a href="#">graph twoway rcapsym</a>	Range plot with spikes capped with marker symbols
[G-2]	<a href="#">graph twoway rconnected</a>	Range plot with connected lines
[G-2]	<a href="#">graph twoway rline</a>	Range plot with lines
[G-2]	<a href="#">graph twoway rscatter</a>	Range plot with markers
[G-2]	<a href="#">graph twoway rspike</a>	Range plot with spikes
[G-2]	<a href="#">graph twoway scatter</a>	Twoway scatterplots
[G-2]	<a href="#">graph twoway scatteri</a>	Scatter with immediate arguments
[G-2]	<a href="#">graph twoway spike</a>	Twoway spike plots
[G-2]	<a href="#">graph twoway tline</a>	Twoway line plots
[G-2]	<a href="#">graph use</a>	Display graph stored on disk
[R]	<a href="#">histogram</a>	Histograms for continuous and categorical variables
[R]	<a href="#">marginsplot</a>	Graph results from margins (profile plots, etc.)
[G-2]	<a href="#">palette</a>	Display palettes of available selections

### Distributional graphs

[R]	<a href="#">cumul</a>	Cumulative distribution
[R]	<a href="#">Diagnostic plots</a>	Distributional diagnostic plots
[R]	<a href="#">dotplot</a>	Comparative distribution dotplots
[R]	<a href="#">histogram</a>	Histograms for continuous and categorical variables
[R]	<a href="#">ladder</a>	Ladder of powers
[R]	<a href="#">spikeplot</a>	Spike plots and rootograms
[R]	<a href="#">sunflower</a>	Density-distribution sunflower plots

### Item response theory graphs

[MV]	<a href="#">biplot</a>	Biplots
[IRT]	<a href="#">irtgraph icc</a>	Item characteristic curve plot
[IRT]	<a href="#">irtgraph iif</a>	Item information function plot
[IRT]	<a href="#">irtgraph tcc</a>	Test characteristic curve plot
[IRT]	<a href="#">irtgraph tif</a>	Test information function plot

### Lasso graphs

[LASSO]	<a href="#">bicplot</a>	Plot Bayesian information criterion function after lasso
[LASSO]	<a href="#">coefpath</a>	Plot path of coefficients after lasso
[LASSO]	<a href="#">cvplot</a>	Plot cross-validation function after lasso

### Meta-analysis graphs

[META]	<a href="#">estat bubbleplot</a>	Bubble plots after meta regress
[META]	<a href="#">meta forestplot</a>	Forest plots
[META]	<a href="#">meta funnelplot</a>	Funnel plots
[META]	<a href="#">meta galbraithplot</a>	Galbraith plots
[META]	<a href="#">meta labbeplot</a>	L'Abbé plots

### Multivariate graphs

[MV]	<a href="#">biplot</a>	Biplots
[MV]	<a href="#">ca postestimation</a>	Postestimation tools for ca and camat
[MV]	<a href="#">ca postestimation plots</a>	Postestimation plots for ca and camat
[MV]	<a href="#">cluster dendrogram</a>	Dendrograms for hierarchical cluster analysis

[MV]	<a href="#">mca postestimation</a>	Postestimation tools for mca
[MV]	<a href="#">mca postestimation plots</a>	Postestimation plots for mca
[MV]	<a href="#">mds postestimation</a>	Postestimation tools for mds, mdsmat, and mdslong
[MV]	<a href="#">mds postestimation plots</a>	Postestimation plots for mds, mdsmat, and mdslong
[MV]	<a href="#">procrustes postestimation</a>	Postestimation tools for procrustes
[MV]	<a href="#">scoreplot</a>	Score and loading plots
[MV]	<a href="#">screeplot</a>	Scree plot of eigenvalues

### Power, precision, and sample-size graphs

[PSS-3]	<a href="#">ciwidth, graph</a>	Graph results from the ciwidth command
[ADAPT]	<a href="#">gsbounds</a>	Boundaries for group sequential trials
[ADAPT]	<a href="#">gsdesign</a>	Study design for group sequential trials
[PSS-2]	<a href="#">power, graph</a>	Graph results from the power command

### Quality control

[R]	<a href="#">QC</a>	Quality control charts
[R]	<a href="#">cusum</a>	Cusum plots and tests for binary variables
[R]	<a href="#">serrbar</a>	Graph standard error bar chart

### Regression diagnostic plots

[R]	<a href="#">regress postestimation diagnostic plots</a>	Postestimation plots for regress
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### ROC analysis

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

### Smoothing and densities

[R]	<a href="#">kdensity</a>	Univariate kernel density estimation
[R]	<a href="#">lowess</a>	Lowess smoothing
[R]	<a href="#">lpoly</a>	Kernel-weighted local polynomial smoothing

### Survival-analysis graphs

[ST]	<a href="#">estat gofplot</a>	Goodness-of-fit plots after streg, stcox, stntreg, or stntcox
[ST]	<a href="#">ltable</a>	Life tables for survival data
[ST]	<a href="#">stci</a>	Confidence intervals for means and percentiles of survival time
[ST]	<a href="#">stcox PH-assumption tests</a>	Tests of proportional-hazards assumption after stcox
[ST]	<a href="#">stcurve</a>	Plot the survivor or related function after streg, stcox, and more
[ST]	<a href="#">stntcox PH-assumption plots</a>	Plots of proportional-hazards assumption after stntcox
[ST]	<a href="#">strate</a>	Tabulate failure rates and rate ratios
[ST]	<a href="#">sts graph</a>	Graph the survivor or related function

**Time-series graphs**

[TS]	<code>corrgram</code>	Tabulate and graph autocorrelations
[TS]	<code>cumsp</code>	Graph cumulative spectral distribution
[TS]	<code>estat aplot</code>	Plot parametric autocorrelation and autocovariance functions
[TS]	<code>estat aroots</code>	Check the stability condition of ARIMA estimates
[TS]	<code>estat sbcsum</code>	Cumulative sum test for parameter stability
[TS]	<code>fcst graph</code>	Graph forecasts after <code>fcst compute</code>
[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>tsline</code>	Time-series line plots
[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**

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

**Editing**

[G-1]	<code>Graph Editor</code>	Graph Editor
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**Graph concepts**

[G-4]	<code>Concept: gph files</code>	Using <code>gph</code> 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

**Graph schemes**

[G-4]	<code>Schemes intro</code>	Introduction to schemes
[G-4]	<code>Scheme economist</code>	Scheme description: <code>economist</code>
[G-4]	<code>Scheme s1</code>	Scheme description: <code>s1</code> family
[G-4]	<code>Scheme s2</code>	Scheme description: <code>s2</code> family
[G-4]	<code>Scheme sj</code>	Scheme description: <code>sj</code>
[G-4]	<code>Scheme st</code>	Scheme description: <code>st</code> family

**Graph utilities**

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

## Statistics

### ANOVA and related

[U]	Chapter 27	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 models
[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 variances
[R]	<code>correlate</code>	Correlations of variables
[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 intro</code>	Introduction to tables of frequencies, summaries, and command results
[R]	<code>table</code>	Table of frequencies, summaries, and command results
[R]	<code>table hypothesis tests</code>	Table of hypothesis tests
[R]	<code>table multiway</code>	Multiway tables
[R]	<code>table oneway</code>	One-way tabulation
[R]	<code>table summary</code>	Table of summary statistics
[R]	<code>table twoway</code>	Two-way tabulation
[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] total ..... Estimate totals  
 [R] ttest ..... *t* tests (mean-comparison tests)  
 [R] ztest ..... *z* tests (mean-comparison tests, known variance)

**Bayesian analysis**

[U] Section 27.34 ..... Bayesian analysis  
 [BAYES] Intro ..... Introduction to Bayesian analysis  
 [BAYES] Bayesian commands ..... Introduction to commands for Bayesian analysis  
 [BAYES] Bayesian estimation ..... Bayesian estimation commands  
 [BAYES] Bayesian postestimation ..... Postestimation tools for bayesmh and the bayes prefix  
 [BAYES] bayes ..... Bayesian regression models using the bayes prefix  
 [BAYES] bayes: betareg ..... Bayesian beta regression  
 [BAYES] bayes: binreg Bayesian generalized linear models: Extensions to the binomial family  
 [BAYES] bayes: biprobit ..... Bayesian bivariate probit regression  
 [BAYES] bayes: clogit ..... Bayesian conditional logistic regression  
 [BAYES] bayes: cloglog ..... Bayesian complementary log–log regression  
 [BAYES] bayes: dsge ..... Bayesian linear dynamic stochastic general equilibrium models  
 [BAYES] bayes: dsge postestimation .. Postestimation tools for bayes: dsge and bayes: dsge  
 [BAYES] bayes: dsge nl ..... Bayesian nonlinear dynamic stochastic general equilibrium models  
 [BAYES] bayes: dsge nl postestimation .. Postestimation tools for bayes: dsge nl and bayes: dsge nl  
 [BAYES] bayes: fracreg ..... Bayesian fractional response regression  
 [BAYES] bayes: glm ..... Bayesian generalized linear models  
 [BAYES] bayes: gnbreg ..... Bayesian generalized negative binomial regression  
 [BAYES] bayes: heckman ..... Bayesian Heckman selection model  
 [BAYES] bayes: heckprobit ..... Bayesian ordered probit model with sample selection  
 [BAYES] bayes: heckprobit ..... Bayesian probit model with sample selection  
 [BAYES] bayes: hetoprobit ..... Bayesian heteroskedastic ordered probit regression  
 [BAYES] bayes: hetoprobit ..... Bayesian heteroskedastic probit regression  
 [BAYES] bayes: hetregress ..... Bayesian heteroskedastic linear regression  
 [BAYES] bayes: intreg ..... Bayesian interval regression  
 [BAYES] bayes: logistic ..... Bayesian logistic regression, reporting odds ratios  
 [BAYES] bayes: logit ..... Bayesian logistic regression, reporting coefficients  
 [BAYES] bayes: meclolog ..... 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: mestreg ..... Bayesian multilevel parametric survival models  
 [BAYES] bayes: metobit ..... Bayesian multilevel tobit regression  
 [BAYES] bayes: mixed ..... Bayesian multilevel linear regression  
 [BAYES] bayes: mlogit ..... Bayesian multinomial logistic regression  
 [BAYES] bayes: mprobit ..... Bayesian multinomial probit regression  
 [BAYES] bayes: mvreg ..... Bayesian multivariate regression  
 [BAYES] bayes: nbreg ..... Bayesian negative binomial regression  
 [BAYES] bayes: ologit ..... Bayesian ordered logistic regression  
 [BAYES] bayes: oprobit ..... Bayesian ordered probit regression  
 [BAYES] bayes: poisson ..... Bayesian Poisson regression  
 [BAYES] bayes: probit ..... Bayesian probit regression

