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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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[GSW] Getting Started with Stata for Windows .........................................................
[U] Chapter 3 .................................. Resources for learning and using Stata
[U] Chapter 4 .................................. Stata’s help and search facilities
[R] help .................................. Display help in Stata
[R] search ................................. Search Stata documentation and other resources

Data manipulation and management

Basic data commands

[Intro] Intro ................................ Introduction to data management reference manual
[Intro] Data management ................... Introduction to data management commands
[Codebook] codebook ........................ Describe data contents
[Data types] Data types ...................... Quick reference for data types
[DateTime] Datetime .......................... Date and time values and variables
[DateTime] Datetime durations ................... Obtaining and working with durations
[DateTime] Datetime relative dates ....... Obtaining dates and date information from other dates
[DateTime] Datetime values from other software . Date and time conversion from other software
### Creating and dropping variables

- **clear** .............................................. Clear memory
- **compress** ........................................ Compress data in memory
- **drop** ............................................. Drop variables or observations
- **dyngen** ........................................... Dynamically generate new values of variables
- **egen** ............................................... Extensions to generate
- **frame copy** ...................................... Make a copy of a frame
- **frame drop** ...................................... Drop frames from memory
- **frame put** ........................................ Copy selected variables or observations to a new frame
- **frames reset** ..................................... Drop all frames from memory
- **generate** ......................................... Create or change contents of variable

### Mathematical functions

- **Mathematical functions**

### Matrix functions

- **Matrix functions**

### Programming functions

- **Programming functions**

### Random-number functions

- **Random-number functions**

### Selecting time-span functions

- **Selecting time-span functions**

### Statistical functions

- **Statistical functions**

### String functions

- **String functions**

### Trigonometric functions

- **Trigonometric functions**

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

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

Reshaping datasets

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

Labeling, display formats, and notes

| GS | Chapter 7 (GSM, GSU, GSW) | Using the Variables Manager |
| U | Section 12.5 | Formats: Controlling how data are displayed |
| U | Section 12.6 | Dataset, variable, and value labels |
| D | format | Set variables’ output format |
| D | label | Manipulate labels |
| D | label language | Labels for variables and values in multiple languages |
| D | labelbook | Label utilities |
| D | notes | Place notes in data |
| D | varmanage | Manage variable labels, formats, and other properties |
Chapter 26 Working with categorical data and factor variables

Changing and renaming variables

Chapter 7 (GSM, GSU, GSW) Using the Variables Manager

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

Examining data

Chapter 6 (GSM, GSU, GSW) Using the Data Editor

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

### File manipulation

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

### Miscellaneous data commands

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

### Multiple datasets in memory

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

mi add .................................................. Add imputations from another mi dataset
mi append .............................................. Append mi data
mi convert ............................................. Change style of mi data
mi copy .................................................. Copy mi flongsep data
mi describe ............................................ Describe mi data
mi erase .................................................. Erase mi datasets
mi expand .............................................. Expand mi data
mi export ............................................. Export mi data
mi export ice .......................................... Export mi data to ice format
mi export nhanes1 ..................................... Export mi data to NHANES format
mi extract ............................................. Extract original or imputed data from mi data
mi import ................................................ Import data into mi
mi import flong ....................................... Import flong-like data into mi
mi import flongsep ................................... Import flongsep-like data into mi
mi import ice .......................................... Import ice-format data into mi
mi import nhanes1 .................................... Import NHANES-format data into mi
mi import wide ....................................... Import wide-like data into mi
mi merge .............................................. Merge mi data
mi misstable ............................................ Tabulate pattern of missing values
mi passive ............................................. Generate/replace and register passive variables
mi ptrace .............................................. Load parameter-trace file into Stata
mi rename ............................................. Rename variable
mi replace0 ............................................ Replace original data
mi reset ................................................ Reset imputed or passive variables
mi reshape ........................................... Reshape mi data
mi set .................................................. Declare multiple-imputation data
mi stsplt .............................................. Split and join time-span records for mi data
mi update .............................................. Ensure that mi data are consistent
mi varying ............................................. Identify variables that vary across imputations
mi xeq ................................................ Execute command(s) on individual imputations
mi XXXset ............................................ Declare mi data to be svy, st, ts, xt, etc.
noupdate option ...................................... The noupdate option
Styles .................................................. Dataset styles
Workflow ............................................. Suggested workflow
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[U] Chapter 4 ... Stata’s help and search facilities
[U] Chapter 15 ... Saving and printing output—log files
[U] Chapter 16 ... Do-files
[R] about ... Display information about your Stata
[D] by ... Repeat Stata command on subsets of the data
[R] cls ... Clear Results window
[R] copyright ... Display copyright information
[R] do ... Execute commands from a file
[R] doedit ... Edit do-files and other text files
[R] exit ... Exit Stata
[R] help ... Display help in Stata
[R] level ... Set default confidence level
[R] log ... Echo copy of session to file
[D] obs ... Increase the number of observations in a dataset
[R] postest ... Postestimation Selector
[R] #review ... Review previous commands
[R] search ... Search Stata documentation and other resources
[BAYES] set clevel ... Set default credible level
[R] translate ... Print and translate logs
[D] unicode translate ... Translate files to Unicode
[R] view ... View files and logs
[D] zipfile ... Compress and uncompress files and directories in zip archive format

