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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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Data manipulation and management

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[FN] Matrix functions
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Dates and times

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[D] Datetime Date and time values and variables
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[D] jdbc . . . . . Load, write, or view data from a database with a Java API
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[MI] mi append . . . . . Append mi data
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[D] fralias . . . . . Alias variables from linked frames
[D] frget . . . . . Copy variables from linked frame
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[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

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[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

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[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

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[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

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[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

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[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

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[D] drawnorm . . . . . Draw sample from multivariate normal distribution
[R] dydx . . . . . Calculate numeric derivatives and integrals
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[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

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[D] frame change . . . . . Change identity of current (working) frame
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[D] frame create . . . . . Create a new frame
[D] frame drop . . . . . Drop frames from memory
[D] frame prefix . . . . . The frame prefix command
[D] frame put . . . . . Copy selected variables or observations to a new frame
[D] frame pwf . . . . . Display name of current (working) frame
[D] frame rename . . . . . Rename existing frame
[D] frames . . . . . Data frames
[D] frames describe . . . . . Describe frames in memory or in a file
[D] frames dir . . . . . Display names of all frames in memory
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[D] frames modify . . . . . Modify a set of frames on disk
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[D] frames use . . . . . Load a set of frames from disk
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[D] frlink . . . . . Link frames
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[MI] mi append . . . . . Append mi data
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[MI] mi describe . . . . . Describe mi data
[MI] mi erase . . . . . Erase mi datasets
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[MI] mi export . . . . . Export mi data
[MI] mi export ice . . . . . Export mi data to ice format
[MI] mi export nhanes1 . . . . . Export mi data to NHANES format
[MI] mi extract . . . . . Extract original or imputed data from mi data
[MI] mi import . . . . . Import data into mi
[MI] mi import flong . . . . . Import flong-like data into mi
[MI] mi import flongsep . . . . . Import flongsep-like data into mi
[MI] mi import ice . . . . . Import ice-format data into mi
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[MI] mi passive . . . . . Generate/replace and register passive variables

[MI] mi ptrace . . . . . Load parameter-trace file into Stata
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[MI] mi reset . . . . . Reset imputed or passive variables
[MI] mi reshape . . . . . Reshape mi data
[MI] mi set . . . . . Declare multiple-imputation data
[MI] mi stsplit . . . . . Split and join time-span records for mi data
[MI] mi update . . . . . Ensure that mi data are consistent
[MI] mi varying . . . . . Identify variables that vary across imputations
[MI] mi xeq . . . . . Execute command(s) on individual imputations
[MI] mi XXXset . . . . . Declare mi data to be svy, st, ts, xt, etc.
[MI] noupdate option . . . . . The noupdate option
[MI] Styles . . . . . Dataset styles
[MI] Workflow . . . . . Suggested workflow

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

Internet

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

Data types and memory

[U] Chapter 6 . . . . . Managing memory
[U] Section 12.2.2 . . . . . Numeric storage types
[U] Section 12.4 . . . . . Strings
[U] Section 12.4.2 . . . . . Handling Unicode strings
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[D] Data types . . . . . Quick reference for data types
[D] memory . . . . . Memory management
[D] Missing values . . . . . Quick reference for missing values
[D] recast . . . . . Change storage type of variable

Advanced utilities

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

[D] vl rebuild . . . . . Rebuild variable lists
[D] vl set . . . . . Set system-defined variable lists
[R] which . . . . . Display location of an ado-file

Graphics

Bayesian analysis graphs

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

Bayesian model averaging graphs

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

Common graphs

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

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

Distributional graphs

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

H2O machine learning graphs

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

Item response theory graphs

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

Lasso graphs

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

Meta-analysis graphs

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

Multivariate graphs

[MV] biplot . . . . . Biplots
[MV] ca postestimation . . . . . Postestimation tools for ca and camat
[MV] ca postestimation plots . . . . . Postestimation plots for ca and camat
[MV] cluster dendrogram . . . . . Dendrograms for hierarchical cluster analysis
[MV] mca postestimation . . . . . Postestimation tools for mca
[MV] mca postestimation plots . . . . . Postestimation plots for mca
[MV] mds postestimation . . . . . Postestimation tools for mds, mdsmat, and mdslong
[MV] mds postestimation plots . . . . . Postestimation plots for mds, mdsmat, and mdslong

[MV] procrustes postestimation . . . . . Postestimation tools for procrustes
[MV] scoreplot . . . . . Score and loading plots
[MV] screeplot . . . . . Scree plot of eigenvalues

Power, precision, and sample-size graphs

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

Quality control

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

Regression diagnostic plots

[R] regress postestimation diagnostic plots . . . . . Postestimation plots for regress

ROC analysis

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

Smoothing and densities

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

Survival-analysis graphs

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

Time-series graphs

[TS] corrgram . . . . . Tabulate and graph autocorrelations
[TS] cumsp . . . . . Graph cumulative spectral distribution
[TS] estat acplot . . . . . Plot parametric autocorrelation and autocovariance functions

[TS] estat aroots . . . . . Check the stability condition of ARIMA estimates
[TS] estat sbcusum . . . . . Cumulative sum test for parameter stability
[TS] fcast graph . . . . . Graph forecasts after fcast compute
[TS] irf cgraph . . . . . Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf graph . . . . . Graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf ograph . . . . . Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS] pergram . . . . . Periodogram
[TS] tsline . . . . . Time-series line plots
[TS] varstable . . . . . Check eigenvalue stability condition
[TS] vecstable . . . . . Check the stability condition of VEC model estimates
[TS] wntestb . . . . . Bartlett's periodogram-based test for white noise
[TS] xcorr . . . . . Cross-correlogram for bivariate time series

More statistical graphs

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

Editing

[G-1] Graph Editor . . . . . Graph Editor

Graph concepts

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

Graph schemes

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

Graph utilities

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

Statistics

ANOVA and related

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

Basic statistics

[R] anova . . . . . Analysis of variance and covariance
[R] bitest . . . . . Binomial probability test
[R] ci . . . . . Confidence intervals for means, proportions, and variances
[R] correlate . . . . . Correlations of variables
[D] egen . . . . . Extensions to generate
[R] esize . . . . . Effect size based on mean comparison
[R] icc . . . . . Intraclass correlation coefficients
[R] mean . . . . . Estimate means
[R] misstable . . . . . Tabulate missing values
[MV] mvtest . . . . . Multivariate tests
[R] oneway . . . . . One-way analysis of variance
[R] proportion . . . . . Estimate proportions
[R] prtest . . . . . Tests of proportions
[R] pwmean . . . . . Pairwise comparisons of means
[R] ranksum . . . . . Equality tests on unmatched data
[R] ratio . . . . . Estimate ratios
[R] regress . . . . . Linear regression
[R] sdtest . . . . . Variance-comparison tests
[R] signrank . . . . . Equality tests on matched data
[D] statsby . . . . . Collect statistics for a command across a by list
[R] summarize . . . . . Summary statistics
[R] table intro . . . . . Introduction to tables of frequencies, summaries, and command results
[R] table . . . . . Table of frequencies, summaries, and command results
[R] table hypothesis tests . . . . . Table of hypothesis tests
[R] table multiway . . . . . Multiway tables
[R] table oneway . . . . . One-way tabulation
[R] table summary . . . . . Table of summary statistics
[R] table twoway . . . . . Two-way tabulation
[R] tabstat . . . . . Compact table of summary statistics
[R] tabulate oneway . . . . . One-way table of frequencies

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

Bayesian analysis

[U] Section 27.34 . . . . . 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 after Bayesian estimation
[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: dsgenl
[BAYES] bayes: dsgenl . . . . . Bayesian nonlinear dynamic stochastic general equilibrium models
[BAYES] bayes: fracreg . . . . . Bayesian fractional response regression
[BAYES] bayes: glm . . . . . Bayesian generalized linear models
[BAYES] bayes: gnbreg . . . . . Bayesian generalized negative binomial regression
[BAYES] bayes: heckman . . . . . Bayesian Heckman selection model
[BAYES] bayes: heckoprobit . . . . . Bayesian ordered probit model with sample selection
[BAYES] bayes: heckprobit . . . . . Bayesian probit model with sample selection
[BAYES] bayes: hetoprobit . . . . . Bayesian heteroskedastic ordered probit regression
[BAYES] bayes: hetprobit . . . . . Bayesian heteroskedastic probit regression
[BAYES] bayes: hetregress . . . . . Bayesian heteroskedastic linear regression
[BAYES] bayes: intreg . . . . . Bayesian interval regression
[BAYES] bayes: logistic . . . . . Bayesian logistic regression, reporting odds ratios
[BAYES] bayes: logit . . . . . Bayesian logistic regression, reporting coefficients
[BAYES] bayes: mecloglog . . . . . Bayesian multilevel complementary log–log regression
[BAYES] bayes: meglm . . . . . Bayesian multilevel generalized linear model
[BAYES] bayes: meintreg . . . . . Bayesian multilevel interval regression
[BAYES] bayes: melogit . . . . . Bayesian multilevel logistic regression
[BAYES] bayes: menbreg . . . . . Bayesian multilevel negative binomial regression
[BAYES] bayes: meologit . . . . . Bayesian multilevel ordered logistic regression
[BAYES] bayes: meoprobit . . . . . Bayesian multilevel ordered probit regression
[BAYES] bayes: mepoisson . . . . . Bayesian multilevel Poisson regression
[BAYES] bayes: meprobit . . . . . Bayesian multilevel probit regression
[BAYES] bayes: mestreg . . . . . Bayesian multilevel parametric survival models
[BAYES] bayes: metobit . . . . . Bayesian multilevel tobit regression
[BAYES] bayes: mixed . . . . . Bayesian multilevel linear regression
[BAYES] bayes: mlogit . . . . . Bayesian multinomial logistic regression
[BAYES] bayes: mprobit . . . . . Bayesian multinomial probit regression
[BAYES] bayes: mvreg . . . . . Bayesian multivariate regression