[BAYES]	<a href="#">bayes: regress</a>	Bayesian linear regression
[BAYES]	<a href="#">bayes: streg</a>	Bayesian parametric survival models
[BAYES]	<a href="#">bayes: tnbreg</a>	Bayesian truncated negative binomial regression
[BAYES]	<a href="#">bayes: tobit</a>	Bayesian tobit regression
[BAYES]	<a href="#">bayes: poisson</a>	Bayesian truncated Poisson regression
[BAYES]	<a href="#">bayes: truncreg</a>	Bayesian truncated regression
[BAYES]	<a href="#">bayes: var</a>	Bayesian vector autoregressive models
[BAYES]	<a href="#">bayes: var postestimation</a>	Postestimation tools for bayes: var
[BAYES]	<a href="#">bayes: xtlogit</a>	Bayesian random-effects logit model
[BAYES]	<a href="#">bayes: xtmlogit</a>	Bayesian random-effects multinomial logit model
[BAYES]	<a href="#">bayes: xtnbreg</a>	Bayesian random-effects negative binomial model
[BAYES]	<a href="#">bayes: xtologit</a>	Bayesian random-effects ordered logistic model
[BAYES]	<a href="#">bayes: xtoprobit</a>	Bayesian random-effects ordered probit model
[BAYES]	<a href="#">bayes: xtpoisson</a>	Bayesian random-effects Poisson model
[BAYES]	<a href="#">bayes: xtprobit</a>	Bayesian random-effects probit model
[BAYES]	<a href="#">bayes: xtreg</a>	Bayesian random-effects linear model
[BAYES]	<a href="#">bayes: zinb</a>	Bayesian zero-inflated negative binomial regression
[BAYES]	<a href="#">bayes: ziologit</a>	Bayesian zero-inflated ordered logit regression
[BAYES]	<a href="#">bayes: zioprobit</a>	Bayesian zero-inflated ordered probit regression
[BAYES]	<a href="#">bayes: zip</a>	Bayesian zero-inflated Poisson regression
[BAYES]	<a href="#">bayesfcst</a>	Bayesian dynamic forecasts
[BAYES]	<a href="#">bayesfcst compute</a>	Compute Bayesian dynamic forecasts
[BAYES]	<a href="#">bayesfcst graph</a>	Graphs of Bayesian dynamic forecasts
[BAYES]	<a href="#">bayesgraph</a>	Graphical summaries and convergence diagnostics
[BAYES]	<a href="#">bayesirf</a>	Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	<a href="#">bayesirf cgraph</a>	Combined graphs of Bayesian IRF results
[BAYES]	<a href="#">bayesirf create</a>	Obtain Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	<a href="#">bayesirf ctable</a>	Combined tables of Bayesian IRF results
[BAYES]	<a href="#">bayesirf graph</a>	Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	<a href="#">bayesirf ograph</a>	Overlaid graphs of Bayesian IRF results
[BAYES]	<a href="#">bayesirf table</a>	Tables of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES]	<a href="#">bayesmh</a>	Bayesian models using Metropolis–Hastings algorithm
[BAYES]	<a href="#">bayesmh evaluators</a>	User-defined evaluators with bayesmh
[BAYES]	<a href="#">bayespredict</a>	Bayesian predictions
[BAYES]	<a href="#">bayesstats</a>	Bayesian statistics after Bayesian estimation
[BAYES]	<a href="#">bayesstats ess</a>	Effective sample sizes and related statistics
[BAYES]	<a href="#">bayesstats grubin</a>	Gelman–Rubin convergence diagnostics
[BAYES]	<a href="#">bayesstats ic</a>	Bayesian information criteria and Bayes factors
[BAYES]	<a href="#">bayesstats pvalues</a>	Bayesian predictive p-values and other predictive summaries
[BAYES]	<a href="#">bayesstats summary</a>	Bayesian summary statistics
[BAYES]	<a href="#">bayestest</a>	Bayesian hypothesis testing
[BAYES]	<a href="#">bayestest interval</a>	Interval hypothesis testing
[BAYES]	<a href="#">bayestest model</a>	Hypothesis testing using model posterior probabilities
[BAYES]	<a href="#">bayesvarstable</a>	Check the stability condition of Bayesian VAR estimates
[BMA]	<a href="#">bmaregress</a>	Bayesian model averaging for linear regression

### Bayesian model averaging

[U]	<a href="#">Section 27.35</a>	Bayesian model averaging
[BMA]	<a href="#">Intro</a>	Introduction to Bayesian model averaging
[BMA]	<a href="#">BMA commands</a>	Introduction to commands for Bayesian model averaging
[BMA]	<a href="#">BMA postestimation</a>	Postestimation tools for Bayesian model averaging

[BMA]	<a href="#">bmacoeffsample</a>	Posterior samples of regression coefficients
[BMA]	<a href="#">bmagraph</a>	Graphical summary for models and predictors after BMA regression
[BMA]	<a href="#">bmagraph coefdensity</a>	Regression coefficient density plots after BMA regression
[BMA]	<a href="#">bmagraph mszie</a>	Model-size distribution plots after BMA regression
[BMA]	<a href="#">bmagraph pmp</a>	Model-probability plots after BMA regression
[BMA]	<a href="#">bmagraph varmap</a>	Variable-inclusion map after BMA regression
[BMA]	<a href="#">bmapredict</a>	Predictions after BMA regression
[BMA]	<a href="#">bmaregress</a>	Bayesian model averaging for linear regression
[BMA]	<a href="#">bmastats</a>	Summary for models and predictors after BMA regression
[BMA]	<a href="#">bmastats jointness</a>	Jointness measures for predictors after BMA regression
[BMA]	<a href="#">bmastats lps</a>	Log predictive-score after BMA regression
[BMA]	<a href="#">bmastats models</a>	Model and variable-inclusion summaries after BMA regression
[BMA]	<a href="#">bmastats mszie</a>	Model-size summary after BMA regression
[BMA]	<a href="#">bmastats pip</a>	Posterior inclusion probabilities for predictors after BMA regression

## Binary outcomes

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

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

## Categorical outcomes

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

## Causal inference and treatment-effects estimation

[U]	Section 27.20	Causal inference
[CAUSAL]	Causal inference commands	Introduction to causal inference commands
[CAUSAL]	DID intro	Introduction to difference-in-differences estimation
[CAUSAL]	Intro	Introduction to causal inference and treatment-effects estimation
[CAUSAL]	didregress	Difference-in-differences estimation
[ERM]	eintreg	Extended interval regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[ERM]	eregress	Extended linear regression
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[CAUSAL]	etregress	Linear regression with endogenous treatment effects
[CAUSAL]	hdidregress	Heterogeneous difference in differences
[CAUSAL]	mediate	Causal mediation analysis
[CAUSAL]	stteffects	Treatment-effects estimation for observational survival-time data
[CAUSAL]	stteffects intro	Introduction to treatment effects for observational survival-time data
[CAUSAL]	stteffects ipw	Survival-time inverse-probability weighting
[CAUSAL]	stteffects ipwra	Survival-time inverse-probability-weighted regression adjustment
[CAUSAL]	stteffects ra	Survival-time regression adjustment
[CAUSAL]	stteffects wra	Survival-time weighted regression adjustment
[CAUSAL]	tebalance	Check balance after teffects or stteffects estimation
[CAUSAL]	tebalance box	Covariate balance box
[CAUSAL]	tebalance density	Covariate balance density
[CAUSAL]	tebalance overid	Test for covariate balance

[CAUSAL]	<a href="#">tebalance summarize</a>	Covariate-balance summary statistics
[CAUSAL]	<a href="#">teffects</a>	Treatment-effects estimation for observational data
[CAUSAL]	<a href="#">teffects aipw</a>	Augmented inverse-probability weighting
[CAUSAL]	<a href="#">teffects intro</a>	Introduction to treatment effects for observational data
[CAUSAL]	<a href="#">teffects intro advanced</a>	Advanced introduction to treatment effects for observational data
[CAUSAL]	<a href="#">teffects ipw</a>	Inverse-probability weighting
[CAUSAL]	<a href="#">teffects ipwra</a>	Inverse-probability-weighted regression adjustment
[CAUSAL]	<a href="#">teffects multivalued</a>	Multivalued treatment effects
[CAUSAL]	<a href="#">teffects nnmatch</a>	Nearest-neighbor matching
[CAUSAL]	<a href="#">teffects psmatch</a>	Propensity-score matching
[CAUSAL]	<a href="#">teffects ra</a>	Regression adjustment
[CAUSAL]	<a href="#">telasso</a>	Treatment-effects estimation using lasso
[CAUSAL]	<a href="#">teoverlap</a>	Overlap plots
[XT]	<a href="#">xtdidregress</a>	Fixed-effects difference-in-differences estimation
[XT]	<a href="#">xteintreg</a>	Extended random-effects interval regression
[XT]	<a href="#">xteoprobit</a>	Extended random-effects ordered probit regression
[XT]	<a href="#">xteprobit</a>	Extended random-effects probit regression
[XT]	<a href="#">xtregress</a>	Extended random-effects linear regression
[CAUSAL]	<a href="#">xthdidregress</a>	Heterogeneous difference in differences for panel data

### Censored and truncated regression models

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

### Choice models

[U]	<a href="#">Section 27.10</a>	Choice models
[CM]	<a href="#">Intro</a>	Introduction to choice models manual
[CM]	<a href="#">Intro 1</a>	Interpretation of choice models
[CM]	<a href="#">Intro 2</a>	Data layout

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

### Cluster analysis

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

### Correspondence analysis

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

### Count outcomes

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.8	Count outcomes
[U]	Section 27.15.3	Discrete outcomes with panel data
[BAYES]	Bayesian estimation	Bayesian estimation commands
[R]	cpoisson	Censored Poisson regression
[LASSO]	dspoisson	Double-selection lasso Poisson regression
[CAUSAL]	eteffects	Endogenous treatment-effects estimation
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[R]	exppoisson	Exact Poisson regression

[FMM]	<a href="#">fmm estimation</a>	Fitting finite mixture models
[R]	<a href="#">heckpoisson</a>	Poisson regression with sample selection
[CAUSAL]	<a href="#">mediate</a>	Causal mediation analysis
[ME]	<a href="#">menbreg</a>	Multilevel mixed-effects negative binomial regression
[ME]	<a href="#">mepoisson</a>	Multilevel mixed-effects Poisson regression
[R]	<a href="#">nbreg</a>	Negative binomial regression
[R]	<a href="#">poisson</a>	Poisson regression
[LASSO]	<a href="#">popoisson</a>	Partialing-out lasso Poisson regression
[CAUSAL]	<a href="#">teffects aipw</a>	Augmented inverse-probability weighting
[CAUSAL]	<a href="#">teffects ipw</a>	Inverse-probability weighting
[CAUSAL]	<a href="#">teffects ipwra</a>	Inverse-probability-weighted regression adjustment
[CAUSAL]	<a href="#">teffects nmatch</a>	Nearest-neighbor matching
[CAUSAL]	<a href="#">teffects psmatch</a>	Propensity-score matching
[CAUSAL]	<a href="#">teffects ra</a>	Regression adjustment
[CAUSAL]	<a href="#">telasso</a>	Treatment-effects estimation using lasso
[R]	<a href="#">tnbreg</a>	Truncated negative binomial regression
[R]	<a href="#">tpoisson</a>	Truncated Poisson regression
[LASSO]	<a href="#">xpopoisson</a>	Cross-fit partialing-out lasso Poisson regression
[XT]	<a href="#">xtnbreg</a>	Fixed-effects, random-effects, & population-averaged negative binomial models
[XT]	<a href="#">xtpoisson</a>	Fixed-effects, random-effects, and population-averaged Poisson models
[R]	<a href="#">zinb</a>	Zero-inflated negative binomial regression
[R]	<a href="#">zip</a>	Zero-inflated Poisson regression

### Discriminant analysis

[MV]	<a href="#">candisc</a>	Canonical linear discriminant analysis
[MV]	<a href="#">discrim</a>	Discriminant analysis
[MV]	<a href="#">discrim estat</a>	Postestimation tools for discrim
[MV]	<a href="#">discrim knn</a>	kth-nearest-neighbor discriminant analysis
[MV]	<a href="#">discrim lda</a>	Linear discriminant analysis
[MV]	<a href="#">discrim logistic</a>	Logistic discriminant analysis
[MV]	<a href="#">discrim qda</a>	Quadratic discriminant analysis
[MV]	<a href="#">scoreplot</a>	Score and loading plots
[MV]	<a href="#">screepplot</a>	Scree plot of eigenvalues