Error messages

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

Stored results

[U] Section 13.5 ... Accessing coefficients and standard errors
[U] Section 18.8 ... Accessing results calculated by other programs
[U] Section 18.9 ... Accessing results calculated by estimation commands
[U] Section 18.10 ... Storing results
[P] creturn ... Return c-class values
[P] return ... 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
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<td>recast</td>
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#### 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 |
| R    | more | The —more— message |
| R    | query | Display system parameters |
| P    | quietly | Quietly and noisely perform Stata command |
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[D] rmdir .................................................. Remove directory
[R] set ...................................................... Overview of system parameters
[R] set cformat ........................................ Format settings for coefficient tables
[R] set_default ....................................... Reset system parameters to original Stata defaults
[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
[R] set seed ............................................. Specify random-number seed and state
[R] set showbaselevels ......................... Display settings for coefficient tables
[P] set sortmethod ................................. Specify a sort method
[P] set sortngstate ................................ Set the state of sort’s randomizer
[D] shell .................................................. Temporarily invoke operating system
[P] signestimationsample .................. Determine whether the estimation sample has changed
[P] smcl .................................................. Stata Markup and Control Language
[P] sysdir ................................................ Query and set system directories
[D] type ..................................................... Display contents of a file
[D] unicode collator .......................... Language-specific Unicode collators
[D] unicode convertfile ..................... Low-level file conversion between encodings
[D] unicode encoding .......................... Unicode encoding utilities
[D] unicode locale ................................ Unicode locale utilities
[D] vl .......................................................... Manage variable lists
[D] vl create ....................................... Create and modify user-defined variable lists
[D] vl drop ......................................... Drop variable lists or variables from variable lists
[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] bmagrapgh ................................. Graphical summary for models and predictors after BMA regression
[BMA] bmagrapgh coeffdensity ........ Regression coefficient density plots after BMA regression
[BMA] bmagrapgh msize .......................... Model-size distribution plots after BMA regression
[BMA] bmagrapgh pmp ............................. Model-probability plots after BMA regression
[BMA] bmagrapgh varmap .................... Variable-inclusion map after BMA regression

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[G-2] graph .................................................. The graph command
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<td><code>graph twoway spike</code></td>
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<td><code>marginsplot</code></td>
<td>Graph results from margins (profile plots, etc.)</td>
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<td><code>palette</code></td>
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**Distributional graphs**

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<td><code>histogram</code></td>
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<td><code>sunflower</code></td>
<td>Density-distribution sunflower plots</td>
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**Item response theory graphs**

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<td><code>irtgraph icc</code></td>
<td>Item characteristic curve plot</td>
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<td><code>irtgraph iif</code></td>
<td>Item information function plot</td>
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<td><code>irtgraph tcc</code></td>
<td>Test characteristic curve plot</td>
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<td><code>irtgraph tif</code></td>
<td>Test information function plot</td>
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**Lasso graphs**

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<tr>
<td><code>bicplot</code></td>
<td>Plot Bayesian information criterion function after lasso</td>
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<td><code>coefpath</code></td>
<td>Plot path of coefficients after lasso</td>
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<td><code>cvplot</code></td>
<td>Plot cross-validation function after lasso</td>
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**Meta-analysis graphs**

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<td><code>meta forestplot</code></td>
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<td><code>meta funnelplot</code></td>
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<td><code>meta galbraithplot</code></td>
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**Multivariate graphs**