[BAYES] bayes: nbreg . . . . . Bayesian negative binomial regression
[BAYES] bayes: ologit . . . . . Bayesian ordered logistic regression
[BAYES] bayes: oprobit . . . . . Bayesian ordered probit regression
[BAYES] bayes: poisson . . . . . Bayesian Poisson regression
[BAYES] bayes: probit . . . . . Bayesian probit regression
[BAYES] bayes: qreg . . . . . Bayesian quantile regression
[BAYES] bayes: regress . . . . . Bayesian linear regression
[BAYES] bayes: streg . . . . . Bayesian parametric survival models
[BAYES] bayes: tnbreg . . . . . Bayesian truncated negative binomial regression
[BAYES] bayes: tobit . . . . . Bayesian tobit regression
[BAYES] bayes: tpoisson . . . . . Bayesian truncated Poisson regression
[BAYES] bayes: truncreg . . . . . Bayesian truncated regression
[BAYES] bayes: var . . . . . Bayesian vector autoregressive models
[BAYES] bayes: var postestimation . . . . . Postestimation tools for bayes: var
[BAYES] bayes: xtlogit . . . . . Bayesian random-effects logit model
[BAYES] bayes: xtmlogit . . . . . Bayesian random-effects multinomial logit model
[BAYES] bayes: xtnbreg . . . . . Bayesian random-effects negative binomial model
[BAYES] bayes: xtologit . . . . . Bayesian random-effects ordered logistic model
[BAYES] bayes: xtoprobit . . . . . Bayesian random-effects ordered probit model
[BAYES] bayes: xtpoisson . . . . . Bayesian random-effects Poisson model
[BAYES] bayes: xtprobit . . . . . Bayesian random-effects probit model
[BAYES] bayes: xtreg . . . . . Bayesian random-effects linear model
[BAYES] bayes: zinb . . . . . Bayesian zero-inflated negative binomial regression
[BAYES] bayes: ziologit . . . . . Bayesian zero-inflated ordered logit regression
[BAYES] bayes: zioprobit . . . . . Bayesian zero-inflated ordered probit regression
[BAYES] bayes: zip . . . . . Bayesian zero-inflated Poisson regression
[R] bayesboot . . . . . Bayesian bootstrap estimation
[BAYES] bayesfcast . . . . . Bayesian dynamic forecasts
[BAYES] bayesfcast compute . . . . . Compute Bayesian dynamic forecasts
[BAYES] bayesfcast graph . . . . . Graphs of Bayesian dynamic forecasts
[BAYES] bayesgraph . . . . . Graphical summaries and convergence diagnostics
[BAYES] bayesirf . . . . . Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES] bayesirf cgraph . . . . . Combined graphs of Bayesian IRF results
[BAYES] bayesirf create . . . . . Obtain Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES] bayesirf ctable . . . . . Combined tables of Bayesian IRF results
[BAYES] bayesirf graph . . . . Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES] bayesirf ograph . . . . . Overlaid graphs of Bayesian IRF results
[BAYES] bayesirf table . . . . Tables of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
[BAYES] bayesmh . . . . . Bayesian models using Metropolis–Hastings algorithm
[BAYES] bayesmh evaluators . . . . . User-defined evaluators with bayesmh
[BAYES] bayespredict . . . . . Bayesian predictions
[BAYES] bayesselect . . . . . Bayesian variable selection for linear regression
[BAYES] bayesstats . . . . . Bayesian statistics after Bayesian estimation
[BAYES] bayesstats ess . . . . . Effective sample sizes and related statistics
[BAYES] bayesstats grubin . . . . . Gelman–Rubin convergence diagnostics
[BAYES] bayesstats ic . . . . . Bayesian information criteria and Bayes factors
[BAYES] bayesstats ppvalues . . . . . Bayesian predictive p-values and other predictive summaries
[BAYES] bayesstats summary . . . . . Bayesian summary statistics

[BAYES] bayestest . . . . . Bayesian hypothesis testing
[BAYES] bayestest interval . . . . . Interval hypothesis testing
[BAYES] bayestest model . . . . . Hypothesis testing using model posterior probabilities
[BAYES] bayesvarstable . . . . . Check the stability condition of Bayesian VAR estimates
[BMA] bmaregress . . . . . Bayesian model averaging for linear regression
[R] rwgen . . . . . Generate replicate weights for bootstrap estimation

Bayesian model averaging

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

Binary outcomes

[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Section 27.4 . . . . . Binary outcomes
[BAYES] Bayesian estimation . . . . . Bayesian estimation commands
[R] binreg . . . . . Generalized linear models: Extensions to the binomial family
[R] biprobit . . . . . Bivariate probit regression
[R] cfprobit . . . . . Control-function probit regression
[R] cloglog . . . . . Complementary log–log regression
[LASSO] dslogit . . . . . Double-selection lasso logistic regression
[ERM] eprobit . . . . . Extended probit regression
[CAUSAL] eteffects . . . . . Endogenous treatment-effects estimation
[R] exlogistic . . . . . Exact logistic regression
[FMM] fmm estimation . . . . . Fitting finite mixture models
[R] glm . . . . . Generalized linear models
[H2OML] h2oml gbbinclass . . . . . Gradient boosting binary classification
[H2OML] h2oml rfbinclass . . . . . Random forest binary classification
[R] heckprobit . . . . . Probit model with sample selection
[R] hetprobit . . . . . Heteroskedastic probit model
[IRT] irt 1pl . . . . . One-parameter logistic model
[IRT] irt 2pl . . . . . Two-parameter logistic model
[IRT] irt 3pl . . . . . Three-parameter logistic model
[IRT] irt hybrid . . . . . Hybrid IRT models

[R] ivprobit . . . . . Probit model with continuous endogenous covariates
[R] logistic . . . . . Logistic regression, reporting odds ratios
[R] logit . . . . . Logistic regression, reporting coefficients
[ME] mecloglog . . . . . Multilevel mixed-effects complementary log–log regression
[CAUSAL] mediate . . . . . Causal mediation analysis
[ME] melogit . . . . . Multilevel mixed-effects logistic regression
[ME] meprobit . . . . . Multilevel mixed-effects probit regression
[LASSO] pologit . . . . . Partialing-out lasso logistic regression
[R] probit . . . . . Probit regression
[R] rocfit . . . . . Parametric ROC models
[R] rocreg . . . . . Parametric and nonparametric ROC regression
[R] scobit . . . . . Skewed logistic regression
[CAUSAL] teffects aipw . . . . . Augmented inverse-probability weighting
[CAUSAL] teffects ipw . . . . . Inverse-probability weighting
[CAUSAL] teffects ipwra . . . . . Inverse-probability-weighted regression adjustment
[CAUSAL] teffects nnmatch . . . . . Nearest-neighbor matching
[CAUSAL] teffects psmatch . . . . . Propensity-score matching
[CAUSAL] teffects ra . . . . . Regression adjustment
[CAUSAL] telasso . . . . . Treatment-effects estimation using lasso
[LASSO] xpologit . . . . . Cross-fit partialing-out lasso logistic regression
[XT] xtcloglog . . . . . Random-effects and population-averaged cloglog models
[XT] xteprobit . . . . . Extended random-effects probit regression
[XT] xtlogit . . . . . Fixed-effects, random-effects, and population-averaged logit models
[XT] xtprobit . . . . . Random-effects and population-averaged probit models

Categorical outcomes

[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Section 27.6 . . . . . Ordinal outcomes
[U] Section 27.7 . . . . . Categorical outcomes
[BAYES] Bayesian estimation . . . . . Bayesian estimation commands
[R] clogit . . . . . Conditional (fixed-effects) logistic regression
[CM] cmclogit . . . . . Conditional logit (McFadden's) choice model
[CM] cmmixlogit . . . . . Mixed logit choice model
[CM] cmmprobit . . . . . Multinomial probit choice model
[CM] cmxtmixlogit . . . . . Panel-data mixed logit choice model
[FMM] fmm estimation . . . . . Fitting finite mixture models
[H2OML] h2oml gbmulticlass . . . . . Gradient boosting multiclass classification
[H2OML] h2oml rfmulticlass . . . . . Random forest multiclass classification
[IRT] irt nrm . . . . . Nominal response model
[R] mlogit . . . . . Multinomial (polytomous) logistic regression
[R] mprobit . . . . . Multinomial probit regression
[CM] nlogit . . . . . Nested logit regression
[R] slogit . . . . . Stereotype logistic regression
[XT] xtmlogit . . . . . Fixed-effects and random-effects multinomial logit models