### Do-it-yourself generalized method of moments

[U]	<a href="#">Section 27.24</a>	Generalized method of moments (GMM)
[R]	<a href="#">gmm</a>	Generalized method of moments estimation
[P]	<a href="#">matrix</a>	Introduction to matrix commands

### Do-it-yourself maximum likelihood estimation

[P]	<a href="#">matrix</a>	Introduction to matrix commands
[R]	<a href="#">ml</a>	Maximum likelihood estimation
[R]	<a href="#">mlexp</a>	Maximum likelihood estimation of user-specified expressions

### Dynamic stochastic general equilibrium models

[U]	<a href="#">Section 27.29</a>	Dynamic stochastic general equilibrium (DSGE) models
[DSGE]	<a href="#">Intro</a>	Introduction to DSGE manual
[DSGE]	<a href="#">Intro 1</a>	Introduction to DSGEs
[DSGE]	<a href="#">Intro 2</a>	Learning the syntax
[DSGE]	<a href="#">Intro 3</a>	Classic DSGE examples
[DSGE]	<a href="#">Intro 3a</a>	New Keynesian model

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

## Endogenous covariates

[U]	Chapter 20	.....	Estimation and postestimation commands
[U]	Chapter 27	.....	Overview of Stata estimation commands
[ERM]	eintreg	.....	Extended interval regression
[ERM]	eoprobit	.....	Extended ordered probit regression
[ERM]	eprobit	.....	Extended probit regression
[ERM]	eregress	.....	Extended linear regression
[CAUSAL]	eteffects	.....	Endogenous treatment-effects estimation
[CAUSAL]	etpoisson	.....	Poisson regression with endogenous treatment effects
[CAUSAL]	etregress	.....	Linear regression with endogenous treatment effects
[TS]	forecast	.....	Econometric model forecasting
[R]	gmm	.....	Generalized method of moments estimation
[R]	ivfprobit	.....	Fractional probit model with continuous endogenous covariates
[R]	ivpoisson	.....	Poisson model with continuous endogenous covariates
[R]	ivprobit	.....	Probit model with continuous endogenous covariates
[R]	ivqregress	.....	Instrumental-variables quantile regression
[R]	ivregress	.....	Single-equation instrumental-variables regression
[R]	ivtobit	.....	Tobit model with continuous endogenous covariates
[LASSO]	poivregress	.....	Partialing-out lasso instrumental-variables regression
[R]	reg3	.....	Three-stage estimation for systems of simultaneous equations
[LASSO]	xpoivregress	.....	Cross-fit partialing-out lasso instrumental-variables regression



[XT]	<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>xteintreg</code>	Extended random-effects interval regression
[XT]	<code>xteoprobit</code>	Extended random-effects ordered probit regression
[XT]	<code>xteprobit</code>	Extended random-effects probit regression
[XT]	<code>xtregress</code>	Extended random-effects linear regression
[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

**Epidemiology and related**

[R]	<code>binreg</code>	Generalized linear models: Extensions to the binomial family
[R]	<code>brier</code>	Brier score decomposition
[R]	<code>clogit</code>	Conditional (fixed-effects) logistic regression
[R]	<code>dstdize</code>	Direct and indirect standardization
[R]	<code>Epitab</code>	Tables for epidemiologists
[R]	<code>exlogistic</code>	Exact logistic regression
[R]	<code>expoisson</code>	Exact Poisson regression
[R]	<code>glm</code>	Generalized linear models
[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
[R]	<code>kappa</code>	Interrater agreement
[R]	<code>logistic</code>	Logistic regression, reporting odds ratios
[R]	<code>nbreg</code>	Negative binomial regression
[R]	<code>pk</code>	Pharmacokinetic (biopharmaceutical) data
[R]	<code>pkcollapse</code>	Generate pharmacokinetic measurement dataset
[R]	<code>pkcross</code>	Analyze crossover experiments
[R]	<code>pkequiv</code>	Perform bioequivalence tests
[R]	<code>pkexamine</code>	Calculate pharmacokinetic measures
[R]	<code>pkshape</code>	Reshape (pharmacokinetic) Latin-square data
[R]	<code>pksumm</code>	Summarize pharmacokinetic data
[R]	<code>poisson</code>	Poisson regression
[R]	<code>peri</code>	Relative excess risk due to interaction
[R]	<code>roc</code>	Receiver operating characteristic (ROC) analysis
[R]	<code>roccomp</code>	Tests of equality of ROC areas
[R]	<code>rocfits</code>	Parametric ROC models
[R]	<code>rocreg</code>	Receiver operating characteristic (ROC) regression
[R]	<code>roctab</code>	Nonparametric ROC analysis
[R]	<code>symmetry</code>	Symmetry and marginal homogeneity tests
[R]	<code>tabulate twoway</code>	Two-way table of frequencies

Also see *Multilevel mixed-effects models*, *Survival analysis*, *Structural equation modeling*, and *Causal inference and treatment-effects estimation*.

**Estimation related**

[R]	<code>constraint</code>	Define and list constraints
[R]	<code>eform_option</code>	Displaying exponentiated coefficients
[R]	<code>Estimation options</code>	Estimation options

[R]	<a href="#">fp</a>	Fractional polynomial regression
[R]	<a href="#">IC note</a>	Calculating and interpreting information criteria
[R]	<a href="#">makespline</a>	Spline generation
[R]	<a href="#">Maximize</a>	Details of iterative maximization
[R]	<a href="#">mfp</a>	Multivariable fractional polynomial models
[R]	<a href="#">stepwise</a>	Stepwise estimation
[R]	<a href="#">vce_option</a>	Variance estimators
[XT]	<a href="#">vce_options</a>	Variance estimators

### Exact statistics

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

### Extended regression models

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

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

### Factor analysis and principal components

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

### Finite mixture models

[U]	<a href="#">Section 27.27</a>	Finite mixture models (FMMs)
[FMM]	<a href="#">estat eform</a>	Display exponentiated coefficients
[FMM]	<a href="#">estat lmean</a>	Latent class marginal means
[FMM]	<a href="#">estat lprob</a>	Latent class marginal probabilities
[FMM]	<a href="#">Example 1a</a>	Mixture of linear regression models
[FMM]	<a href="#">Example 1b</a>	Covariates for class membership
[FMM]	<a href="#">Example 1c</a>	Testing coefficients across class models
[FMM]	<a href="#">Example 1d</a>	Component-specific covariates
[FMM]	<a href="#">Example 2</a>	Mixture of Poisson regression models
[FMM]	<a href="#">Example 3</a>	Zero-inflated models
[FMM]	<a href="#">Example 4</a>	Mixture cure models for survival data
[FMM]	<a href="#">fmm</a>	Finite mixture models using the fmm prefix

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

### Fractional outcomes

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

### Generalized linear models

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

### Group sequential designs

[U]	<a href="#">Section 27.33</a>	Power, precision, and sample-size analysis
[ADAPT]	<a href="#">GSD intro</a>	Introduction to group sequential designs
[ADAPT]	<a href="#">Intro</a>	Introduction to adaptive designs for clinical trials
[ADAPT]	<a href="#">gs</a>	Introduction to commands for group sequential design
[ADAPT]	<a href="#">gsbounds</a>	Boundaries for group sequential trials
[ADAPT]	<a href="#">gsdesign</a>	Study design for group sequential trials

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

### Indicator and categorical variables

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

### Item response theory

[U]	<a href="#">Section 27.28</a>	Item response theory (IRT)
[IRT]	<a href="#">Control Panel</a>	IRT Control Panel
[IRT]	<a href="#">DIF</a>	Introduction to differential item functioning
[IRT]	<a href="#">diflogistic</a>	Logistic regression DIF
[IRT]	<a href="#">difmh</a>	Mantel–Haenszel DIF
[IRT]	<a href="#">estat greport</a>	Report estimated group IRT parameters
[IRT]	<a href="#">estat report</a>	Report estimated IRT parameters
[IRT]	<a href="#">irt 1pl</a>	One-parameter logistic model
[IRT]	<a href="#">irt 2pl</a>	Two-parameter logistic model
[IRT]	<a href="#">irt 3pl</a>	Three-parameter logistic model
[IRT]	<a href="#">irt constraints</a>	Specifying constraints
[IRT]	<a href="#">irt grm</a>	Graded response model
[IRT]	<a href="#">irt hybrid</a>	Hybrid IRT models
[IRT]	<a href="#">irt nrm</a>	Nominal response model
[IRT]	<a href="#">irt pcm</a>	Partial credit model
[IRT]	<a href="#">irt rsm</a>	Rating scale model
[IRT]	<a href="#">irt, group()</a>	IRT models for multiple groups
[IRT]	<a href="#">irtgraph icc</a>	Item characteristic curve plot
[IRT]	<a href="#">irtgraph iif</a>	Item information function plot
[IRT]	<a href="#">irtgraph tcc</a>	Test characteristic curve plot
[IRT]	<a href="#">irtgraph tif</a>	Test information function plot

### Lasso

[U]	<a href="#">Section 27.30</a>	Lasso
[LASSO]	<a href="#">Collinear covariates</a>	Treatment of collinear covariates
[LASSO]	<a href="#">Inference examples</a>	Examples and workflow for inference
[LASSO]	<a href="#">Inference requirements</a>	Requirements for inference
[LASSO]	<a href="#">Lasso inference intro</a>	Introduction to inferential lasso models
[LASSO]	<a href="#">Lasso intro</a>	Introduction to lasso
[LASSO]	<a href="#">bicplot</a>	Plot Bayesian information criterion function after lasso
[LASSO]	<a href="#">coefpath</a>	Plot path of coefficients after lasso
[LASSO]	<a href="#">cvplot</a>	Plot cross-validation function after lasso
[LASSO]	<a href="#">dslogit</a>	Double-selection lasso logistic regression
[LASSO]	<a href="#">dspoisson</a>	Double-selection lasso Poisson regression
[LASSO]	<a href="#">dsregress</a>	Double-selection lasso linear regression
[LASSO]	<a href="#">elasticnet</a>	Elastic net for prediction and model selection
[LASSO]	<a href="#">estimates store</a>	Saving and restoring estimates in memory and on disk
[LASSO]	<a href="#">lasso</a>	Lasso for prediction and model selection

[LASSO]	lasso examples	Examples of lasso for prediction
[LASSO]	lasso fitting	The process (in a nutshell) of fitting lasso models
[LASSO]	lasso inference postestimation	Postestimation tools for lasso inferential models
[LASSO]	lasso options	Lasso options for inferential models
[LASSO]	lasso postestimation	Postestimation tools for lasso for prediction
[LASSO]	lassocoef	Display coefficients after lasso estimation results
[LASSO]	lassogof	Goodness of fit after lasso for prediction
[LASSO]	lassoinfo	Display information about lasso estimation results
[LASSO]	lassoknots	Display knot table after lasso estimation
[LASSO]	lassoselect	Select lambda after lasso
[LASSO]	poivregress	Partialing-out lasso instrumental-variables regression
[LASSO]	pologit	Partialing-out lasso logistic regression
[LASSO]	popoisson	Partialing-out lasso Poisson regression
[LASSO]	poregress	Partialing-out lasso linear regression
[LASSO]	sqrtlasso	Square-root lasso for prediction and model selection
[LASSO]	xpoivregress	Cross-fit partialing-out lasso instrumental-variables regression
[LASSO]	xpologit	Cross-fit partialing-out lasso logistic regression
[LASSO]	xpopoisson	Cross-fit partialing-out lasso Poisson regression
[LASSO]	xporegress	Cross-fit partialing-out lasso linear regression