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<tr>
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<td><code>ca postestimation</code></td>
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<td><code>cluster dendrogram</code></td>
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[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

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[ 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 logit ......................................... 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

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[ R]  lowess .............................................. Lowess smoothing
[ R]  lpoly ............................................... Kernel-weighted local polynomial smoothing

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[ ST]  ltable ............................................. Life tables for survival data
[ ST]  stci .............................................. Confidence intervals for means and percentiles of survival time
[ ST]  stcox PH-assumption tests ..................... Tests of proportional-hazards assumption after stcox
[ ST]  stcurve ........................................... Plot the survivor or related function after streg, stcox, and more
[ ST]  stintcox PH-assumption plots .................. Plots of proportional-hazards assumption after stintcox
[ 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] cumpsp ................................................. 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 the stability condition of VAR or SVAR estimates
[TS] vecstable ................................. Check the stability condition of VECM estimates
[TS] wntestb ........................................... Bartlett’s periodogram-based test for white noise
[TS] xcorr ........................................... Cross-correlogram for bivariate time series

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[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

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[G-4] text ..................................................... Text in graphs

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[G-4] Scheme s2 ........................................ Scheme description: s2 family
[G-4] Scheme sj ........................................ Scheme description: sj
[G-4] Scheme st ........................................ Scheme description: st family

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[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
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**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 ........................................... Intraclsass 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 ................................. Fixed-, between-, and random-effects and population-averaged linear models

**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 ........................................... Intraclsass 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] sctest ........................................ 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 statistics

[R] tabstat ........................................ Compact table of summary statistics

[R] tabulate oneway ................................ One-way table of frequencies

[R] tabulate twoway ................................ Two-way table of frequencies

[R] tabulate, summarize() ....................... One- and two-way tables of summary statistics
Bayesian analysis

Section 27.34

Bayesian estimation

Bayesian probit regression

Bayesian Poisson regression

Bayesian ordered probit regression

Bayesian ordered logistic regression

Bayesian negative binomial regression

Bayesian multinomial probit regression

Bayesian multinomial logistic regression

Bayesian multilevel linear regression

Bayesian multilevel tobit regression

Bayesian multilevel parametric survival models

Bayesian multivariate regression

Bayesian negative binomial regression

Bayesian ordered logistic regression

Bayesian Poisson regression

Bayesian probit regression
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<td>Bayesian models using Metropolis–Hastings algorithm</td>
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<td>BAYES</td>
<td>bayesfcast compute</td>
<td>User-defined evaluators with bayesfcast</td>
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<td>BAYES</td>
<td>bayesstats</td>
<td>Bayesian statistics after Bayesian estimation</td>
</tr>
<tr>
<td>BAYES</td>
<td>bayesstats ess</td>
<td>Effective sample sizes and related statistics</td>
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<tr>
<td>BAYES</td>
<td>bayesstats grubin</td>
<td>Gelman–Rubin convergence diagnostics</td>
</tr>
<tr>
<td>BAYES</td>
<td>bayesstats ic</td>
<td>Bayesian information criteria and Bayes factors</td>
</tr>
<tr>
<td>BAYES</td>
<td>bayesstats pvalues</td>
<td>Bayesian predictive p-values and other predictive summaries</td>
</tr>
<tr>
<td>BAYES</td>
<td>bayesstats summary</td>
<td>Bayesian summary statistics</td>
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<tr>
<td>BAYES</td>
<td>bayestest</td>
<td>Bayesian hypothesis testing</td>
</tr>
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<td>BAYES</td>
<td>bayestest interval</td>
<td>Interval hypothesis testing</td>
</tr>
<tr>
<td>BAYES</td>
<td>bayestest model</td>
<td>Hypothesis testing using model posterior probabilities</td>
</tr>
<tr>
<td>BAYES</td>
<td>bayesvarstable</td>
<td>Check the stability condition of Bayesian VAR estimates</td>
</tr>
<tr>
<td>BAYES</td>
<td>bmaregress</td>
<td>Bayesian model averaging for linear regression</td>
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**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
### Binary outcomes