Causal inference and treatment-effects estimation

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

[CAUSAL] DID intro . . . . . Introduction to difference-in-differences estimation
[CAUSAL] Intro . . . . . Introduction to causal inference and treatment-effects estimation
[CAUSAL] cate . . . . . Conditional average treatment-effects estimation
[CAUSAL] didregress . . . . . Difference-in-differences estimation
[ERM] eintreg . . . . . Extended interval regression
[ERM] eoprobit . . . . . Extended ordered probit regression
[ERM] eprobit . . . . . Extended probit regression
[ERM] eregress . . . . . Extended linear regression
[CAUSAL] eteffects . . . . . Endogenous treatment-effects estimation
[CAUSAL] etpoisson . . . . . Poisson regression with endogenous treatment effects
[CAUSAL] etregress . . . . . Linear regression with endogenous treatment effects
[CAUSAL] hdidregress . . . . . Heterogeneous difference in differences
[CAUSAL] mediate . . . . . Causal mediation analysis
[CAUSAL] stteffects . . . . . Treatment-effects estimation for observational survival-time data
[CAUSAL] stteffects intro . . . . Introduction to treatment effects for observational survival-time data
[CAUSAL] stteffects ipw . . . . . Survival-time inverse-probability weighting
[CAUSAL] stteffects ipwra . . . . . Survival-time inverse-probability-weighted regression adjustment
[CAUSAL] stteffects ra . . . . . Survival-time regression adjustment
[CAUSAL] stteffects wra . . . . . Survival-time weighted regression adjustment
[CAUSAL] tebalance . . . . . Check balance after teffects or stteffects estimation
[CAUSAL] tebalance box . . . . . Covariate balance box
[CAUSAL] tebalance density . . . . . Covariate balance density
[CAUSAL] tebalance overid . . . . . Test for covariate balance
[CAUSAL] tebalance summarize . . . . . Covariate-balance summary statistics
[CAUSAL] teffects . . . . . Treatment-effects estimation for observational data
[CAUSAL] teffects aipw . . . . . Augmented inverse-probability weighting
[CAUSAL] teffects intro . . . . . Introduction to treatment effects for observational data
[CAUSAL] teffects intro advanced Advanced introduction to treatment effects for observational data
[CAUSAL] teffects ipw . . . . . Inverse-probability weighting
[CAUSAL] teffects ipwra . . . . . Inverse-probability-weighted regression adjustment
[CAUSAL] teffects multivalued . . . . . Multivalued treatment effects
[CAUSAL] teffects nnmatch . . . . . Nearest-neighbor matching
[CAUSAL] teffects psmatch . . . . . Propensity-score matching
[CAUSAL] teffects ra . . . . . Regression adjustment
[CAUSAL] telasso . . . . . Treatment-effects estimation using lasso
[CAUSAL] teoverlap . . . . . Overlap plots
[XT] xtdidregress . . . . . Fixed-effects difference-in-differences estimation
[XT] xteintreg . . . . . Extended random-effects interval regression
[XT] xteoprobit . . . . . Extended random-effects ordered probit regression
[XT] xteprobit . . . . . Extended random-effects probit regression
[XT] xteregress . . . . . Extended random-effects linear regression
[CAUSAL] xthdidregress . . . . . Heterogeneous difference in differences for panel data

Censored and truncated regression models

[R] churdle . . . . . Cragg hurdle regression
[R] cpoisson . . . . . Censored Poisson regression
[ERM] eintreg . . . . . Extended interval regression
[R] heckman . . . . . Heckman selection model

[R] heckoprobit . . . . . Ordered probit model with sample selection
[R] heckprobit . . . . . Probit model with sample selection
[R] intreg . . . . . Interval regression
[ME] meintreg . . . . . Multilevel mixed-effects interval regression
[ME] mestreg . . . . . Multilevel mixed-effects parametric survival models
[ME] metobit . . . . . Multilevel mixed-effects tobit regression
[ST] stintcox . . . . . Cox proportional hazards model for interval-censored survival-time data
[ST] stintreg . . . . . Parametric models for interval-censored survival-time data
[ST] stmgintcox . . . . . Marginal Cox PH model for interval-censored multiple-event data
[ST] streg . . . . . Parametric survival models
[CAUSAL] stteffects . . . . . Treatment-effects estimation for observational survival-time data
[R] tnbreg . . . . . Truncated negative binomial regression
[R] tobit . . . . . Tobit regression
[R] tpoisson . . . . . Truncated Poisson regression
[R] truncreg . . . . . Truncated regression
[XT] xteintreg . . . . . Extended random-effects interval regression
[XT] xtheckman . . . . . Random-effects regression with sample selection
[XT] xtintreg . . . . . Random-effects interval-data regression model
[XT] xtstreg . . . . . Random-effects parametric survival models
[XT] xttobit . . . . . Random-effects tobit model

Choice models

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

Cluster analysis

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

Correspondence analysis

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

Count outcomes

[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Section 27.8 . . . . . Count outcomes
[U] Section 27.15.3 . . . . . Discrete outcomes with panel data
[BAYES] Bayesian estimation . . . . . Bayesian estimation commands
[R] cpoisson . . . . . Censored Poisson regression
[LASSO] dspoisson . . . . . Double-selection lasso Poisson regression
[CAUSAL] eteffects . . . . . Endogenous treatment-effects estimation
[CAUSAL] etpoisson . . . . . Poisson regression with endogenous treatment effects
[R] expoisson . . . . . Exact Poisson regression
[FMM] fmm estimation . . . . . Fitting finite mixture models
[R] heckpoisson . . . . . Poisson regression with sample selection
[CAUSAL] mediate . . . . . Causal mediation analysis
[ME] menbreg . . . . . Multilevel mixed-effects negative binomial regression
[ME] mepoisson . . . . . Multilevel mixed-effects Poisson regression
[R] nbreg . . . . . Negative binomial regression
[R] poisson . . . . . Poisson regression
[LASSO] popoisson . . . . . Partialing-out lasso Poisson regression
[CAUSAL] teffects aipw . . . . . Augmented inverse-probability weighting
[CAUSAL] teffects ipw . . . . . Inverse-probability weighting
[CAUSAL] teffects ipwra . . . . . Inverse-probability-weighted regression adjustment
[CAUSAL] teffects nnmatch . . . . . Nearest-neighbor matching
[CAUSAL] teffects psmatch . . . . . Propensity-score matching
[CAUSAL] teffects ra . . . . . Regression adjustment
[CAUSAL] telasso . . . . . Treatment-effects estimation using lasso
[R] tnbreg . . . . . Truncated negative binomial regression
[R] tpoisson . . . . . Truncated Poisson regression

[LASSO] xpopoisson . . . . . Cross-fit partialing-out lasso Poisson regression
[XT] xtnbreg Fixed-effects, random-effects, & population-averaged negative binomial models
[XT] xtpoisson . . . . Fixed-effects, random-effects, and population-averaged Poisson models
[R] zinb . . . . . Zero-inflated negative binomial regression
[R] zip . . . . . Zero-inflated Poisson regression

Discriminant analysis

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

Do-it-yourself generalized method of moments

[U] Section 27.24 . . . . . Generalized method of moments (GMM)
[R] gmm . . . . . Generalized method of moments estimation
[P] matrix . . . . . Introduction to matrix commands

Do-it-yourself maximum likelihood estimation

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

Dynamic stochastic general equilibrium models

[U] Section 27.29 . . . . . Dynamic stochastic general equilibrium (DSGE) models
[DSGE] Intro . . . . . Introduction to DSGE manual
[DSGE] Intro 1 . . . . . Introduction to DSGEs
[DSGE] Intro 2 . . . . . Learning the syntax
[DSGE] Intro 3 . . . . . Classic DSGE examples
[DSGE] Intro 3a . . . . . New Keynesian model
[DSGE] Intro 3b . . . . . New Classical model
[DSGE] Intro 3c . . . . . Financial frictions model
[DSGE] Intro 3d . . . . . Nonlinear New Keynesian model
[DSGE] Intro 3e . . . . . Nonlinear New Classical model
[DSGE] Intro 3f . . . . . Stochastic growth model
[DSGE] Intro 4 . . . . . Writing a DSGE in a solvable form
[DSGE] Intro 4a . . . . . Specifying a shock on a control variable
[DSGE] Intro 4b . . . . . Including a lag of a control variable
[DSGE] Intro 4c . . . . . Including a lag of a state variable
[DSGE] Intro 4d . . . . . Including an expectation dated by more than one period ahead
[DSGE] Intro 4e . . . . . Including a second-order lag of a control
[DSGE] Intro 4f . . . . . Including an observed exogenous variable
[DSGE] Intro 4g . . . . . Correlated state variables
[DSGE] Intro 5 . . . . . Stability conditions