### Latent class models

[U]	Section 27.26	Latent class models
[SEM]	estat lmean	Latent class marginal means
[SEM]	estat lprob	Latent class marginal probabilities
[SEM]	Example 50g	Latent class model
[SEM]	Example 52g	Latent profile model
[SEM]	Example 53g	Finite mixture Poisson regression
[SEM]	Intro 2	Learning the language: Path diagrams and command language
[SEM]	Intro 5	Tour of models

### Linear regression and related

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 27	Overview of Stata estimation commands
[R]	areg	Linear regression with a large dummy-variable set
[BAYES]	Bayesian estimation	Bayesian estimation commands
[BMA]	bmaregress	Bayesian model averaging for linear regression
[R]	cnsreg	Constrained linear regression
[R]	constraint	Define and list constraints
[CAUSAL]	didregress	Difference-in-differences estimation
[LASSO]	dsregress	Double-selection lasso linear regression
[R]	eivreg	Errors-in-variables regression
[ERM]	eregress	Extended linear regression
[CAUSAL]	etpoisson	Poisson regression with endogenous treatment effects
[CAUSAL]	etregress	Linear regression with endogenous treatment effects
[FMM]	fmm estimation	Fitting finite mixture models
[R]	fp	Fractional polynomial regression
[R]	frontier	Stochastic frontier models
[R]	glm	Generalized linear models
[CAUSAL]	hdidregress	Heterogeneous difference in differences
[R]	heckman	Heckman selection model
[R]	hetregress	Heteroskedastic linear regression

[R]	<code>ivpoisson</code>	Poisson model with continuous endogenous covariates
[R]	<code>ivqregress</code>	Instrumental-variables quantile regression
[R]	<code>ivregress</code>	Single-equation instrumental-variables regression
[R]	<code>ivtobit</code>	Tobit model with continuous endogenous covariates
[R]	<code>lpoly</code>	Kernel-weighted local polynomial smoothing
[ME]	<code>meglm</code>	Multilevel mixed-effects generalized linear models
[META]	<code>meta meregress</code>	Multilevel mixed-effects meta-regression
[META]	<code>meta multilevel</code>	Multilevel random-intercepts meta-regression
[META]	<code>meta mvregress</code>	Multivariate meta-regression
[META]	<code>meta regress</code>	Meta-analysis regression
[R]	<code>mfp</code>	Multivariable fractional polynomial models
[ME]	<code>mixed</code>	Multilevel mixed-effects linear regression
[MV]	<code>mvreg</code>	Multivariate regression
[R]	<code>nestreg</code>	Nested model statistics
[TS]	<code>newey</code>	Regression with Newey–West standard errors
[LASSO]	<code>poivregr</code>	Partialing-out lasso instrumental-variables regression
[LASSO]	<code>poregress</code>	Partialing-out lasso linear regression
[TS]	<code>prais</code>	Prais–Winsten and Cochrane–Orcutt regression
[R]	<code>qreg</code>	Quantile regression
[R]	<code>reg3</code>	Three-stage estimation for systems of simultaneous equations
[R]	<code>regress</code>	Linear regression
[R]	<code>rocf</code>	Parametric ROC models
[R]	<code>rreg</code>	Robust regression
[ST]	<code>stcox</code>	Cox proportional hazards model
[ST]	<code>stcrreg</code>	Competing-risks regression
[R]	<code>stepwise</code>	Stepwise estimation
[ST]	<code>stintcox</code>	Cox proportional hazards model for interval-censored survival-time data
[ST]	<code>stintreg</code>	Parametric models for interval-censored survival-time data
[ST]	<code>streg</code>	Parametric survival models
[R]	<code>sureg</code>	Zellner’s seemingly unrelated regression
[R]	<code>tnbreg</code>	Truncated negative binomial regression
[R]	<code>vwls</code>	Variance-weighted least squares
[LASSO]	<code>xpoivregr</code>	Cross-fit partialing-out lasso instrumental-variables regression
[LASSO]	<code>xporegress</code>	Cross-fit partialing-out lasso linear regression
[XT]	<code>xtabond</code>	Arellano–Bond linear dynamic panel-data estimation
[XT]	<code>xtdidregress</code>	Fixed-effects difference-in-differences 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>xteregress</code>	Extended random-effects linear regression
[XT]	<code>xtgee</code>	GEE population-averaged panel-data models
[XT]	<code>xtgls</code>	GLS linear model with heteroskedastic and correlated errors
[CAUSAL]	<code>xthdidregress</code>	Heterogeneous difference in differences for panel data
[XT]	<code>xthheckman</code>	Random-effects regression with sample selection
[XT]	<code>xthtaylor</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
[XT]	<code>xtstreg</code>	Random-effects parametric survival models

**Logistic and probit regression**

[U]	Chapter 20	Estimation and postestimation commands
[U]	Chapter 27	Overview of Stata estimation commands
[R]	biprobit	Bivariate probit regression
[R]	clogit	Conditional (fixed-effects) logistic regression
[R]	cloglog	Complementary log–log regression
[CM]	cmlogit	Conditional logit (McFadden’s) choice model
[CM]	cmmixlogit	Mixed logit choice model
[CM]	cmmprobit	Multinomial probit choice model
[CM]	cmrologit	Rank-ordered logit choice model
[CM]	cmroprobit	Rank-ordered probit choice model
[CM]	cmxtmixlogit	Panel-data mixed logit choice model
[LASSO]	dslogit	Double-selection lasso logistic regression
[ERM]	eoprobit	Extended ordered probit regression
[ERM]	eprobit	Extended probit regression
[R]	exlogistic	Exact logistic regression
[R]	heckoprobit	Ordered probit model with sample selection
[R]	heckprobit	Probit model with sample selection
[R]	hetoprobit	Heteroskedastic ordered probit regression
[R]	hetprobit	Heteroskedastic probit model
[IRT]	irt 1pl	One-parameter logistic model
[IRT]	irt 2pl	Two-parameter logistic model
[IRT]	irt 3pl	Three-parameter logistic model
[IRT]	irt grm	Graded response model
[IRT]	irt hybrid	Hybrid IRT models
[IRT]	irt nrm	Nominal response model
[IRT]	irt pcm	Partial credit model
[IRT]	irt rsm	Rating scale model
[R]	ivfprobit	Fractional probit model with continuous endogenous covariates
[R]	ivprobit	Probit model with continuous endogenous covariates
[R]	logistic	Logistic regression, reporting odds ratios
[R]	logit	Logistic regression, reporting coefficients
[ME]	melogit	Multilevel mixed-effects logistic regression
[ME]	meologit	Multilevel mixed-effects ordered logistic regression
[ME]	meoprobit	Multilevel mixed-effects ordered probit regression
[ME]	meprobit	Multilevel mixed-effects probit regression
[R]	mlogit	Multinomial (polytomous) logistic regression
[R]	mprobit	Multinomial probit regression
[CM]	nlogit	Nested logit regression
[R]	ologit	Ordered logistic regression
[R]	oprobit	Ordered probit regression
[LASSO]	pologit	Partialing-out lasso logistic regression
[R]	probit	Probit regression
[R]	scobit	Skewed logistic regression
[R]	slogit	Stereotype logistic regression
[LASSO]	xpologit	Cross-fit partialing-out lasso logistic regression
[XT]	xtcloglog	Random-effects and population-averaged cloglog models
[XT]	xteoprobit	Extended random-effects ordered probit regression
[XT]	xteprobit	Extended random-effects probit regression
[XT]	xtgee	GEE population-averaged panel-data models
[XT]	xtlogit	Fixed-effects, random-effects, and population-averaged logit models



[XT]	<a href="#">xtmlogit</a>	Fixed-effects and random-effects multinomial logit models
[XT]	<a href="#">xtologit</a>	Random-effects ordered logistic models
[XT]	<a href="#">xtoprobit</a>	Random-effects ordered probit models
[XT]	<a href="#">xtprobit</a>	Random-effects and population-averaged probit models
[R]	<a href="#">ziologit</a>	Zero-inflated ordered logit regression
[R]	<a href="#">zioprobit</a>	Zero-inflated ordered probit regression

### Longitudinal data/panel data

[U]	<a href="#">Chapter 20</a>	Estimation and postestimation commands
[U]	<a href="#">Section 27.15</a>	Panel-data models
[CAUSAL]	<a href="#">didregress</a>	Difference-in-differences estimation
[ERM]	<a href="#">eintreg</a>	Extended interval regression
[ERM]	<a href="#">eoprobit</a>	Extended ordered probit regression
[ERM]	<a href="#">eprobit</a>	Extended probit regression
[ERM]	<a href="#">eregress</a>	Extended linear regression
[CAUSAL]	<a href="#">hdidregress</a>	Heterogeneous difference in differences
[ME]	<a href="#">meologit</a>	Multilevel mixed-effects ordered logistic regression
[ME]	<a href="#">meoprobit</a>	Multilevel mixed-effects ordered probit regression
[ME]	<a href="#">mepoisson</a>	Multilevel mixed-effects Poisson regression
[ME]	<a href="#">meprobit</a>	Multilevel mixed-effects probit regression
[ME]	<a href="#">mixed</a>	Multilevel mixed-effects linear regression
[XT]	<a href="#">quadchk</a>	Check sensitivity of quadrature approximation
[XT]	<a href="#">xt</a>	Introduction to xt commands
[XT]	<a href="#">xtabond</a>	Arellano–Bond linear dynamic panel-data estimation
[XT]	<a href="#">xtcloglog</a>	Random-effects and population-averaged cloglog models
[XT]	<a href="#">xtcointest</a>	Panel-data cointegration tests
[XT]	<a href="#">xtdata</a>	Faster specification searches with xt data
[XT]	<a href="#">xtdescribe</a>	Describe pattern of xt data
[XT]	<a href="#">xtdidregress</a>	Fixed-effects difference-in-differences estimation
[XT]	<a href="#">xtdpd</a>	Linear dynamic panel-data estimation
[XT]	<a href="#">xtdpdsys</a>	Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT]	<a href="#">xteintreg</a>	Extended random-effects interval regression
[XT]	<a href="#">xteoprobit</a>	Extended random-effects ordered probit regression
[XT]	<a href="#">xteprobit</a>	Extended random-effects probit regression
[XT]	<a href="#">xteregress</a>	Extended random-effects linear regression
[XT]	<a href="#">xtfrontier</a>	Stochastic frontier models for panel data
[XT]	<a href="#">xtgee</a>	GEE population-averaged panel-data models
[XT]	<a href="#">xtgls</a>	GLS linear model with heteroskedastic and correlated errors
[CAUSAL]	<a href="#">xthdidregress</a>	Heterogeneous difference in differences for panel data
[XT]	<a href="#">xthckman</a>	Random-effects regression with sample selection
[XT]	<a href="#">xhtaylor</a>	Hausman–Taylor estimator for error-components models
[XT]	<a href="#">xtintreg</a>	Random-effects interval-data regression models
[XT]	<a href="#">xtivreg</a>	Instrumental variables and two-stage least squares for panel-data models
[XT]	<a href="#">xtline</a>	Panel-data line plots
[XT]	<a href="#">xtlogit</a>	Fixed-effects, random-effects, and population-averaged logit models
[XT]	<a href="#">xtmlogit</a>	Fixed-effects and random-effects multinomial logit models
[XT]	<a href="#">xtnbreg</a>	Fixed-effects, random-effects, & population-averaged negative binomial models
[XT]	<a href="#">xtologit</a>	Random-effects ordered logistic models
[XT]	<a href="#">xtoprobit</a>	Random-effects ordered probit models
[XT]	<a href="#">xtpcse</a>	Linear regression with panel-corrected standard errors
[XT]	<a href="#">xtpoisson</a>	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