<table>
<thead>
<tr>
<th>Command</th>
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<tr>
<td>bmacoefsample</td>
<td>Posterior samples of regression coefficients</td>
</tr>
<tr>
<td>bmagraph</td>
<td>Graphical summary for models and predictors after BMA regression</td>
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<tr>
<td>bmagraph coeftdensity</td>
<td>Regression coefficient density plots after BMA regression</td>
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<tr>
<td>bmagraph msize</td>
<td>Model-size distribution plots after BMA regression</td>
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<tr>
<td>bmagraph pmp</td>
<td>Model-probability plots after BMA regression</td>
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<tr>
<td>bmapredict</td>
<td>Predictions after BMA regression</td>
</tr>
<tr>
<td>bmaregress</td>
<td>Bayesian model averaging for linear regression</td>
</tr>
<tr>
<td>bmastats</td>
<td>Summary for models and predictors after BMA regression</td>
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<td>bmastats jointness</td>
<td>Jointness measures for predictors after BMA regression</td>
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<td>bmastats lps</td>
<td>Log predictive-score after BMA regression</td>
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<tr>
<td>bmastats models</td>
<td>Model and variable-inclusion summaries after BMA regression</td>
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<tr>
<td>bmastats msize</td>
<td>Model-size summary after BMA regression</td>
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<tr>
<td>bmastats pip</td>
<td>Posterior inclusion probabilities for predictors after BMA regression</td>
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**Chapter 20**

- Estimation and postestimation commands

**Section 27.4**

- Binary outcomes

**Bayesian estimation**

- Generalized linear models: Extensions to the binomial family

**binreg**

- Bivariate probit regression

**biprobit**

- Complementary log–log regression

**cloglog**

- Double-selection lasso logistic regression

**dslogit**

- Extended probit regression

**eprobit**

- Endogenous treatment-effects estimation

**exlogistic**

- Exact logistic regression

**fmm estimation**

- Fitting finite mixture models

**glm**

- Probit model with sample selection

**heckprobit**

- Heteroskedastic probit model

**hetprobit**

- One-parameter logistic model

**irt 1pl**

- Two-parameter logistic model

**irt 2pl**

- Three-parameter logistic model

**irt 3pl**

- Hybrid IRT models

**irt hybrid**

- Probit model with continuous endogenous covariates

**ivprobit**

- Multilevel mixed-effects logistic regression

**logit**

- Logistic regression, reporting odds ratios

**meprobit**

- Logistic regression, reporting coefficients

**melogit**

- Partialing-out lasso logistic regression

**mecloglog**

- Parametric ROC models

**mepredict**

- Receiver operating characteristic (ROC) regression

**mediate**

- Skewed logistic regression

**pologit**

- Augmented inverse-probability weighting

**teffects aipw**

- Inverse-probability weighting

**teffects ipw**

- Inverse-probability-weighted regression adjustment

**teffects ipwra**

- Nearest-neighbor matching

**teffects nmmatch**

- Propensity-score matching

**teffects psmatch**
Causal inference and treatment-effects estimation

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

Categorical outcomes

[U] Chapter 20 ................................................ Ordinal outcomes 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
[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] xtprobit ......................................... Fixed-effects and random-effects multinomial logit models

Causal inference and treatment-effects estimation

[U] Section 27.20 ........................................... Causal inference
[CAUSAL] Causal inference commands .......... Introduction to causal inference commands
[CAUSAL] DID intro ..................................... Introduction to difference-in-differences estimation
[CAUSAL] Intro ............................................. Introduction to causal inference and treatment-effects estimation
[CAUSAL] didregress .................................... Difference-in-differences estimation
[ERM] eintreg ......................................... Extended interval regression
[ERM] eoprobit ....................................... Extended ordered probit regression
[ERM] eprobit ......................................... Extended probit regression
[ERM] eregress ......................................... Extended linear regression
[CAUSAL] eteffects ........................................ Endogenous treatment-effects estimation
[CAUSAL] etpoisson ..................................... Poisson regression with endogenous treatment effects
[CAUSAL] etregress ..................................... Linear regression with endogenous treatment effects
[CAUSAL] hdidregress .................................. Heterogeneous difference in differences
[CAUSAL] mediate .......................................... Causal mediation analysis
[CAUSAL] stteffects ...................................... Treatment-effects estimation for observational survival-time data
[CAUSAL] stteffects intro . Introduction to treatment effects for observational survival-time data
[CAUSAL] stteffects ipw .................................. Survival-time inverse-probability weighting
[CAUSAL] stteffects ipwra . Survival-time inverse-probability-weighted regression adjustment
[CAUSAL] stteffects ra ................................... Survival-time regression adjustment
[CAUSAL] stteffects wra .................................. Survival-time weighted regression adjustment
[CAUSAL] tebalance ..................................... Check balance after teffects or stteffects estimation
[CAUSAL] tebalance box ................................ Covariate balance box
[CAUSAL] tebalance density ................................ Covariate balance density
[CAUSAL] tebalance overid ................................ Test for covariate balance
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] heckprobit .............................. Ordered probit model with sample selection
[R] heckprobit ................................ Probabilistic model with sample selection
[R] intreg ........................................ Interval regression
[ME] mestreg ................................ 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] streg ........................................ Parametric survival models
[CAUSAL] stteffects ........................ Treatment-effects estimation for observational survival-time data
[R] tnreg ....................................... 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 models
[XT] xtstreg .................................. Random-effects parametric survival models
[XT] xttobit ................................ Random-effects tobit models