[DSGE] Intro 6 . . . . . Identification
[DSGE] Intro 7 . . . . . Convergence problems
[DSGE] Intro 8 . . . . . Wald tests vary with nonlinear transforms
[DSGE] Intro 9 . . . . . Bayesian estimation
[DSGE] Intro 9a . . . . . Bayesian estimation of a New Keynesian model
[DSGE] Intro 9b . . . . . Bayesian estimation of stochastic growth model
[DSGE] dsge . . . . . Linear dynamic stochastic general equilibrium models
[DSGE] dsge postestimation . . . . . Postestimation tools for dsge
[DSGE] 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
[R] cfprobit . . . . . Control-function probit regression
[R] cfregress . . . . . Control-function linear regression
[ERM] eintreg . . . . . Extended interval regression
[ERM] eoprobit . . . . . Extended ordered probit regression
[ERM] eprobit . . . . . Extended probit regression
[ERM] eregress . . . . . Extended linear regression
[CAUSAL] eteffects . . . . . Endogenous treatment-effects estimation
[CAUSAL] etpoisson . . . . . Poisson regression with endogenous treatment effects
[CAUSAL] etregress . . . . . Linear regression with endogenous treatment effects
[TS] forecast . . . . . Econometric model forecasting
[R] gmm . . . . . Generalized method of moments estimation
[R] ivfprobit . . . . . Fractional probit model with continuous endogenous covariates
[R] ivpoisson . . . . . Poisson model with continuous endogenous covariates
[R] ivprobit . . . . . Probit model with continuous endogenous covariates
[R] ivqregress . . . . . Instrumental-variables quantile regression
[R] ivregress . . . . . Single-equation instrumental-variables regression
[R] ivtobit . . . . . Tobit model with continuous endogenous covariates
[LASSO] poivregress . . . . . Partialing-out lasso instrumental-variables regression
[R] reg3 . . . . . Three-stage estimation for systems of simultaneous equations
[LASSO] xpoivregress . . . . . Cross-fit partialing-out lasso instrumental-variables regression
[XT] xtabond . . . . . Arellano–Bond linear dynamic panel-data estimation
[XT] xtdpd . . . . . Linear dynamic panel-data estimation
[XT] xtdpdsys . . . . . Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT] xteintreg . . . . . Extended random-effects interval regression
[XT] xteoprobit . . . . . Extended random-effects ordered probit regression
[XT] xteprobit . . . . . Extended random-effects probit regression
[XT] xteregress . . . . . Extended random-effects linear regression
[XT] xthtaylor . . . . . Hausman–Taylor estimator for error-components model
[XT] xtivreg . . . . . Instrumental variables and two-stage least squares for panel-data models
[XT] xtvar . . . . . Panel-data vector autoregressive models

Epidemiology and related

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

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

Estimation related

[R] constraint . . . . . Define and list constraints
[R] *eform_option* . . . . . Displaying exponentiated coefficients
[R] Estimation options . . . . . Estimation options
[R] fp . . . . . Fractional polynomial regression
[R] IC note . . . . . Calculating and interpreting information criteria
[R] makespline . . . . . Spline generation
[R] Maximize . . . . . Details of iterative maximization
[R] mfp . . . . . Multivariable fractional polynomial models
[R] stepwise . . . . . Stepwise estimation

[R] *vce_option* . . . . . Variance estimators
[XT] *vce_options* . . . . . Variance estimators

Exact statistics

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

Extended regression models

[ERM] ERM options . . . . . Extended regression model options
[ERM] Intro . . . . . Introduction to extended regression models manual
[ERM] Intro 1 . . . . . An introduction to the ERM commands
[ERM] Intro 2 . . . . . The models that ERMs fit
[ERM] Intro 3 . . . . . Endogenous covariates features
[ERM] Intro 4 . . . . . Endogenous sample-selection features
[ERM] Intro 5 . . . . . Treatment assignment features
[ERM] Intro 6 . . . . . Panel data and grouped data model features
[ERM] Intro 7 . . . . . Model interpretation
[ERM] Intro 8 . . . . . A Rosetta stone for extended regression commands
[ERM] Intro 9 . . . . . Conceptual introduction via worked example
[ERM] eintreg . . . . . Extended interval regression
[ERM] eintreg postestimation . . . . . Postestimation tools for eintreg and xteintreg
[ERM] eintreg predict . . . . . predict after eintreg and xteintreg
[ERM] eoprobit . . . . . Extended ordered probit regression
[ERM] eoprobit postestimation . . . . . Postestimation tools for eoprobit and xteoprobit
[ERM] eoprobit predict . . . . . predict after eoprobit and xteoprobit
[ERM] eprobit . . . . . Extended probit regression
[ERM] eprobit postestimation . . . . . Postestimation tools for eprobit and xteprobit
[ERM] eprobit predict . . . . . predict after eprobit and xteprobit
[ERM] eregress . . . . . Extended linear regression
[ERM] eregress postestimation . . . . . Postestimation tools for eregress and xteregress
[ERM] eregress predict . . . . . predict after eregress and xteregress
[ERM] estat teffects . . . . . Average treatment effects for extended regression models
[ERM] Example 1a . . . . . Linear regression with continuous endogenous covariate
[ERM] Example 1b . . . . . Interval regression with continuous endogenous covariate

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

Factor analysis and principal components

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

Finite mixture models

[U] Section 27.27 . . . . . Finite mixture models (FMMs)
[FMM] estat eform . . . . . Display exponentiated coefficients
[FMM] estat lcmean . . . . . Latent class marginal means
[FMM] estat lcprob . . . . . Latent class marginal probabilities
[FMM] Example 1a . . . . . Mixture of linear regression models
[FMM] Example 1b . . . . . Covariates for class membership
[FMM] Example 1c . . . . . Testing coefficients across class models
[FMM] Example 1d . . . . . Component-specific covariates
[FMM] Example 2 . . . . . Mixture of Poisson regression models
[FMM] Example 3 . . . . . Zero-inflated models
[FMM] Example 4 . . . . . Mixture cure models for survival data
[FMM] fmm . . . . . Finite mixture models using the fmm prefix
[FMM] fmm estimation . . . . . Fitting finite mixture models
[FMM] fmm intro . . . . . Introduction to finite mixture models

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

Fractional outcomes

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

Generalized linear models

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

Group sequential designs

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

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

H2O machine learning

[U] Section 27.36 . . . . . H2O machine learning
[H2OML] Intro . . . . . Introduction to machine learning and ensemble decision trees
[H2OML] DOT extension . . . . . Handling DOT files
[H2OML] H2O option mapping . . . . . Mapping of H2OML estimation options to H2O
[H2OML] H2O reproducibility . . . . . Reproducibility in H2O
[H2OML] H2O setup . . . . . Prepare data for H2O analysis in Stata
[H2OML] encode_option . . . . . Encoding schemes for categorical predictors
[H2OML] h2oml . . . . Introduction to commands for Stata integration with H2O machine learning
[H2OML] h2oml gbm . . . . . Gradient boosting machine for regression and classification
[H2OML] h2oml gbbinclass . . . . . Gradient boosting binary classification
[H2OML] h2oml gbmulticlass . . . . . Gradient boosting multiclass classification
[H2OML] h2oml gbregress . . . . . Gradient boosting regression
[H2OML] h2oml postestimation . . . . . Postestimation tools for h2oml gbm and h2oml rf
[H2OML] h2oml rf . . . . . Random forest for regression and classification
[H2OML] h2oml rfbinclass . . . . . Random forest binary classification
[H2OML] h2oml rfmulticlass . . . . . Random forest multiclass classification
[H2OML] h2oml rfregress . . . . . Random forest regression
[H2OML] h2omlest . . . . . Store and restore H2OML estimation results
[H2OML] h2omlestat aucmulticlass . . . . . Display AUC and AUCPR after multiclass classification
[H2OML] h2omlestat confmatrix . . . . . Display confusion matrix
[H2OML] h2omlestat cvsummary . . . . . Display cross-validation summary
[H2OML] h2omlestat gridsummary . . . . . Display grid-search summary
[H2OML] h2omlestat hitratio . . . . . Display hit-ratio table
[H2OML] h2omlestat metrics . . . . . Display performance metrics
[H2OML] h2omlestat threshmetric . . . . . Display threshold-based metrics for binary classification
[H2OML] h2omlexplore . . . . . Explore models after grid search
[H2OML] h2omlgof . . . . . Compare goodness of fit for machine learning models
[H2OML] h2omlpostestframe . . . . . Specify frame for postestimation analysis
[H2OML] h2omlselect . . . . . Select model after grid search
[H2OML] metric_option . . . . . Classification and regression metrics

Indicator and categorical variables

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

Item response theory

[U] Section 27.28 . . . . . Item response theory (IRT)
[IRT] Control Panel . . . . . IRT Control Panel
[IRT] DIF . . . . . Introduction to differential item functioning