## Meta-analysis

[U]	Section 27.18	Meta-analysis
[META]	<code>Intro</code>	Introduction to meta-analysis
[META]	<code>estat bubbleplot</code>	Bubble plots after meta regress
[META]	<code>estat group</code>	Summarize the composition of the nested groups
[META]	<code>estat heterogeneity (me)</code>	Compute multilevel heterogeneity statistics
[META]	<code>estat heterogeneity (mv)</code>	Compute multivariate heterogeneity statistics
[META]	<code>estat recovariance</code>	Display estimated random-effects covariance matrices
[META]	<code>estat sd</code>	Display variance components as standard deviations and correlations
[META]	<code>meta</code>	Introduction to meta
[META]	<code>meta bias</code>	Tests for small-study effects in meta-analysis
[META]	<code>meta data</code>	Declare meta-analysis data
[META]	<code>meta esize</code>	Compute effect sizes and declare meta-analysis data
[META]	<code>meta forestplot</code>	Forest plots
[META]	<code>meta funnelplot</code>	Funnel plots
[META]	<code>meta galbraithplot</code>	Galbraith plots
[META]	<code>meta labbeplot</code>	L'Abbé plots
[META]	<code>meta meregress</code>	Multilevel mixed-effects meta-regression
[META]	<code>meta multilevel</code>	Multilevel random-intercepts meta-regression
[META]	<code>meta mvregress</code>	Multivariate meta-regression
[META]	<code>meta regress</code>	Meta-analysis regression
[META]	<code>meta set</code>	Declare meta-analysis data using generic effect sizes
[META]	<code>meta summarize</code>	Summarize meta-analysis data
[META]	<code>meta trimfill</code>	Nonparametric trim-and-fill analysis of publication bias
[META]	<code>meta update</code>	Update, describe, and clear meta-analysis settings

## Mixed models

[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.16	Multilevel mixed-effects models
[R]	<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>meclolog</code>	Multilevel mixed-effects complementary log–log regression

[ME]	<a href="#">meglm</a>	Multilevel mixed-effects generalized linear models
[ME]	<a href="#">meintreg</a>	Multilevel mixed-effects interval regression
[ME]	<a href="#">melogit</a>	Multilevel mixed-effects logistic regression
[ME]	<a href="#">menbreg</a>	Multilevel mixed-effects negative binomial regression
[ME]	<a href="#">menl</a>	Nonlinear mixed-effects regression
[ME]	<a href="#">meologit</a>	Multilevel mixed-effects ordered logistic regression
[ME]	<a href="#">meoprobit</a>	Multilevel mixed-effects ordered probit regression
[ME]	<a href="#">mepoisson</a>	Multilevel mixed-effects Poisson regression
[ME]	<a href="#">meprobit</a>	Multilevel mixed-effects probit regression
[ME]	<a href="#">mestreg</a>	Multilevel mixed-effects parametric survival models
[META]	<a href="#">meta meregress</a>	Multilevel mixed-effects meta-regression
[META]	<a href="#">meta multilevel</a>	Multilevel random-intercepts meta-regression
[ME]	<a href="#">metobit</a>	Multilevel mixed-effects tobit regression
[ME]	<a href="#">mixed</a>	Multilevel mixed-effects linear regression
[XT]	<a href="#">xtcloglog</a>	Random-effects and population-averaged cloglog models
[XT]	<a href="#">xtintreg</a>	Random-effects interval-data regression models
[XT]	<a href="#">xtlogit</a>	Fixed-effects, random-effects, and population-averaged logit models
[XT]	<a href="#">xtlogit</a>	Random-effects ordered logistic models
[XT]	<a href="#">xtoprobit</a>	Random-effects ordered probit models
[XT]	<a href="#">xtprobit</a>	Random-effects and population-averaged probit models
[XT]	<a href="#">xtrc</a>	Random-coefficients model
[XT]	<a href="#">xtreg</a>	Fixed-, between-, and random-effects and population-averaged linear models
[XT]	<a href="#">xttobit</a>	Random-effects tobit models

### Multidimensional scaling and biplots

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

### Multilevel mixed-effects models

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

**Multiple imputation**

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

**Multivariate analysis of variance and related techniques**

[U]	Section 27.22	Multivariate analysis
[MV]	canon	Canonical correlations
[MV]	hotelling	Hotelling's $T^2$ generalized means test
[MV]	manova	Multivariate analysis of variance and covariance
[MV]	mvreg	Multivariate regression
[MV]	mvtest covariances	Multivariate tests of covariances
[MV]	mvtest means	Multivariate tests of means

**Nonlinear regression**

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

**Nonparametric statistics**

[R]	bitest	Binomial probability test
[R]	bootstrap	Bootstrap sampling and estimation
[R]	bsample	Sampling with replacement
[R]	bstat	Report bootstrap results
[R]	centile	Report centile and confidence interval
[R]	cusum	Cusum plots and tests for binary variables
[R]	ivqregress	Instrumental-variables quantile regression
[R]	kdensity	Univariate kernel density estimation

[R]	<code>ksmirnov</code>	.....	Kolmogorov–Smirnov equality-of-distributions test
[R]	<code>kwallis</code>	.....	Kruskal–Wallis equality-of-populations rank test
[R]	<code>lowess</code>	.....	Lowess smoothing
[R]	<code>lpoly</code>	.....	Kernel-weighted local polynomial smoothing
[R]	<code>makespline</code>	.....	Spline generation
[R]	<code>npregress intro</code>	.....	Introduction to nonparametric regression
[R]	<code>npregress kernel</code>	.....	Nonparametric kernel regression
[R]	<code>npregress series</code>	.....	Nonparametric series regression
[R]	<code>nptrend</code>	.....	Tests for trend across ordered groups
[R]	<code>prtest</code>	.....	Tests of proportions
[R]	<code>qreg</code>	.....	Quantile regression
[R]	<code>ranksum</code>	.....	Equality tests on unmatched data
[R]	<code>roc</code>	.....	Receiver operating characteristic (ROC) analysis
[R]	<code>roccomp</code>	.....	Tests of equality of ROC areas
[R]	<code>rocreg</code>	.....	Receiver operating characteristic (ROC) regression
[R]	<code>rocplot</code>	.....	Plot marginal and covariate-specific ROC curves after rocreg
[R]	<code>roctab</code>	.....	Nonparametric ROC analysis
[R]	<code>runtest</code>	.....	Test for random order
[R]	<code>signrank</code>	.....	Equality tests on matched data
[R]	<code>simulate</code>	.....	Monte Carlo simulations
[R]	<code>smooth</code>	.....	Robust nonlinear smoother
[R]	<code>spearman</code>	.....	Spearman’s and Kendall’s correlations
[R]	<code>symmetry</code>	.....	Symmetry and marginal homogeneity tests
[R]	<code>tabulate twoway</code>	.....	Two-way table of frequencies

### Ordinal outcomes

[U]	<code>Chapter 20</code>	.....	Estimation and postestimation commands
[BAYES]	<code>Bayesian estimation</code>	.....	Bayesian estimation commands
[CM]	<code>cmrologit</code>	.....	Rank-ordered logit choice model
[CM]	<code>cmroprobit</code>	.....	Rank-ordered probit choice model
[ERM]	<code>eoprobit</code>	.....	Extended ordered probit regression
[FMM]	<code>fmm estimation</code>	.....	Fitting finite mixture models
[R]	<code>heckoprobit</code>	.....	Ordered probit model with sample selection
[R]	<code>hetoprobit</code>	.....	Heteroskedastic ordered probit regression
[IRT]	<code>irt grm</code>	.....	Graded response model
[IRT]	<code>irt pcm</code>	.....	Partial credit model
[IRT]	<code>irt rsm</code>	.....	Rating scale model
[ME]	<code>meologit</code>	.....	Multilevel mixed-effects ordered logistic regression
[ME]	<code>meoprobit</code>	.....	Multilevel mixed-effects ordered probit regression
[R]	<code>ologit</code>	.....	Ordered logistic regression
[R]	<code>oprobit</code>	.....	Ordered probit regression
[XT]	<code>xteoprobit</code>	.....	Extended random-effects ordered probit regression
[XT]	<code>xtologit</code>	.....	Random-effects ordered logistic models
[XT]	<code>xtoprobit</code>	.....	Random-effects ordered probit models
[R]	<code>ziologit</code>	.....	Zero-inflated ordered logit regression
[R]	<code>zioprobit</code>	.....	Zero-inflated ordered probit regression

### Other statistics

[MV]	<code>alpha</code>	.....	Compute interitem correlations (covariances) and Cronbach’s alpha
[R]	<code>ameans</code>	.....	Arithmetic, geometric, and harmonic means
[R]	<code>brier</code>	.....	Brier score decomposition

[R]	centile	Report centile and confidence interval
[R]	kappa	Interrater agreement
[MV]	mvtest	Multivariate tests of correlations
[R]	pcorr	Partial and semipartial correlation coefficients
[D]	pctile	Create variable containing percentiles
[D]	range	Generate numerical range

### Pharmacokinetic statistics

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

### Power, precision, and sample size

[U]	Section 27.33	Power, precision, and sample-size analysis
[PSS-1]	Intro	Introduction to power, precision, and sample-size analysis
[PSS-3]	Intro (ciwidth)	Introduction to precision and sample-size analysis for confidence intervals
[PSS-2]	Intro (power)	Introduction to power and sample-size analysis for hypothesis tests
[PSS-3]	ciwidth	Precision and sample-size analysis for CIs
[PSS-3]	ciwidth onemean	Precision analysis for a one-mean CI
[PSS-3]	ciwidth onevariance	Precision analysis for a one-variance CI
[PSS-3]	ciwidth pairedmeans	Precision analysis for a paired-means-difference CI
[PSS-3]	ciwidth twomeans	Precision analysis for a two-means-difference CI
[PSS-3]	ciwidth usermethod	Add your own methods to the ciwidth command
[PSS-3]	ciwidth, graph	Graph results from the ciwidth command
[PSS-3]	ciwidth, table	Produce table of results from the ciwidth command
[PSS-3]	GUI (ciwidth)	Graphical user interface for precision and sample-size analysis
[PSS-2]	GUI (power)	Graphical user interface for power and sample-size analysis
[PSS-2]	power	Power and sample-size analysis for hypothesis tests
[PSS-2]	power cmh	Power and sample size for the Cochran–Mantel–Haenszel test
[PSS-2]	power cox	Power analysis for the Cox proportional hazards model
[PSS-2]	power exponential	Power analysis for a two-sample exponential test
[PSS-2]	power logrank	Power analysis for the log-rank test
[PSS-2]	power logrank, cluster	Power analysis for the log-rank test, CRD
[PSS-2]	power mcc	Power analysis for matched case–control studies
[PSS-2]	power onecorrelation	Power analysis for a one-sample correlation test
[PSS-2]	power onemean	Power analysis for a one-sample mean test
[PSS-2]	power onemean, cluster	Power analysis for a one-sample mean test, CRD
[PSS-2]	power oneproportion	Power analysis for a one-sample proportion test
[PSS-2]	power oneproportion, cluster	Power analysis for a one-sample proportion test, CRD
[PSS-2]	power oneslope	Power analysis for a slope test in a simple linear regression
[PSS-2]	power onevariance	Power analysis for a one-sample variance test
[PSS-2]	power oneway	Power analysis for one-way analysis of variance
[PSS-2]	power pairedmeans	Power analysis for a two-sample paired-means test
[PSS-2]	power pairedproportions	Power analysis for a two-sample paired-proportions test
[PSS-2]	power pcorr	Power analysis for a partial-correlation test in a multiple linear regression
[PSS-2]	power repeated	Power analysis for repeated-measures analysis of variance