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
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**[CM]** Intro 4 ............................................................ Estimation commands  
**[CM]** Intro 5 ............................................................ Models for discrete choices  
**[CM]** Intro 6 ............................................................ Models for panel data  
**[CM]** Intro 7 ............................................................ Random utility models, assumptions, and estimation  
**[CM]** cmchoicerset ............................................... Tabulate choice sets  
**[CM]** cmcllogit ...................................................... Conditional logit (McFadden’s) choice model  
**[CM]** cmmmixlogit .................................................. Mixed logit choice model  
**[CM]** cmmprob ....................................................... Multinomial probit choice model  
**[CM]** cmroprobit .................................................... Rank-ordered probit choice model  
**[CM]** cmset ........................................................... Declare data to be choice model data  
**[CM]** cmnsumarize .................................................. Summarize variables by chosen alternatives  
**[CM]** cmtab ......................................................... Tabulate chosen alternatives  
**[CM]** cmxmixlogit ................................................ 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 .............................................. Count outcomes with panel data  
**[BAYES]** Bayesian estimation ..................................... Bayesian estimation commands  
**[R]** cpoisson ......................................................... Censored Poisson regression  
**[LASSO]** dsposisson .............................................. Double-selection lasso Poisson regression  
**[CAUSAL]** eteffects ................................................ Endogenous treatment-effects estimation  
**[CAUSAL]** etpoisson ................................................ Poisson regression with endogenous treatment effects  
**[R]** expoission ..................................................... Exact Poisson regression
Combined subject table of contents

[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] tnreg ............................................................. 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] 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 lda ..................................................... kth-nearest-neighbor discriminant analysis
[MV] discrim logistic .............................................. Logistic discriminant analysis
[MV] discrim lda ..................................................... kth-nearest-neighbor discriminant analysis
[MV] discrim lda ..................................................... kth-nearest-neighbor 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
Endogenous covariates

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

Endogenous covariates

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

Endogenous covariates

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

Endogenous covariates

Chapter 20 .................................................. Overview of Stata estimation commands
Chapter 27 .................................................. Overview of Stata estimation commands
eintreg .................................................. Extended interval regression
eoprobit .................................................. Extended ordered probit regression
eprobit .................................................. Extended probit regression
eregress ............................................... Extended linear regression
eteffects ............................................ Endogenous treatment-effects estimation
etpoisson ............................................ Poisson regression with endogenous treatment effects
ettregress ............................................ Linear regression with endogenous treatment effects
gmm ......................................................... Generalized method of moments estimation
ivfprobit ................................................... Fractional probit model with continuous endogenous covariates
ivpoisson .................................................. Poisson model with continuous endogenous covariates
ivprobit ................................................... Probit model with continuous endogenous covariates
ivqregress ............................................... Instrumental-variables quantile regression
ivregress .................................................. Single-equation instrumental-variables regression
ivtobit ..................................................... Tobit model with continuous endogenous covariates
poivregress ........................................ Partialing-out lasso instrumental-variables regression
reg3 .................................................... Three-stage estimation for systems of simultaneous equations
xpoivregress ....................................... Cross-fit partialing-out lasso instrumental-variables regression
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 .............................. Receiver operating characteristic (ROC) regression
[R] roctab .............................. Nonparametric ROC analysis
[R] symmetry .......................... Symmetry and marginal homogeneity tests
[R] tabulate twoway ..................... Two-way table of frequencies