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

Lasso

[U] Section 27.30 . . . . . Lasso
[LASSO] Collinear covariates . . . . . Treatment of collinear covariates
[LASSO] Inference examples . . . . . Examples and workflow for inference
[LASSO] Inference requirements . . . . . Requirements for inference
[LASSO] Lasso inference intro . . . . . Introduction to inferential lasso models
[LASSO] Lasso intro . . . . . Introduction to lasso
[LASSO] bicplot . . . . . Plot Bayesian information criterion function after lasso
[LASSO] coefpath . . . . . Plot path of coefficients after lasso
[LASSO] cvplot . . . . . Plot cross-validation function after lasso
[LASSO] dslogit . . . . . Double-selection lasso logistic regression
[LASSO] dspoisson . . . . . Double-selection lasso Poisson regression
[LASSO] dsregress . . . . . Double-selection lasso linear regression
[LASSO] elasticnet . . . . . Elastic net for prediction and model selection
[LASSO] estimates store . . . . . Saving and restoring estimates in memory and on disk
[LASSO] lasso . . . . . Lasso for prediction and model selection
[LASSO] lasso examples . . . . . Examples of lasso for prediction
[LASSO] lasso fitting . . . . . The process (in a nutshell) of fitting lasso models
[LASSO] lasso inference postestimation . . . . . Postestimation tools for lasso inferential models
[LASSO] lasso options . . . . . Lasso options for inferential models
[LASSO] lasso postestimation . . . . . Postestimation tools for lasso for prediction
[LASSO] 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 lcmean . . . Latent class marginal means
[SEM] estat lcprob . . . Latent class marginal probabilities
[SEM] Example 50g . . . Latent class model
[SEM] Example 52g . . . Latent profile model
[SEM] Example 53g . . . Finite mixture Poisson regression
[SEM] Intro 2 . . . Learning the language: Path diagrams and command language
[SEM] Intro 5 . . . Tour of models

Linear regression and related

[U] Chapter 20 . . . Estimation and postestimation commands
[U] Chapter 27 . . . Overview of Stata estimation commands
[R] areg . . . Linear regression with many indicator variables
[BAYES] Bayesian estimation . . . Bayesian estimation commands
[BMA] bmaregress . . . Bayesian model averaging for linear regression
[R] cfregress . . . Control-function linear regression
[R] cnsreg . . . Constrained linear regression
[R] constraint . . . Define and list constraints
[CAUSAL] didregress . . . Difference-in-differences estimation
[LASSO] dsregress . . . Double-selection lasso linear regression
[R] eivreg . . . Errors-in-variables regression
[ERM] eregress . . . Extended linear regression
[CAUSAL] etpoisson . . . Poisson regression with endogenous treatment effects
[CAUSAL] etregress . . . Linear regression with endogenous treatment effects
[FMM] fmm estimation . . . Fitting finite mixture models
[R] fp . . . Fractional polynomial regression
[R] frontier . . . Stochastic frontier models
[R] glm . . . Generalized linear models
[H2OML] h2oml gbregress . . . Gradient boosting regression
[H2OML] h2oml rfregress . . . Random forest regression
[CAUSAL] hdidregress . . . Heterogeneous difference in differences
[R] heckman . . . Heckman selection model
[R] hetregress . . . Heteroskedastic linear regression
[R] ivpoisson . . . Poisson model with continuous endogenous covariates
[R] ivqregress . . . Instrumental-variables quantile regression
[R] ivregress . . . Single-equation instrumental-variables regression
[R] ivtobit . . . Tobit model with continuous endogenous covariates
[R] lpoly . . . Kernel-weighted local polynomial smoothing
[ME] meglm . . . Multilevel mixed-effects generalized linear models
[META] meta meregress . . . Multilevel mixed-effects meta-regression
[META] meta multilevel . . . Multilevel random-intercepts meta-regression

[META] meta mvregress . . . . . Multivariate meta-regression
[META] meta regress . . . . . Meta-analysis regression
[R] mfp . . . . . Multivariable fractional polynomial models
[ME] mixed . . . . . Multilevel mixed-effects linear regression
[MV] mvreg . . . . . Multivariate regression
[R] nestreg . . . . . Nested model statistics
[TS] newey . . . . . Regression with Newey–West standard errors
[LASSO] poivregress . . . . . Partialing-out lasso instrumental-variables regression
[LASSO] poregress . . . . . Partialing-out lasso linear regression
[TS] prais . . . . . Prais–Winsten and Cochrane–Orcutt regression
[R] qreg . . . . . Quantile regression
[R] reg3 . . . . . Three-stage estimation for systems of simultaneous equations
[R] regress . . . . . Linear regression
[R] rocfit . . . . . Parametric ROC models
[R] rreg . . . . . Robust regression
[ST] stcox . . . . . Cox proportional hazards model
[ST] stcrreg . . . . . Competing-risks regression
[R] stepwise . . . . . Stepwise estimation
[ST] stintcox . . . . . Cox proportional hazards model for interval-censored survival-time data
[ST] stintreg . . . . . Parametric models for interval-censored survival-time data
[ST] stmgintcox . . . . . Marginal Cox PH model for interval-censored multiple-event data
[ST] streg . . . . . Parametric survival models
[R] sureg . . . . . Zellner's seemingly unrelated regression
[R] tnbreg . . . . . Truncated negative binomial regression
[R] vwls . . . . . Variance-weighted least squares
[LASSO] xpoivregress . . . . . Cross-fit partialing-out lasso instrumental-variables regression
[LASSO] xporegress . . . . . Cross-fit partialing-out lasso linear regression
[XT] xtabond . . . . . Arellano–Bond linear dynamic panel-data estimation
[XT] xtdidregress . . . . . Fixed-effects difference-in-differences estimation
[XT] xtdpd . . . . . Linear dynamic panel-data estimation
[XT] xtdpdsys . . . . . Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
[XT] xteregress . . . . . Extended random-effects linear regression
[XT] xtgee . . . . . GEE population-averaged panel-data models
[XT] xtgls . . . . . GLS linear model with heteroskedastic and correlated errors
[CAUSAL] xthdidregress . . . . . Heterogeneous difference in differences for panel data
[XT] xtheckman . . . . . Random-effects regression with sample selection
[XT] xthtaylor . . . . . Hausman–Taylor estimator for error-components model
[XT] xtivreg . . . . . Instrumental variables and two-stage least squares for panel-data models
[XT] xtpcse . . . . . Linear regression with panel-corrected standard errors
[XT] xtrc . . . . . Random-coefficients model
[XT] xtreg . . . . . Linear models for panel data
[XT] xtregar . . . . . Fixed- and random-effects linear models with an AR(1) disturbance
[XT] xtstreg . . . . . Random-effects parametric survival models
[XT] xtvar . . . . . Panel-data vector autoregressive models

Logistic and probit regression

[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Chapter 27 . . . . . Overview of Stata estimation commands

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

[XT] xtlogit . . . . . Fixed-effects, random-effects, and population-averaged logit models
[XT] xtmlogit . . . . . Fixed-effects and random-effects multinomial logit models
[XT] xtologit . . . . . Random-effects ordered logistic model
[XT] xtoprobit . . . . . Random-effects ordered probit model
[XT] xtprobit . . . . . Random-effects and population-averaged probit models
[R] ziologit . . . . . Zero-inflated ordered logit regression
[R] zioprobit . . . . . Zero-inflated ordered probit regression

Longitudinal data/panel data

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

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

Meta-analysis

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

Mixed models

[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Section 27.16 . . . . . Multilevel mixed-effects models
[R] anova . . . . . Analysis of variance and covariance
[ME] estat df . . . . . Calculate degrees of freedom for fixed effects
[ME] estat group . . . . . Summarize the composition of the nested groups
[ME] estat icc . . . . . Estimate intraclass correlations

[ME] estat recovariance . . . . . Display estimated random-effects covariance matrices
[ME] estat sd . . . . . Display variance components as standard deviations and correlations
[ME] estat wcorrelation . . . . . Display within-cluster correlations and standard deviations
[R] icc . . . . . Intraclass correlation coefficients
[MV] manova . . . . . Multivariate analysis of variance and covariance
[ME] me . . . . . Introduction to multilevel mixed-effects models
[ME] mecloglog . . . . . Multilevel mixed-effects complementary log–log regression
[ME] meglm . . . . . Multilevel mixed-effects generalized linear models
[ME] meintreg . . . . . Multilevel mixed-effects interval regression
[ME] melogit . . . . . Multilevel mixed-effects logistic regression
[ME] menbreg . . . . . Multilevel mixed-effects negative binomial regression
[ME] menl . . . . . Nonlinear mixed-effects regression
[ME] meologit . . . . . Multilevel mixed-effects ordered logistic regression
[ME] meoprobit . . . . . Multilevel mixed-effects ordered probit regression
[ME] mepoisson . . . . . Multilevel mixed-effects Poisson regression
[ME] meprobit . . . . . Multilevel mixed-effects probit regression
[ME] mestreg . . . . . Multilevel mixed-effects parametric survival models
[META] meta meregress . . . . . Multilevel mixed-effects meta-regression
[META] meta multilevel . . . . . Multilevel random-intercepts meta-regression
[ME] metobit . . . . . Multilevel mixed-effects tobit regression
[ME] mixed . . . . . Multilevel mixed-effects linear regression
[XT] xtcloglog . . . . . Random-effects and population-averaged cloglog models
[XT] xtintreg . . . . . Random-effects interval-data regression model
[XT] xtlogit . . . . . Fixed-effects, random-effects, and population-averaged logit models
[XT] xtologit . . . . . Random-effects ordered logistic model
[XT] xtoprobit . . . . . Random-effects ordered probit model
[XT] xtprobit . . . . . Random-effects and population-averaged probit models
[XT] xtrc . . . . . Random-coefficients model
[XT] xtreg . . . . . Linear models for panel data
[XT] xttobit . . . . . Random-effects tobit model