[PSS-2]	<a href="#">power rsquared</a>	Power analysis for an $R^2$ test in a multiple linear regression
[PSS-2]	<a href="#">power trend</a>	Power analysis for the Cochran–Armitage trend test
[PSS-2]	<a href="#">power twocorrelations</a>	Power analysis for a two-sample correlations test
[PSS-2]	<a href="#">power twomeans</a>	Power analysis for a two-sample means test
[PSS-2]	<a href="#">power twomeans, cluster</a>	Power analysis for a two-sample means test, CRD
[PSS-2]	<a href="#">power twoproportions</a>	Power analysis for a two-sample proportions test
[PSS-2]	<a href="#">power twoproportions, cluster</a>	Power analysis for a two-sample proportions test, CRD
[PSS-2]	<a href="#">power twovariances</a>	Power analysis for a two-sample variances test
[PSS-2]	<a href="#">power twoway</a>	Power analysis for two-way analysis of variance
[PSS-2]	<a href="#">power usermethod</a>	Add your own methods to the power command
[PSS-2]	<a href="#">power, graph</a>	Graph results from the power command
[PSS-2]	<a href="#">power, table</a>	Produce table of results from the power command
[PSS-4]	<a href="#">Unbalanced designs</a>	Specifications for unbalanced designs

### Quality control

[R]	<a href="#">QC</a>	Quality control charts
[R]	<a href="#">cusum</a>	Cusum plots and tests for binary variables
[R]	<a href="#">serbar</a>	Graph standard error bar chart

### ROC analysis

[U]	<a href="#">Section 27.4.3</a>	ROC analysis
[R]	<a href="#">roc</a>	Receiver operating characteristic (ROC) analysis
[R]	<a href="#">roccomp</a>	Tests of equality of ROC areas
[R]	<a href="#">rocfits</a>	Parametric ROC models
[R]	<a href="#">rocfits postestimation</a>	Postestimation tools for rocfits
[R]	<a href="#">roclogit</a>	Receiver operating characteristic (ROC) regression
[R]	<a href="#">roclogit postestimation</a>	Postestimation tools for roclogit
[R]	<a href="#">roclogitplot</a>	Plot marginal and covariate-specific ROC curves after roclogit
[R]	<a href="#">rocnb</a>	Nonparametric ROC analysis

### Rotation

[MV]	<a href="#">procrustes</a>	Procrustes transformation
[MV]	<a href="#">rotate</a>	Orthogonal and oblique rotations after factor and pca
[MV]	<a href="#">rotatemat</a>	Orthogonal and oblique rotations of a Stata matrix

### Sample selection models

[U]	<a href="#">Chapter 20</a>	Estimation and postestimation commands
[U]	<a href="#">Section 27.13</a>	Models with endogenous sample selection
[BAYES]	<a href="#">Bayesian estimation</a>	Bayesian estimation commands
[ERM]	<a href="#">eintreg</a>	Extended interval regression
[ERM]	<a href="#">eoprobit</a>	Extended ordered probit regression
[ERM]	<a href="#">eprobit</a>	Extended probit regression
[ERM]	<a href="#">eregress</a>	Extended linear regression
[CAUSAL]	<a href="#">etpoisson</a>	Poisson regression with endogenous treatment effects
[CAUSAL]	<a href="#">etreg</a>	Linear regression with endogenous treatment effects
[R]	<a href="#">heckman</a>	Heckman selection model
[R]	<a href="#">heckoprobit</a>	Ordered probit model with sample selection
[R]	<a href="#">heckpoisson</a>	Poisson regression with sample selection
[R]	<a href="#">heckprobit</a>	Probit model with sample selection
[XT]	<a href="#">xteintreg</a>	Extended random-effects interval regression
[XT]	<a href="#">xteoprobit</a>	Extended random-effects ordered probit regression

[XT]	<code>xtprobit</code>	Extended random-effects probit regression
[XT]	<code>xteregress</code>	Extended random-effects linear regression
[XT]	<code>xthekman</code>	Random-effects regression with sample selection

### Simulation/resampling

[R]	<code>bootstrap</code>	Bootstrap sampling and estimation
[R]	<code>bsample</code>	Sampling with replacement
[R]	<code>jackknife</code>	Jackknife estimation
[R]	<code>permute</code>	Permutation tests
[R]	<code>simulate</code>	Monte Carlo simulations
[R]	<code>wildbootstrap</code>	Wild cluster bootstrap inference

### Spatial autoregressive models

[U]	Section 27.19	Spatial autoregressive models
[SP]	<code>Intro</code>	Introduction to spatial data and SAR models
[SP]	<code>Intro 1</code>	A brief introduction to SAR models
[SP]	<code>Intro 2</code>	The W matrix
[SP]	<code>Intro 3</code>	Preparing data for analysis
[SP]	<code>Intro 4</code>	Preparing data: Data with shapefiles
[SP]	<code>Intro 5</code>	Preparing data: Data containing locations (no shapefiles)
[SP]	<code>Intro 6</code>	Preparing data: Data without shapefiles or locations
[SP]	<code>Intro 7</code>	Example from start to finish
[SP]	<code>Intro 8</code>	The Sp estimation commands
[SP]	<code>estat moran</code>	Moran's test of residual correlation with nearby residuals
[SP]	<code>grmap</code>	Graph choropleth maps
[SP]	<code>spbalance</code>	Make panel data strongly balanced
[SP]	<code>spcompress</code>	Compress Stata-format shapefile
[SP]	<code>spdistance</code>	Calculator for distance between places
[SP]	<code>spgenerate</code>	Generate variables containing spatial lags
[SP]	<code>spivregress</code>	Spatial autoregressive models with endogenous covariates
[SP]	<code>spmatrix</code>	Categorical guide to the spmatrix command
[SP]	<code>spmatrix copy</code>	Copy spatial weighting matrix stored in memory
[SP]	<code>spmatrix create</code>	Create standard weighting matrices
[SP]	<code>spmatrix drop</code>	List and delete weighting matrices stored in memory
[SP]	<code>spmatrix export</code>	Export weighting matrix to text file
[SP]	<code>spmatrix fromdata</code>	Create custom weighting matrix from data
[SP]	<code>spmatrix import</code>	Import weighting matrix from text file
[SP]	<code>spmatrix matafromsp</code>	Copy weighting matrix to Mata
[SP]	<code>spmatrix normalize</code>	Normalize weighting matrix
[SP]	<code>spmatrix note</code>	Put note on weighting matrix, or display it
[SP]	<code>spmatrix save</code>	Save spatial weighting matrix to file
[SP]	<code>spmatrix spfrommata</code>	Copy Mata matrix to Sp
[SP]	<code>spmatrix summarize</code>	Summarize weighting matrix stored in memory
[SP]	<code>spmatrix use</code>	Load spatial weighting matrix from file
[SP]	<code>spmatrix userdefined</code>	Create custom weighting matrix
[SP]	<code>spregress</code>	Spatial autoregressive models
[SP]	<code>spset</code>	Declare data to be Sp spatial data
[SP]	<code>spshape2dta</code>	Translate shapefile to Stata format
[SP]	<code>spxtregress</code>	Spatial autoregressive models for panel data



## Standard postestimation tests, tables, and other analyses

[U]	Section 13.5	Accessing coefficients and standard errors
[U]	Chapter 20	Estimation and postestimation commands
[R]	contrast	Contrasts and linear hypothesis tests after estimation
[R]	correlate	Correlations of variables
[R]	estat	Postestimation statistics
[R]	estat ic	Display information criteria
[R]	estat summarize	Summarize estimation sample
[R]	estat vce	Display covariance matrix estimates
[R]	estimates	Save and manipulate estimation results
[R]	estimates describe	Describe estimation results
[R]	estimates for	Repeat postestimation command across models
[R]	estimates notes	Add notes to estimation results
[R]	estimates replay	Redisplay estimation results
[R]	estimates save	Save and use estimation results
[R]	estimates selected	Show selected coefficients
[R]	estimates stats	Model-selection statistics
[R]	estimates store	Store and restore estimation results
[R]	estimates table	Compare estimation results
[R]	estimates title	Set title for estimation results
[TS]	forecast	Econometric model forecasting
[TS]	forecast adjust	Adjust variables to produce alternative forecasts
[TS]	forecast clear	Clear current model from memory
[TS]	forecast coefvector	Specify an equation via a coefficient vector
[TS]	forecast create	Create a new forecast model
[TS]	forecast describe	Describe features of the forecast model
[TS]	forecast drop	Drop forecast variables
[TS]	forecast estimates	Add estimation results to a forecast model
[TS]	forecast exogenous	Declare exogenous variables
[TS]	forecast identity	Add an identity to a forecast model
[TS]	forecast list	List forecast commands composing current model
[TS]	forecast query	Check whether a forecast model has been started
[TS]	forecast solve	Obtain static and dynamic forecasts
[R]	hausman	Hausman specification test
[R]	lincom	Linear combinations of parameters
[R]	linktest	Specification link test for single-equation models
[R]	lrtest	Likelihood-ratio test after estimation
[R]	margins, contrast	Contrasts of margins
[R]	margins, pwcompare	Pairwise comparisons of margins
[CM]	margins	Adjusted predictions, predictive margins, and marginal effects
[R]	marginsplot	Graph results from margins (profile plots, etc.)
[R]	margins	Marginal means, predictive margins, and marginal effects
[MV]	mvtest	Multivariate tests
[R]	nlcom	Nonlinear combinations of parameters
[R]	postest	Postestimation Selector
[R]	predict	Obtain predictions, residuals, etc., after estimation
[R]	predictnl	Obtain nonlinear predictions, standard errors, etc., after estimation
[R]	pwcompare	Pairwise comparisons
[R]	suest	Seemingly unrelated estimation
[R]	test	Test linear hypotheses after estimation
[R]	testnl	Test nonlinear hypotheses after estimation