Also see Multilevel mixed-effects models, Survival analysis, Structural equation modeling, and 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
Exact statistics

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

Extended regression models

ERM options ............................................. Extended regression model options
Intro ......................................................... Introduction to extended regression models manual
Intro 1 ....................................................... An introduction to the ERM commands
Intro 2 ....................................................... The models that ERMs fit
Intro 3 ....................................................... Endogenous covariates features
Intro 4 ....................................................... Endogenous sample-selection features
Intro 5 ....................................................... Treatment assignment features
Intro 6 ....................................................... Panel data and grouped data model features
Intro 7 ....................................................... Model interpretation
Intro 8 ....................................................... A Rosetta stone for extended regression commands
Intro 9 ....................................................... Conceptual introduction via worked example
eintreg ........................................................ Extended interval regression
eintreg postestimation .............................. Postestimation tools for eintreg and xteintreg
eintreg predict ............................................ predict after eintreg and xteintreg
eoprobit ..................................................... Extended ordered probit regression
eoprobit postestimation .............................. Postestimation tools for eoprobit and xteoprobit
eoprobit predict ........................................... predict after eoprobit and xteoprobit
eprobit ..................................................... Extended probit regression
eprobit postestimation .............................. Postestimation tools for eprobit and xteprobit
eprobit predict ........................................... predict after eprobit and xteprobit
eregress ....................................................... Extended linear regression
eregress postestimation .............................. Postestimation tools for eregress and xtregress
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<td>predict after eregress and xtregress</td>
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<tr>
<td>estat teffects</td>
<td>Average treatment effects for extended regression models</td>
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<td>Example 1a</td>
<td>Linear regression with continuous endogenous covariate</td>
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<tr>
<td>Example 1b</td>
<td>Interval regression with continuous endogenous covariate</td>
</tr>
<tr>
<td>Example 1c</td>
<td>Interval regression with endogenous covariate and sample selection</td>
</tr>
<tr>
<td>Example 2a</td>
<td>Linear regression with binary endogenous covariate</td>
</tr>
<tr>
<td>Example 2b</td>
<td>Linear regression with exogenous treatment</td>
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<tr>
<td>Example 2c</td>
<td>Linear regression with endogenous treatment</td>
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<td>Example 3a</td>
<td>Probit regression with continuous endogenous covariate</td>
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<td>Example 3b</td>
<td>Probit regression with endogenous covariate and treatment</td>
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<td>Example 4a</td>
<td>Probit regression with endogenous sample selection</td>
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<tr>
<td>Example 4b</td>
<td>Probit regression with endogenous treatment and sample selection</td>
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<td>Example 5</td>
<td>Probit regression with endogenous ordinal treatment</td>
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<td>Ordered probit regression with endogenous treatment and sample selection</td>
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<td>Example 8b</td>
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<td>Example 9</td>
<td>Ordered probit regression with endogenous treatment and random effects</td>
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<td>Triangularize</td>
<td>How to triangularize a system of equations</td>
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<td>xteoprobit</td>
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<td>xteregress</td>
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### Factor analysis and principal components

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<td>canon</td>
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<td>factor</td>
<td>Factor analysis</td>
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<td>pca</td>
<td>Principal component analysis</td>
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<td>rotate</td>
<td>Orthogonal and oblique rotations after factor and pca</td>
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<td>rotatemat</td>
<td>Orthogonal and oblique rotations of a Stata matrix</td>
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<td>Score and loading plots</td>
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<td>screeplot</td>
<td>Scree plot of eigenvalues</td>
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<td>tetrachoric</td>
<td>Tetrachoric correlations for binary variables</td>
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### Finite mixture models