Multidimensional scaling and biplots

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

Multilevel mixed-effects models

[U] Section 27.16 . . . . . Multilevel mixed-effects models
[BAYES] Bayesian estimation . . . . . Bayesian estimation commands
[ME] me . . . . . Introduction to multilevel mixed-effects models
[ME] mecloglog . . . . . Multilevel mixed-effects complementary log–log regression
[ME] meglm . . . . . Multilevel mixed-effects generalized linear models
[ME] meintreg . . . . . Multilevel mixed-effects interval regression
[ME] melogit . . . . . Multilevel mixed-effects logistic regression
[ME] menbreg . . . . . Multilevel mixed-effects negative binomial regression
[ME] menl . . . . . Nonlinear mixed-effects regression
[ME] meologit . . . . . Multilevel mixed-effects ordered logistic regression

[ME] meoprobit . . . . . Multilevel mixed-effects ordered probit regression
[ME] mepoisson . . . . . Multilevel mixed-effects Poisson regression
[ME] meprobit . . . . . Multilevel mixed-effects probit regression
[ME] mestreg . . . . . Multilevel mixed-effects parametric survival models
[META] meta meregress . . . . . Multilevel mixed-effects meta-regression
[META] meta multilevel . . . . . Multilevel random-intercepts meta-regression
[ME] metobit . . . . . Multilevel mixed-effects tobit regression
[ME] mixed . . . . . Multilevel mixed-effects linear regression

Multiple imputation

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

Multivariate analysis of variance and related techniques

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

Nonlinear regression

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

Nonparametric statistics

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

Ordinal outcomes

[U] Chapter 20 . . . . . Estimation and postestimation commands
[BAYES] Bayesian estimation . . . . . Bayesian estimation commands
[CM] cmrologit . . . . . Rank-ordered logit choice model
[CM] cmroprobit . . . . . Rank-ordered probit choice model
[ERM] eoprobit . . . . . Extended ordered probit regression
[FMM] fmm estimation . . . . . Fitting finite mixture models
[R] heckoprobit . . . . . Ordered probit model with sample selection
[R] hetoprobit . . . . . Heteroskedastic ordered probit regression
[IRT] irt grm . . . . . Graded response model
[IRT] irt pcm . . . . . Partial credit model
[IRT] irt rsm . . . . . Rating scale model

[ME] meologit . . . . . Multilevel mixed-effects ordered logistic regression
[ME] meoprobit . . . . . Multilevel mixed-effects ordered probit regression
[R] ologit . . . . . Ordered logistic regression
[R] oprobit . . . . . Ordered probit regression
[XT] xteoprobit . . . . . Extended random-effects ordered probit regression
[XT] xtologit . . . . . Random-effects ordered logistic model
[XT] xtoprobit . . . . . Random-effects ordered probit model
[R] ziologit . . . . . Zero-inflated ordered logit regression
[R] zioprobit . . . . . Zero-inflated ordered probit regression

Other statistics

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

Pharmacokinetic statistics

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

Power, precision, and sample size

[U] Section 27.33 . . . . . Power, precision, and sample-size analysis
[PSS-1] Intro . . . . . Introduction to power, precision, and sample-size analysis
[PSS-3] Intro (ciwidth) Introduction to precision and sample-size analysis for confidence intervals
[PSS-2] Intro (power) . . . . . Introduction to power and sample-size analysis for hypothesis tests
[PSS-3] ciwidth . . . . . Precision and sample-size analysis for CIs
[PSS-3] ciwidth onemean . . . . . Precision analysis for a one-mean CI
[PSS-3] ciwidth onevariance . . . . . Precision analysis for a one-variance CI
[PSS-3] ciwidth pairedmeans . . . . . Precision analysis for a paired-means-difference CI
[PSS-3] ciwidth twomeans . . . . . Precision analysis for a two-means-difference CI
[PSS-3] ciwidth usermethod . . . . . Add your own methods to the ciwidth command
[PSS-3] ciwidth, graph . . . . . Graph results from the ciwidth command
[PSS-3] ciwidth, table . . . . . Produce table of results from the ciwidth command
[PSS-3] GUI (ciwidth) . . . . . Graphical user interface for precision and sample-size analysis
[PSS-2] GUI (power) . . . . . Graphical user interface for power and sample-size analysis
[PSS-2] power . . . . . Power and sample-size analysis for hypothesis tests
[PSS-2] power cmh . . . . . Power and sample size for the Cochran–Mantel–Haenszel test
[PSS-2] power cox . . . . . Power analysis for the Cox proportional hazards model

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

Quality control

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

ROC analysis

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

Rotation

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

Sample selection models

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

Simulation/resampling

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

Spatial autoregressive models

[U] Section 27.19 . . . . . Spatial autoregressive models
[SP] Intro . . . . . Introduction to spatial data and SAR models
[SP] Intro 1 . . . . . A brief introduction to SAR models
[SP] Intro 2 . . . . . The W matrix
[SP] Intro 3 . . . . . Preparing data for analysis
[SP] Intro 4 . . . . . Preparing data: Data with shapefiles
[SP] Intro 5 . . . . . Preparing data: Data containing locations (no shapefiles)
[SP] Intro 6 . . . . . Preparing data: Data without shapefiles or locations
[SP] Intro 7 . . . . . Example from start to finish
[SP] Intro 8 . . . . . The Sp estimation commands
[SP] estat moran . . . . . Moran's test of residual correlation with nearby residuals
[SP] grmap . . . . . Graph choropleth maps

[SP] spbalance . . . . . Make panel data strongly balanced
[SP] spcompress . . . . . Compress Stata-format shapefile
[SP] spdistance . . . . . Calculator for distance between places
[SP] spgenerate . . . . . Generate variables containing spatial lags
[SP] spivregress . . . . . Spatial autoregressive models with endogenous covariates
[SP] spmatrix . . . . . Categorical guide to the spmatrix command
[SP] spmatrix copy . . . . . Copy spatial weighting matrix stored in memory
[SP] spmatrix create . . . . . Create standard weighting matrices
[SP] spmatrix drop . . . . . List and delete weighting matrices stored in memory
[SP] spmatrix export . . . . . Export weighting matrix to text file
[SP] spmatrix fromdata . . . . . Create custom weighting matrix from data
[SP] spmatrix import . . . . . Import weighting matrix from text file
[SP] spmatrix matafromsp . . . . . Copy weighting matrix to Mata
[SP] spmatrix normalize . . . . . Normalize weighting matrix
[SP] spmatrix note . . . . . Put note on weighting matrix, or display it
[SP] spmatrix save . . . . . Save spatial weighting matrix to file
[SP] spmatrix spfrommata . . . . . Copy Mata matrix to Sp
[SP] spmatrix summarize . . . . . Summarize weighting matrix stored in memory
[SP] spmatrix use . . . . . Load spatial weighting matrix from file
[SP] spmatrix userdefined . . . . . Create custom weighting matrix
[SP] spregress . . . . . Spatial autoregressive models
[SP] spset . . . . . Declare data to be Sp spatial data
[SP] spshape2dta . . . . . Translate shapefile to Stata format
[SP] spxtregress . . . . . Spatial autoregressive models for panel data

Standard postestimation tests, tables, and other analyses

[U] Section 13.5 . . . . . Accessing coefficients and standard errors
[U] Chapter 20 . . . . . Estimation and postestimation commands
[R] contrast . . . . . Contrasts and linear hypothesis tests after estimation
[R] correlate . . . . . Correlations of variables
[R] estat . . . . . Postestimation statistics
[R] estat ic . . . . . Display information criteria
[R] estat summarize . . . . . Summarize estimation sample
[R] estat vce . . . . . Display covariance matrix estimates
[R] estimates . . . . . Save and manipulate estimation results
[R] estimates describe . . . . . Describe estimation results
[R] estimates for . . . . . Repeat postestimation command across models
[R] estimates notes . . . . . Add notes to estimation results
[R] estimates replay . . . . . Redisplay estimation results
[R] estimates save . . . . . Save and use estimation results
[R] estimates selected . . . . . Show selected coefficients
[R] estimates stats . . . . . Model-selection statistics
[R] estimates store . . . . . Store and restore estimation results
[R] estimates table . . . . . Compare estimation results
[R] estimates title . . . . . Set title for estimation results
[TS] forecast . . . . . Econometric model forecasting
[TS] forecast adjust . . . . . Adjust variables to produce alternative forecasts
[TS] forecast clear . . . . . Clear current model from memory