**Structural equation modeling**

[U]	Section 27.25	Structural equation modeling (SEM)
[SEM]	Builder	SEM Builder
[SEM]	Builder, generalized	SEM Builder for generalized models
[SEM]	Intro 1	Introduction
[SEM]	Intro 2	Learning the language: Path diagrams and command language
[SEM]	Intro 3	Learning the language: Factor-variable notation (gsem only)
[SEM]	Intro 4	Substantive concepts
[SEM]	Intro 5	Tour of models
[SEM]	Intro 6	Comparing groups
[SEM]	Intro 7	Postestimation tests and predictions
[SEM]	Intro 8	Robust and clustered standard errors
[SEM]	Intro 9	Standard errors, the full story
[SEM]	Intro 10	Fitting models with survey data
[SEM]	Intro 11	Fitting models with summary statistics data (sem only)
[SEM]	Intro 12	Convergence problems and how to solve them
[SEM]	estat eform	Display exponentiated coefficients
[SEM]	estat eqgof	Equation-level goodness-of-fit statistics
[SEM]	estat eqtest	Equation-level tests that all coefficients are zero
[SEM]	estat framework	Display estimation results in modeling framework
[SEM]	estat ggof	Group-level goodness-of-fit statistics
[SEM]	estat ginvariant	Tests for invariance of parameters across groups
[SEM]	estat gof	Goodness-of-fit statistics
[SEM]	estat lcgof	Latent class goodness-of-fit statistics
[SEM]	estat lmean	Latent class marginal means
[SEM]	estat lprob	Latent class marginal probabilities
[SEM]	estat mindices	Modification indices
[SEM]	estat residuals	Display mean and covariance residuals
[SEM]	estat scoretests	Score tests
[SEM]	estat sd	Display variance components as standard deviations and correlations
[SEM]	estat stable	Check stability of nonrecursive system
[SEM]	estat stdize	Test standardized parameters
[SEM]	estat summarize	Report summary statistics for estimation sample
[SEM]	estat teffects	Decomposition of effects into total, direct, and indirect
[SEM]	Example 1	Single-factor measurement model
[SEM]	Example 2	Creating a dataset from published covariances
[SEM]	Example 3	Two-factor measurement model
[SEM]	Example 4	Goodness-of-fit statistics
[SEM]	Example 5	Modification indices
[SEM]	Example 6	Linear regression
[SEM]	Example 7	Nonrecursive structural model
[SEM]	Example 8	Testing that coefficients are equal, and constraining them
[SEM]	Example 9	Structural model with measurement component
[SEM]	Example 10	MIMIC model
[SEM]	Example 11	estat framework
[SEM]	Example 12	Seemingly unrelated regression
[SEM]	Example 13	Equation-level Wald test
[SEM]	Example 14	Predicted values
[SEM]	Example 15	Higher-order CFA
[SEM]	Example 16	Correlation
[SEM]	Example 17	Correlated uniqueness model

[SEM]	Example 18	Latent growth model
[SEM]	Example 19	Creating multiple-group summary statistics data
[SEM]	Example 20	Two-factor measurement model by group
[SEM]	Example 21	Group-level goodness of fit
[SEM]	Example 22	Testing parameter equality across groups
[SEM]	Example 23	Specifying parameter constraints across groups
[SEM]	Example 24	Reliability
[SEM]	Example 25	Creating summary statistics data from raw data
[SEM]	Example 26	Fitting a model with data missing at random
[SEM]	Example 27g	Single-factor measurement model (generalized response)
[SEM]	Example 28g	One-parameter logistic IRT (Rasch) model
[SEM]	Example 29g	Two-parameter logistic IRT model
[SEM]	Example 30g	Two-level measurement model (multilevel, generalized response)
[SEM]	Example 31g	Two-factor measurement model (generalized response)
[SEM]	Example 32g	Full structural equation model (generalized response)
[SEM]	Example 33g	Logistic regression
[SEM]	Example 34g	Combined models (generalized responses)
[SEM]	Example 35g	Ordered probit and ordered logit
[SEM]	Example 36g	MIMIC model (generalized response)
[SEM]	Example 37g	Multinomial logistic regression
[SEM]	Example 38g	Random-intercept and random-slope models (multilevel)
[SEM]	Example 39g	Three-level model (multilevel, generalized response)
[SEM]	Example 40g	Crossed models (multilevel)
[SEM]	Example 41g	Two-level multinomial logistic regression (multilevel)
[SEM]	Example 42g	One- and two-level mediation models (multilevel)
[SEM]	Example 43g	Tobit regression
[SEM]	Example 44g	Interval regression
[SEM]	Example 45g	Heckman selection model
[SEM]	Example 46g	Endogenous treatment-effects model
[SEM]	Example 47g	Exponential survival model
[SEM]	Example 48g	Loglogistic survival model with censored and truncated data
[SEM]	Example 49g	Multiple-group Weibull survival model
[SEM]	Example 50g	Latent class model
[SEM]	Example 51g	Latent class goodness-of-fit statistics
[SEM]	Example 52g	Latent profile model
[SEM]	Example 53g	Finite mixture Poisson regression
[SEM]	Example 54g	Finite mixture Poisson regression, multiple responses
[SEM]	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]	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]	<code>predict after gsem</code> .....	Generalized linear predictions, etc.
[SEM]	<code>predict after sem</code> .....	Factor scores, linear predictions, etc.
[SEM]	<code>sem</code> .....	Structural equation model estimation command
[SEM]	<code>sem and gsem option constraints()</code> .....	Specifying constraints
[SEM]	<code>sem and gsem option covstructure()</code> .....	Specifying covariance restrictions
[SEM]	<code>sem and gsem option from()</code> .....	Specifying starting values
[SEM]	<code>sem and gsem option reliability()</code> .....	Fraction of variance not due to measurement error
[SEM]	<code>sem and gsem path notation</code> .....	Command syntax for path diagrams
[SEM]	<code>sem and gsem syntax options</code> .....	Options affecting interpretation of syntax
[SEM]	<code>sem estimation options</code> .....	Options affecting estimation
[SEM]	<code>sem group options</code> .....	Fitting models on different groups
[SEM]	<code>sem model description options</code> .....	Model description options
[SEM]	<code>sem option method()</code> .....	Specifying method and calculation of VCE
[SEM]	<code>sem option noxconditional</code> .....	Computing means, etc., of observed exogenous variables
[SEM]	<code>sem option select()</code> .....	Using <code>sem</code> with summary statistics data
[SEM]	<code>sem path notation extensions</code> .....	Command syntax for path diagrams
[SEM]	<code>sem postestimation</code> .....	Postestimation tools for <code>sem</code>
[SEM]	<code>sem reporting options</code> .....	Options affecting reporting of results
[SEM]	<code>sem ssd options</code> .....	Options for use with summary statistics data
[SEM]	<code>ssd</code> .....	Making summary statistics data ( <code>sem</code> only)
[SEM]	<code>test</code> .....	Wald test of linear hypotheses
[SEM]	<code>testnl</code> .....	Wald test of nonlinear hypotheses

## Survey data

[U]	Chapter 20 .....	Estimation and postestimation commands
[U]	Section 27.31 .....	Survey data
[SVY]	Survey .....	Introduction to survey commands
[SVY]	<code>bootstrap_options</code> .....	More options for bootstrap variance estimation
[SVY]	<code>brr_options</code> .....	More options for BRR variance estimation
[SVY]	Calibration .....	Calibration for survey data
[SVY]	Direct standardization .....	Direct standardization of means, proportions, and ratios
[SVY]	<code>estat</code> .....	Postestimation statistics for survey data
[TABLES]	Example 7 .....	Table of regression results using survey data
[SVY]	<code>jackknife_options</code> .....	More options for jackknife variance estimation
[SVY]	<code>ml for svy</code> .....	Maximum pseudolikelihood estimation for survey data
[SVY]	Poststratification .....	Poststratification for survey data
[P]	<code>_robust</code> .....	Robust variance estimates
[SVY]	<code>sdr_options</code> .....	More options for SDR variance estimation
[SVY]	Subpopulation estimation .....	Subpopulation estimation for survey data
[SVY]	<code>svy</code> .....	The survey prefix command
[SVY]	<code>svy bootstrap</code> .....	Bootstrap for survey data
[SVY]	<code>svy brr</code> .....	Balanced repeated replication for survey data
[SVY]	<code>svy estimation</code> .....	Estimation commands for survey data
[SVY]	<code>svy jackknife</code> .....	Jackknife estimation for survey data
[SVY]	<code>svy postestimation</code> .....	Postestimation tools for <code>svy</code>
[SVY]	<code>svy sdr</code> .....	Successive difference replication for survey data
[SVY]	<code>svy: tabulate oneway</code> .....	One-way tables for survey data
[SVY]	<code>svy: tabulate twoway</code> .....	Two-way tables for survey data
[SVY]	<code>svydescribe</code> .....	Describe survey data
[SVY]	<code>svymarkout</code> ..	Mark observations for exclusion on the basis of survey characteristics
[SVY]	<code>svyset</code> .....	Declare survey design for dataset

[MI]	<code>mi XXXset</code> .....	Declare <code>mi</code> data to be <code>svy</code> , <code>st</code> , <code>ts</code> , <code>xt</code> , etc.
[SVY]	<code>Variance estimation</code> .....	Variance estimation for survey data

## Survival analysis

[U]	<code>Chapter 20</code> .....	Estimation and postestimation commands
[U]	<code>Section 27.15.5</code> .....	Survival models with panel data
[U]	<code>Section 27.17</code> .....	Survival analysis models
[U]	<code>Section 27.20</code> .....	Causal inference
[U]	<code>Section 27.33</code> .....	Power, precision, and sample-size analysis
[ST]	<code>Survival analysis</code> .....	Introduction to survival analysis commands
[ST]	<code>adjustfor_option</code> .....	Adjust survivor and related functions for covariates at specific values
[BAYES]	<code>bayes: streg</code> .....	Bayesian parametric survival models
[ST]	<code>ct</code> .....	Count-time data
[ST]	<code>ctset</code> .....	Declare data to be count-time data
[ST]	<code>cttost</code> .....	Convert count-time data to survival-time data
[ST]	<code>Discrete</code> .....	Discrete-time survival analysis
[LASSO]	<code>elasticnet</code> .....	Elastic net for prediction and model selection
[ST]	<code>estat gofplot</code> .....	Goodness-of-fit plots after <code>streg</code> , <code>stcox</code> , <code>stintreg</code> , or <code>stintcox</code>
[FMM]	<code>fmm: streg</code> .....	Finite mixtures of parametric survival models
[LASSO]	<code>lasso</code> .....	Lasso for prediction and model selection
[ST]	<code>ltable</code> .....	Life tables for survival data
[ME]	<code>mestreg</code> .....	Multilevel mixed-effects parametric survival models
[R]	<code>eri</code> .....	Relative excess risk due to interaction
[ST]	<code>snapspan</code> .....	Convert snapshot data to time-span data
[ST]	<code>st</code> .....	Survival-time data
[ST]	<code>st_is</code> .....	Survival analysis subroutines for programmers
[ST]	<code>stbase</code> .....	Form baseline dataset
[ST]	<code>stci</code> .....	Confidence intervals for means and percentiles of survival time
[ST]	<code>stcox</code> .....	Cox proportional hazards model
[ST]	<code>stcox PH-assumption tests</code> .....	Tests of proportional-hazards assumption after <code>stcox</code>
[ST]	<code>stcrreg</code> .....	Competing-risks regression
[ST]	<code>stcurve</code> .....	Plot the survivor or related function after <code>streg</code> , <code>stcox</code> , and more
[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>stintcox</code> .....	Cox proportional hazards model for interval-censored survival-time data
[ST]	<code>stintcox PH-assumption plots</code> .....	Plots of proportional-hazards assumption after <code>stintcox</code>
[ST]	<code>stintreg</code> .....	Parametric models for interval-censored survival-time data
[ST]	<code>stir</code> .....	Report incidence-rate comparison
[ST]	<code>stmc</code> .....	Calculate rate ratios with the Mantel–Cox method
[ST]	<code>stmh</code> .....	Calculate rate ratios with the Mantel–Haenszel method
[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 related functions
[ST]	<code>sts generate</code> .....	Create variables containing survivor and related functions
[ST]	<code>sts graph</code> .....	Graph the survivor or related function
[ST]	<code>sts list</code> .....	List the survivor or related 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 <code>mi</code> data to be <code>svy</code> , <code>st</code> , <code>ts</code> , <code>xt</code> , etc.
[ST]	<code>stsplit</code>	Split and join time-span records
[MI]	<code>mi stsplit</code>	Split and join time-span records for <code>mi</code> data
[ST]	<code>stsum</code>	Summarize survival-time data
[CAUSAL]	<code>stteffects ipw</code>	Survival-time inverse-probability weighting
[CAUSAL]	<code>stteffects ipwra</code>	Survival-time inverse-probability-weighted regression adjustment
[CAUSAL]	<code>stteffects ra</code>	Survival-time regression adjustment
[CAUSAL]	<code>stteffects wra</code>	Survival-time weighted regression adjustment
[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
[XT]	<code>xtstreg</code>	Random-effects parametric survival models

Also see *Power, precision, and sample size*.