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<td>Finite mixture models (FMMs)</td>
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<td>estat eform</td>
<td>Display exponentiated coefficients</td>
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<td>estat lcmean</td>
<td>Latent class marginal probabilities</td>
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<td>estat lcprob</td>
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<td>Example 1a</td>
<td>Mixture of linear regression models</td>
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<td>Example 1b</td>
<td>Covariates for class membership</td>
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<td>Testing coefficients across class models</td>
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<td>Example 1d</td>
<td>Component-specific covariates</td>
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<td>Example 2</td>
<td>Mixture of Poisson regression models</td>
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<td>Example 3</td>
<td>Zero-inflated models</td>
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<td>Mixture cure models for survival data</td>
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<td>Finite mixture models for survival data using the fmm prefix</td>
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<td>FMM</td>
<td>fmm estimation</td>
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<td>FMM</td>
<td>fmm intro</td>
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<td>FMM</td>
<td>fmm postestimation</td>
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<td>fmm: betareg</td>
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<td>fmm: cloglog</td>
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<td>fmm: glm</td>
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<td>fmm: intreg</td>
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<td>fmm: ivregress</td>
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<td>fmm: ologit</td>
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<td>fmm: oprobit</td>
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<td>fmm: pointmass</td>
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<td>fmm: poissonmass</td>
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<td>fmm: probit</td>
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<td>fmm: regress</td>
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<td>fmm: tobit</td>
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<td>fmm: tpoisson</td>
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<tr>
<td>FMM</td>
<td>fmm: truncreg</td>
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### 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 | gsd | Study design for group sequential trials |
Indicator and categorical variables

- Section 11.4.3: Factor variables
- Chapter 26: Working with categorical data and factor variables
- fvset: Declare factor-variable settings

Item response theory

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

Lasso

- Section 27.30: Lasso
- Collinear covariates: Treatment of collinear covariates
- Inference examples: Examples and workflow for inference
- Inference requirements: Requirements for inference
- Lasso intro: Introduction to inferential lasso models
- Lasso intro: Introduction to lasso
- bicplot: Plot Bayesian information criterion function after lasso
- coefpath: Plot path of coefficients after lasso
- cvplot: Plot cross-validation function after lasso
- dslogit: Double-selection lasso logistic regression
- dslogit: Double-selection lasso Poisson regression
- dsregress: Double-selection lasso linear regression
- elasticnet: Elastic net for prediction and model selection
- estimates store: Saving and restoring estimates in memory and on disk
- 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] xpareg .................................. Cross-fit partialing-out lasso linear regression
[CAUSAL] eregress .................................. Extended linear regression
[BAYES] fmm estimation ................................. Fitting finite mixture models
[BAYES] Bayesian estimation ........................ Bayesian estimation commands
[BMA] bmaregress ................................ Bayesian model averaging for linear regression
[ERM]constraint .................................. Define and list constraints
[CAUSAL] didregress ................................ Double-selection lasso linear regression
[LASSO] dsregress ................................ Errors-in-variables regression
[ERM] eregress .................................. Extended linear regression
[CAUSAL] etpoisson ................................ Poisson regression with endogenous treatment effects
[CAUSAL] etregress ................................ Linear regression with endogenous treatment effects
[FMM] fmm estimation ................................. Fitting finite mixture models
[R]fp ................................ Fractional polynomial regression
[R]frontier .................................. Stochastic frontier models
[R]glm ................................ Generalized linear models
[CAUSAL] hdidregress ................................. Heterogeneous difference in differences
[R]heckman .................................. Heckman selection model
[R]hetregress .................................. Heteroskedastic linear regression

Latent class models

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

Linear regression and related

[U] Chapter 20 .................................. Estimation and postestimation commands
[U] Chapter 27 .................................. Overview of Stata estimation commands
[R] areg .................................. Linear regression with a large dummy-variable set
[BAYES] Bayesian estimation ........................ Bayesian estimation commands
[BMA] bmaregress ................................ Bayesian model averaging for linear regression
[R] cnareg .................................. Constrained linear regression
[R] constraint .................................. Define and list constraints
[CAUSAL] didregress ................................ Double-selection lasso linear regression
[LASSO] dsregress ................................ Errors-in-variables regression
[R] eivreg .................................. Extended linear regression
[CAUSAL] etpoisson ................................ Poisson regression with endogenous treatment effects
[CAUSAL] etregress ................................ Linear regression with endogenous treatment effects
[FMM] fmm estimation ................................. Fitting finite mixture models
[R]fp ................................ Fractional polynomial regression
[R]frontier .................................. Stochastic frontier models
[R]glm ................................ Generalized linear models
[CAUSAL] hdidregress ................................. Heterogeneous difference in differences
[R]heckman .................................. Heckman selection model
[R]hetregress .................................. Heteroskedastic linear regression
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<tr>
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<td>ivpoisson</td>
<td>Poisson model with continuous endogenous covariates</td>
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<td>ivqregress</td>
<td>Instrumental-variables quantile regression</td>
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<td>ivregress</td>
<td>Single-equation instrumental-variables regression</td>
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<td>ivtobit</td>
<td>Tobit model with continuous endogenous covariates</td>
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<td>lpoly</td>
<td>Kernel-weighted local polynomial smoothing</td>
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<td>meta meregress</td>
<td>Multilevel mixed-effects meta-regression</td>
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<td>Multilevel random-intercepts meta-regression</td>
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<td>Meta-analysis regression</td>
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<td>Multilevel mixed-effects linear regression</td>
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<td>Regression with Newey–West standard errors</td>
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<td>Prais–Winsten and Cochrane–Orcutt regression</td>
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<td>Cox proportional hazards model for interval-censored survival-time data</td>
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<td>Parametric survival models</td>
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<td>xtabond</td>
<td>Arellano–Bond linear dynamic panel-data estimation</td>
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<td>GEE population-averaged panel-data models</td>
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<td>GLS linear model with heteroskedastic and correlated errors</td>
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<td>Hausman–Taylor estimator for error-components models</td>
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<td>Fixed-, between-, and random-effects and population-averaged linear models</td>
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<td>Fixed- and random-effects linear models with an AR(1) disturbance</td>
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Logistic and probit regression