[TS] forecast coefvector . . . . . Specify an equation via a coefficient vector
[TS] forecast create . . . . . Create a new forecast model
[TS] forecast describe . . . . . Describe features of the forecast model
[TS] forecast drop . . . . . Drop forecast variables
[TS] forecast estimates . . . . . Add estimation results to a forecast model
[TS] forecast exogenous . . . . . Declare exogenous variables
[TS] forecast identity . . . . . Add an identity to a forecast model
[TS] forecast list . . . . . List forecast commands composing current model
[TS] forecast query . . . . . Check whether a forecast model has been started
[TS] forecast solve . . . . . Obtain static and dynamic forecasts
[R] hausman . . . . . Hausman specification test
[R] lincom . . . . . Linear combinations of parameters
[R] linktest . . . . . Specification link test for single-equation models
[R] lrtest . . . . . Likelihood-ratio test after estimation
[R] margins, contrast . . . . . Contrasts of margins
[R] margins, pwcompare . . . . . Pairwise comparisons of margins
[CM] margins . . . . . Adjusted predictions, predictive margins, and marginal effects
[R] marginsplot . . . . . Graph results from margins (profile plots, etc.)
[R] margins . . . . . Marginal means, predictive margins, and marginal effects
[MV] mvtest . . . . . Multivariate tests
[R] nlcom . . . . . Nonlinear combinations of parameters
[R] postest . . . . . Postestimation Selector
[R] predict . . . . . Obtain predictions, residuals, etc., after estimation
[R] predictnl . . . . . Obtain nonlinear predictions, standard errors, etc., after estimation
[R] pwcompare . . . . . Pairwise comparisons
[R] suest . . . . . Seemingly unrelated estimation
[R] test . . . . . Test linear hypotheses after estimation
[R] testnl . . . . . Test nonlinear hypotheses after estimation

Structural equation modeling

[U] Section 27.25 . . . . . Structural equation modeling (SEM)
[SEM] Builder . . . . . SEM Builder
[SEM] Builder, generalized . . . . . SEM Builder for generalized models
[SEM] Intro 1 . . . . . Introduction
[SEM] Intro 2 . . . . . Learning the language: Path diagrams and command language
[SEM] Intro 3 . . . . . Learning the language: Factor-variable notation (gsem only)
[SEM] Intro 4 . . . . . Substantive concepts
[SEM] Intro 5 . . . . . Tour of models
[SEM] Intro 6 . . . . . Comparing groups
[SEM] Intro 7 . . . . . Postestimation tests and predictions
[SEM] Intro 8 . . . . . Robust and clustered standard errors
[SEM] Intro 9 . . . . . Standard errors, the full story
[SEM] Intro 10 . . . . . Fitting models with survey data
[SEM] Intro 11 . . . . . Fitting models with summary statistics data (sem only)
[SEM] Intro 12 . . . . . Convergence problems and how to solve them
[SEM] estat eform . . . . . Display exponentiated coefficients
[SEM] estat eqgof . . . . . Equation-level goodness-of-fit statistics
[SEM] estat eqtest . . . . . Equation-level tests that all coefficients are zero

[SEM] estat framework . . . . . Display estimation results in modeling framework
[SEM] estat ggof . . . . . Group-level goodness-of-fit statistics
[SEM] estat ginvariant . . . . . Tests for invariance of parameters across groups
[SEM] estat gof . . . . . Goodness-of-fit statistics
[SEM] estat lcgof . . . . . Latent class goodness-of-fit statistics
[SEM] estat lcmean . . . . . Latent class marginal means
[SEM] estat lcprob . . . . . Latent class marginal probabilities
[SEM] estat mindices . . . . . Modification indices
[SEM] estat residuals . . . . . Display mean and covariance residuals
[SEM] estat scoretests . . . . . Score tests
[SEM] estat sd . . . . . Display variance components as standard deviations and correlations
[SEM] estat stable . . . . . Check stability of nonrecursive system
[SEM] estat stdize . . . . . Test standardized parameters
[SEM] estat summarize . . . . . Report summary statistics for estimation sample
[SEM] estat teffects . . . . . Decomposition of effects into total, direct, and indirect
[SEM] Example 1 . . . . . Single-factor measurement model
[SEM] Example 2 . . . . . Creating a dataset from published covariances
[SEM] Example 3 . . . . . Two-factor measurement model
[SEM] Example 4 . . . . . Goodness-of-fit statistics
[SEM] Example 5 . . . . . Modification indices
[SEM] Example 6 . . . . . Linear regression
[SEM] Example 7 . . . . . Nonrecursive structural model
[SEM] Example 8 . . . . . Testing that coefficients are equal, and constraining them
[SEM] Example 9 . . . . . Structural model with measurement component
[SEM] Example 10 . . . . . MIMIC model
[SEM] Example 11 . . . . . estat framework
[SEM] Example 12 . . . . . Seemingly unrelated regression
[SEM] Example 13 . . . . . Equation-level Wald test
[SEM] Example 14 . . . . . Predicted values
[SEM] Example 15 . . . . . Higher-order CFA
[SEM] Example 16 . . . . . Correlation
[SEM] Example 17 . . . . . Correlated uniqueness model
[SEM] Example 18 . . . . . Latent growth model
[SEM] Example 19 . . . . . Creating multiple-group summary statistics data
[SEM] Example 20 . . . . . Two-factor measurement model by group
[SEM] Example 21 . . . . . Group-level goodness of fit
[SEM] Example 22 . . . . . Testing parameter equality across groups
[SEM] Example 23 . . . . . Specifying parameter constraints across groups
[SEM] Example 24 . . . . . Reliability
[SEM] Example 25 . . . . . Creating summary statistics data from raw data
[SEM] Example 26 . . . . . Fitting a model with data missing at random
[SEM] Example 27g . . . . . Single-factor measurement model (generalized response)
[SEM] Example 28g . . . . . One-parameter logistic IRT (Rasch) model
[SEM] Example 29g . . . . . Two-parameter logistic IRT model
[SEM] Example 30g . . . . . Two-level measurement model (multilevel, generalized response)
[SEM] Example 31g . . . . . Two-factor measurement model (generalized response)
[SEM] Example 32g . . . . . Full structural equation model (generalized response)
[SEM] Example 33g . . . . . Logistic regression

[SEM] Example 34g . . . . . Combined models (generalized responses)
[SEM] Example 35g . . . . . Ordered probit and ordered logit
[SEM] Example 36g . . . . . MIMIC model (generalized response)
[SEM] Example 37g . . . . . Multinomial logistic regression
[SEM] Example 38g . . . . . Random-intercept and random-slope models (multilevel)
[SEM] Example 39g . . . . . Three-level model (multilevel, generalized response)
[SEM] Example 40g . . . . . Crossed models (multilevel)
[SEM] Example 41g . . . . . Two-level multinomial logistic regression (multilevel)
[SEM] Example 42g . . . . . One- and two-level mediation models (multilevel)
[SEM] Example 43g . . . . . Tobit regression
[SEM] Example 44g . . . . . Interval regression
[SEM] Example 45g . . . . . Heckman selection model
[SEM] Example 46g . . . . . Endogenous treatment-effects model
[SEM] Example 47g . . . . . Exponential survival model
[SEM] Example 48g . . . . . Loglogistic survival model with censored and truncated data
[SEM] Example 49g . . . . . Multiple-group Weibull survival model
[SEM] Example 50g . . . . . Latent class model
[SEM] Example 51g . . . . . Latent class goodness-of-fit statistics
[SEM] Example 52g . . . . . Latent profile model
[SEM] Example 53g . . . . . Finite mixture Poisson regression
[SEM] Example 54g . . . . . Finite mixture Poisson regression, multiple responses
[SEM] gsem . . . . . Generalized structural equation model estimation command
[SEM] gsem estimation options . . . . . Options affecting estimation
[SEM] gsem family-and-link options . . . . . Family-and-link options
[SEM] gsem group options . . . . . Fitting models on different groups
[SEM] gsem lclass options . . . . . Fitting models with latent classes
[SEM] gsem model description options . . . . . Model description options
[SEM] gsem path notation extensions . . . . . Command syntax for path diagrams
[SEM] gsem postestimation . . . . . Postestimation tools for gsem
[SEM] gsem reporting options . . . . . Options affecting reporting of results
[SEM] lcstats . . . . . Latent class model-comparison statistics
[SEM] lincom . . . . . Linear combinations of parameters
[SEM] lrtest . . . . . Likelihood-ratio test of linear hypothesis
[SEM] Methods and formulas for gsem . . . . . Methods and formulas for gsem
[SEM] Methods and formulas for sem . . . . . Methods and formulas for sem
[SEM] nlcom . . . . . Nonlinear combinations of parameters
[SEM] predict after gsem . . . . . Generalized linear predictions, etc.
[SEM] predict after sem . . . . . Factor scores, linear predictions, etc.
[SEM] sem . . . . . Structural equation model estimation command
[SEM] sem and gsem option constraints( ) . . . . . Specifying constraints
[SEM] sem and gsem option covstructure( ) . . . . . Specifying covariance restrictions
[SEM] sem and gsem option from( ) . . . . . Specifying starting values
[SEM] sem and gsem option reliability( ) . . . Fraction of variance not due to measurement error
[SEM] sem and gsem path notation . . . . . Command syntax for path diagrams
[SEM] sem and gsem syntax options . . . . . Options affecting interpretation of syntax
[SEM] sem estimation options . . . . . Options affecting estimation
[SEM] sem group options . . . . . Fitting models on different groups
[SEM] sem model description options . . . . . Model description options