### Time series, multivariate

[U]	Section 11.4.4	Time-series varlists
[U]	Section 13.10	Time-series operators
[U]	Chapter 20	Estimation and postestimation commands
[U]	Section 27.14	Time-series models
[TS]	Time series	Introduction to time-series commands
[TS]	<code>dfactor</code>	Dynamic-factor models
[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 variables to produce alternative forecasts
[TS]	<code>forecast clear</code>	Clear current model from memory
[TS]	<code>forecast coefvector</code>	Specify an equation via a coefficient vector
[TS]	<code>forecast create</code>	Create a new forecast model
[TS]	<code>forecast describe</code>	Describe features of the forecast model
[TS]	<code>forecast drop</code>	Drop forecast variables
[TS]	<code>forecast estimates</code>	Add estimation results to a forecast model
[TS]	<code>forecast exogenous</code>	Declare exogenous variables
[TS]	<code>forecast identity</code>	Add an identity to a forecast model
[TS]	<code>forecast list</code>	List forecast commands composing current model
[TS]	<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]	<code>irf cgraph</code>	Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	<code>irf create</code>	Obtain IRFs, dynamic-multiplier functions, and FEVDs
[TS]	<code>irf ctable</code>	Combined tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	<code>irf describe</code>	Describe an IRF file
[TS]	<code>irf drop</code>	Drop IRF results from the active IRF file
[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>irf rename</code>	Rename an IRF result in an IRF file
[TS]	<code>irf set</code>	Set the active IRF file
[TS]	<code>irf table</code>	Tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS]	<code>lpirf</code>	Local-projection impulse–response functions
[TS]	<code>mgarch</code>	Multivariate GARCH models
[TS]	<code>mgarch ccc</code>	Constant conditional correlation multivariate GARCH models

[TS]	<a href="#">mgarch dcc</a>	Dynamic conditional correlation multivariate GARCH models
[TS]	<a href="#">mgarch dvech</a>	Diagonal vech multivariate GARCH models
[TS]	<a href="#">mgarch vcc</a>	Varying conditional correlation multivariate GARCH models
[TS]	<a href="#">rolling</a>	Rolling-window and recursive estimation
[TS]	<a href="#">spspace</a>	State-space models
[TS]	<a href="#">tsappend</a>	Add observations to a time-series dataset
[TS]	<a href="#">tsfill</a>	Fill in gaps in time variable
[TS]	<a href="#">tsline</a>	Time-series line plots
[TS]	<a href="#">tsreport</a>	Report time-series aspects of a dataset or estimation sample
[TS]	<a href="#">tsrevar</a>	Time-series operator programming command
[TS]	<a href="#">tsset</a>	Declare data to be time-series data
[TS]	<a href="#">var intro</a>	Introduction to vector autoregressive models
[TS]	<a href="#">var svar</a>	Structural vector autoregressive models
[TS]	<a href="#">var</a>	Vector autoregressive models
[TS]	<a href="#">varbasic</a>	Fit a simple VAR and graph IRFs or FEVDs
[TS]	<a href="#">vargranger</a>	Pairwise Granger causality tests after var or svar
[TS]	<a href="#">varlmar</a>	LM test for residual autocorrelation after var or svar
[TS]	<a href="#">varnorm</a>	Test for normally distributed disturbances after var or svar
[TS]	<a href="#">varsoc</a>	Obtain lag-order selection statistics for VARs and VECMs
[TS]	<a href="#">varstable</a>	Check the stability condition of VAR or SVAR estimates
[TS]	<a href="#">varwle</a>	Obtain Wald lag-exclusion statistics after var or svar
[TS]	<a href="#">vec intro</a>	Introduction to vector error-correction models
[TS]	<a href="#">vec</a>	Vector error-correction models
[TS]	<a href="#">veclmar</a>	LM test for residual autocorrelation after vec
[TS]	<a href="#">vecnorm</a>	Test for normally distributed disturbances after vec
[TS]	<a href="#">vecrank</a>	Estimate the cointegrating rank of a VECM
[TS]	<a href="#">vecstable</a>	Check the stability condition of VECM estimates
[TS]	<a href="#">xcorr</a>	Cross-correlogram for bivariate time series

### Time series, univariate

[U]	<a href="#">Section 11.4.4</a>	Time-series varlists
[U]	<a href="#">Section 13.10</a>	Time-series operators
[U]	<a href="#">Chapter 20</a>	Estimation and postestimation commands
[U]	<a href="#">Section 27.14</a>	Time-series models
[TS]	<a href="#">Time series</a>	Introduction to time-series commands
[TS]	<a href="#">arch</a>	Autoregressive conditional heteroskedasticity (ARCH) family of estimators
[TS]	<a href="#">arfima</a>	Autoregressive fractionally integrated moving-average models
[TS]	<a href="#">arfimasoc</a>	Obtain lag-order selection statistics for ARFIMAs
[TS]	<a href="#">arima</a>	ARIMA, ARMAX, and other dynamic regression models
[TS]	<a href="#">arimasoc</a>	Obtain lag-order selection statistics for ARMAs
[TS]	<a href="#">corrgram</a>	Tabulate and graph autocorrelations
[TS]	<a href="#">cumsp</a>	Graph cumulative spectral distribution
[TS]	<a href="#">dfgls</a>	DF-GLS unit-root test
[TS]	<a href="#">dfuller</a>	Augmented Dickey–Fuller unit-root test
[TS]	<a href="#">estat acplot</a>	Plot parametric autocorrelation and autocovariance functions
[TS]	<a href="#">estat aroots</a>	Check the stability condition of ARIMA estimates
[TS]	<a href="#">estat sbcusum</a>	Cumulative sum test for parameter stability
[TS]	<a href="#">estat sbknown</a>	Test for a structural break with a known break date
[TS]	<a href="#">estat sbsingle</a>	Test for a structural break with an unknown break date
[TS]	<a href="#">forecast</a>	Econometric model forecasting
[TS]	<a href="#">forecast adjust</a>	Adjust variables to produce alternative forecasts

[TS]	forecast clear	Clear current model from memory
[TS]	forecast coefvector	Specify an equation via a coefficient vector
[TS]	forecast create	Create a new forecast model
[TS]	forecast describe	Describe features of the forecast model
[TS]	forecast drop	Drop forecast variables
[TS]	forecast estimates	Add estimation results to a forecast model
[TS]	forecast exogenous	Declare exogenous variables
[TS]	forecast identity	Add an identity to a forecast model
[TS]	forecast list	List forecast commands composing current model
[TS]	forecast query	Check whether a forecast model has been started
[TS]	forecast solve	Obtain static and dynamic forecasts
[TS]	mswitch	Markov-switching regression models
[TS]	newey	Regression with Newey–West standard errors
[TS]	pergram	Periodogram
[TS]	pperron	Phillips–Perron unit-root test
[TS]	prais	Prais–Winsten and Cochrane–Orcutt regression
[TS]	psdensity	Parametric spectral density estimation after arima, arfima, and ucm
[R]	regress postestimation time series	Postestimation tools for regress with time series
[TS]	rolling	Rolling-window and recursive estimation
[TS]	sspace	State-space models
[TS]	threshold	Threshold regression
[TS]	tsappend	Add observations to a time-series dataset
[TS]	tsfill	Fill in gaps in time variable
[TS]	tsfilter	Filter a time series for cyclical components
[TS]	tsfilter bk	Baxter–King time-series filter
[TS]	tsfilter bw	Butterworth time-series filter
[TS]	tsfilter cf	Christiano–Fitzgerald time-series filter
[TS]	tsfilter hp	Hodrick–Prescott time-series filter
[TS]	tsline	Time-series line plots
[TS]	tsreport	Report time-series aspects of a dataset or estimation sample
[TS]	tsrevar	Time-series operator programming command
[TS]	tsset	Declare data to be time-series data
[TS]	tssmooth	Smooth and forecast univariate time-series data
[TS]	tssmooth exponential	Double-exponential smoothing
[TS]	tssmooth exponential	Single-exponential smoothing
[TS]	tssmooth hwinters	Holt–Winters nonseasonal smoothing
[TS]	tssmooth ma	Moving-average filter
[TS]	tssmooth nl	Nonlinear filter
[TS]	tssmooth shwinters	Holt–Winters seasonal smoothing
[TS]	ucm	Unobserved-components model
[TS]	wntestb	Bartlett’s periodogram-based test for white noise
[TS]	wntestq	Portmanteau (Q) test for white noise
[TS]	xcorr	Cross-correlogram for bivariate time series

### Transforms and normality tests

[R]	boxcox	Box–Cox regression models
[R]	fp	Fractional polynomial regression
[R]	ladder	Ladder of powers
[R]	lnskew0	Find zero-skewness log or Box–Cox transform
[R]	mfp	Multivariable fractional polynomial models
[MV]	mvtest normality	Multivariate normality tests



[R]	sktest	Skewness and kurtosis tests for normality
[R]	swilk	Shapiro–Wilk and Shapiro–Francia tests for normality

## Matrix commands

### Basics

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

### Programming

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

### 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]	<i>Mata Reference Manual</i>	

## 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]	<a href="#">continue</a>	Break out of loops
[P]	<a href="#">error</a>	Display generic error message and exit
[P]	<a href="#">foreach</a>	Loop over items
[P]	<a href="#">forvalues</a>	Loop over consecutive values
[P]	<a href="#">if</a>	if programming command
[P]	<a href="#">version</a>	Version control
[P]	<a href="#">while</a>	Looping

### Parsing and program arguments

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

### Console output

[U]	<a href="#">Section 12.4.2</a>	Handling Unicode strings
[P]	<a href="#">Dialog programming</a>	Dialog programming
[P]	<a href="#">display</a>	Display strings and values of scalar expressions
[P]	<a href="#">smcl</a>	Stata Markup and Control Language
[P]	<a href="#">tabdisp</a>	Display tables
[D]	<a href="#">unicode</a>	Unicode utilities

### Commonly used programming commands

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

### Debugging

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

### Advanced programming commands

[U]	<a href="#">Section 12.4.2.5</a>	Sorting strings containing Unicode characters
[RPT]	<a href="#">Appendix for putdocx</a>	Appendix for putdocx entries

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

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

### Special-interest programming commands

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

### Projects

[P]	<a href="#">Project Manager</a>	Organize Stata files
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### File formats

[P]	<a href="#">File formats .dta</a>	Description of .dta file format
[P]	<a href="#">File formats .dtas</a>	Description of Stata frameset (.dtas) file format
[D]	<a href="#">unicode convertfile</a>	Low-level file conversion between encodings
[D]	<a href="#">unicode translate</a>	Translate files to Unicode

### Mata

[M]	<a href="#">Mata Reference Manual</a>	
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## Customizable tables and collections

[TABLES]	<a href="#">Intro</a>	Introduction
[TABLES]	<a href="#">Intro 1</a>	How to read this manual
[TABLES]	<a href="#">Intro 2</a>	A tour of concepts and commands
[TABLES]	<a href="#">Intro 3</a>	Workflow outline

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

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

## Automated document and report creation

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

## Interface features

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