[SEM] sem option method( ) . . . . . Specifying method and calculation of VCE
[SEM] sem option noxconditional . . . Computing means, etc., of observed exogenous variables
[SEM] sem option select( ) . . . . . Using sem with summary statistics data
[SEM] sem path notation extensions . . . . . Command syntax for path diagrams
[SEM] sem postestimation . . . . . Postestimation tools for sem
[SEM] sem reporting options . . . . . Options affecting reporting of results
[SEM] sem ssd options . . . . . Options for use with summary statistics data
[SEM] ssd . . . . . Making summary statistics data (sem only)
[SEM] test . . . . . Wald test of linear hypotheses
[SEM] testnl . . . . . Wald test of nonlinear hypotheses

Survey data

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

Survival analysis

[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Section 27.15.5 . . . . . Survival models with panel data
[U] Section 27.17 . . . . . Survival analysis models
[U] Section 27.20 . . . . . Causal inference
[U] Section 27.33 . . . . . Power, precision, and sample-size analysis
[ST] PH plots (interval-censored) . . . . . PH-assumption plots for interval-censored data

[ST] PH plots (right-censored) . . . . . PH-assumption plots for right-censored data
[ST] Survival analysis . . . . . Introduction to survival analysis commands
[ST] *adjustfor_option* . Adjust survivor and related functions for covariates at specific values
[BAYES] bayes: streg . . . . . Bayesian parametric survival models
[ST] ct . . . . . Count-time data
[ST] ctset . . . . . Declare data to be count-time data
[ST] cttost . . . . . Convert count-time data to survival-time data
[ST] Discrete . . . . . Discrete-time survival analysis
[LASSO] elasticnet . . . . . Elastic net for prediction and model selection
[ST] estat gofplot . . . Goodness-of-fit plots after streg, stcox, stintreg, stintcox, or stmgintcox
[FMM] fmm: streg . . . . . Finite mixtures of parametric survival models
[LASSO] lasso . . . . . Lasso for prediction and model selection
[ST] ltable . . . . . Life tables for survival data
[ME] mestreg . . . . . Multilevel mixed-effects parametric survival models
[R] reri . . . . . Relative excess risk due to interaction
[ST] snapspan . . . . . Convert snapshot data to time-span data
[ST] st . . . . . Survival-time data
[ST] st_is . . . . . Survival analysis subroutines for programmers
[ST] stbase . . . . . Form baseline dataset
[ST] stci . . . . . Confidence intervals for means and percentiles of survival time
[ST] stcox . . . . . Cox proportional hazards model
[ST] stcrreg . . . . . Competing-risks regression
[ST] stcurve . . . . . Plot the survivor or related function after streg, stcox, and more
[ST] stdescribe . . . . . Describe survival-time data
[R] stepwise . . . . . Stepwise estimation
[ST] stfill . . . . . Fill in by carrying forward values of covariates
[ST] stgen . . . . . Generate variables reflecting entire histories
[ST] stintcox . . . . . Cox proportional hazards model for interval-censored survival-time data
[ST] stintreg . . . . . Parametric models for interval-censored survival-time data
[ST] stir . . . . . Report incidence-rate comparison
[ST] stmc . . . . . Calculate rate ratios with the Mantel–Cox method
[ST] stmgintcox . . . . . Marginal Cox PH model for interval-censored multiple-event data
[ST] stmh . . . . . Calculate rate ratios with the Mantel–Haenszel method
[ST] stptime . . . . . Calculate person-time, incidence rates, and SMR
[ST] strate . . . . . Tabulate failure rates and rate ratios
[ST] streg . . . . . Parametric survival models
[ST] sts . . . . . Generate, graph, list, and test the survivor and related functions
[ST] sts generate . . . . . Create variables containing survivor and related functions
[ST] sts graph . . . . . Graph the survivor or related function
[ST] sts list . . . . . List the survivor or related function
[ST] sts test . . . . . Test equality of survivor functions
[ST] stset . . . . . Declare data to be survival-time data
[MI] mi XXXset . . . . . Declare mi data to be svy, st, ts, xt, etc.
[ST] stsplit . . . . . Split and join time-span records
[MI] mi stsplit . . . . . Split and join time-span records for mi data
[ST] stsum . . . . . Summarize survival-time data
[CAUSAL] stteffects ipw . . . . . Survival-time inverse-probability weighting
[CAUSAL] stteffects ipwra . . . . . Survival-time inverse-probability-weighted regression adjustment

[CAUSAL] stteffects ra . . . . . Survival-time regression adjustment
[CAUSAL] stteffects wra . . . . . Survival-time weighted regression adjustment
[ST] sttocc . . . . . Convert survival-time data to case–control data
[ST] sttoct . . . . . Convert survival-time data to count-time data
[ST] stvary . . . . . Report variables that vary over time
[XT] xtstreg . . . . . Random-effects parametric survival models

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

Time series, multivariate

[U] Section 11.4.4 . . . . . Time-series varlists
[U] Section 13.10 . . . . . Time-series operators
[U] Chapter 20 . . . . . Estimation and postestimation commands
[U] Section 27.14 . . . . . Time-series models
[TS] Time series . . . . . Introduction to time-series commands
[TS] dfactor . . . . . Dynamic-factor models
[TS] fcast compute . . . . . Compute dynamic forecasts
[TS] fcast graph . . . . . Graph forecasts after fcast compute
[TS] forecast . . . . . Econometric model forecasting
[TS] forecast adjust . . . . . Adjust variables to produce alternative forecasts
[TS] forecast clear . . . . . Clear current model from memory
[TS] forecast coefvector . . . . . Specify an equation via a coefficient vector
[TS] forecast create . . . . . Create a new forecast model
[TS] forecast describe . . . . . Describe features of the forecast model
[TS] forecast drop . . . . . Drop forecast variables
[TS] forecast estimates . . . . . Add estimation results to a forecast model
[TS] forecast exogenous . . . . . Declare exogenous variables
[TS] forecast identity . . . . . Add an identity to a forecast model
[TS] forecast list . . . . . List forecast commands composing current model
[TS] forecast query . . . . . Check whether a forecast model has been started
[TS] forecast solve . . . . . Obtain static and dynamic forecasts
[TS] irf . . . . . Create and analyze IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf add . . . . . Add results from an IRF file to the active IRF file
[TS] irf cgraph . . . . . Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf create . . . . . Obtain IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf ctable . . . . . Combined tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf describe . . . . . Describe an IRF file
[TS] irf drop . . . . . Drop IRF results from the active IRF file
[TS] irf graph . . . . . Graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf ograph . . . . . Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
[TS] irf rename . . . . . Rename an IRF result in an IRF file
[TS] irf set . . . . . Set the active IRF file
[TS] irf table . . . . . Tables of IRFs, dynamic-multiplier functions, and FEVDs
[TS] ivlpirf . . . . . Instrumental-variables local-projection impulse–response functions
[TS] lpirf . . . . . Local-projection impulse–response functions
[TS] mgarch . . . . . Multivariate GARCH models
[TS] mgarch ccc . . . . . Constant conditional correlation multivariate GARCH model
[TS] mgarch dcc . . . . . Dynamic conditional correlation multivariate GARCH model
[TS] mgarch dvech . . . . . Diagonal vech multivariate GARCH model

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

Time series, univariate

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

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

Transforms and normality tests

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

Matrix commands

Basics

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

Programming

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

Other

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

Mata

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

Programming

Basics

[U] Chapter 18 . . . . . Programming Stata
[U] Section 18.3 . . . . . Macros
[U] Section 18.11 . . . . . Ado-files

[P] comments . . . Add comments to programs
[P] fvexpand . . . Expand factor varlists
[P] macro . . . Macro definition and manipulation
[P] program . . . Define and manipulate programs
[P] return . . . Return stored results

Program control

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

Parsing and program arguments

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

Console output

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

Commonly used programming commands

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

[P] timer . . . . . Time sections of code by recording and reporting time spent
[TS] tsrevar . . . . . Time-series operator programming command

Debugging

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

Advanced programming commands

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

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

Special-interest programming commands

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

Projects

[P] Project Manager . . . Organize Stata files

File formats

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

Mata

[M] *Mata Reference Manual* . . . . .

Customizable tables and collections

[TABLES] Intro . . . . . Introduction
[TABLES] Intro 1 . . . . . How to read this manual
[TABLES] Intro 2 . . . . . A tour of concepts and commands
[TABLES] Intro 3 . . . . . Workflow outline
[TABLES] Intro 4 . . . . . Overview of commands
[TABLES] Intro 5 . . . . . Other tabulation commands
[TABLES] Appendix . . . . . Appendix
[TABLES] collect addtags . . . . . Add tags to items in a collection
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[R] doedit . . . . . Edit do-files and other text files
[D] edit . . . . . Browse or edit data with Data Editor
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[P] sleep . . . . . Pause for a specified time
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[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

For suggested citations, see the FAQ on citing Stata documentation.