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[CM]  cmmixlogit .......................................... Mixed logit choice model
[CM]  cmmprobit ............................................ Multinomial probit choice model
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[ERM]  eprobit .................................................. Extended probit regression
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[R]   heckprob ............................................... Probit model with sample selection
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[R]   hetoprobit ............................................. Heteroskedastic probit model
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[IRT]  irt 2pl ................................................... Two-parameter logistic model
[IRT]  irt 3pl ................................................... Three-parameter logistic model
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[IRT]  irt hybrid ............................................ Hybrid IRT models
[IRT]  irt nrm .................................................. Nominal response model
[IRT]  irt pcm .................................................. Partial credit model
[IRT]  irt rsm .................................................. Rating scale model
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[R]   ivprobit ................................................ Probit model with continuous endogenous covariates
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[R]   logit ...................................................... Logistic regression, reporting coefficients
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[ME]   meologit ................................................. Multilevel mixed-effects ordered logistic regression
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[R]   mprobit .................................................. Multinomial probit regression
[CM]  nlogit ................................................... Nested logit regression
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[R]   oprobit ................................................... Ordered probit regression
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[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]   xteoprob ............................................... Extended random-effects ordered probit regression
[XT]   xteprobit ............................................... Extended random-effects probit regression
[XT]   xteegee ................................................. GEE population-averaged panel-data models
[XT]   xtlogit ............................................... Fixed-effects, random-effects, and population-averaged logit models
Longitudinal data/panel data

- Chapter 20: Estimation and postestimation commands
- Section 27.15: Panel-data models
- didregrss: Difference-in-differences estimation
- eintreg: Extended interval regression
- eprobit: Extended ordered probit regression
- eregress: Extended linear regression
- hdidregrss: Heterogeneous difference in differences
- meologit: Multilevel mixed-effects ordered logistic regression
- meprobit: Multilevel mixed-effects probit regression
- mepoisson: Multilevel mixed-effects Poisson regression
- mixed: Multilevel mixed-effects linear regression
- xtquadchk: Check sensitivity of quadrature approximation
- xtabl: Introduction to xt commands
- xtcloglog: Random-effects and population-averaged cloglog models
- xtcointtest: Panel-data cointegration tests
- xtddata: Faster specification searches with xt data
- xtdidregrss: Fixed-effects difference-in-differences estimation
- xtdp: Linear dynamic panel-data estimation
- xtdpd: Arellano–Bond linear dynamic panel-data estimation
- xteintreg: Extended random-effects interval regression
- xteprobit: Extended random-effects ordered probit regression
- xteprobit: Extended random-effects probit regression
- xteregress: Extended random-effects linear regression
- xtfourier: Stochastic frontier models for panel data
- xtgls: GEE population-averaged panel-data models
- xthglm: GLS linear model with heteroskedastic and correlated errors
- xthdidregrss: Heterogeneous difference in differences for panel data
- xthcheckman: Random-effects regression with sample selection
- xthtaylor: Hausman–Taylor estimator for error-components models
- xtiintreg: Random-effects interval-data regression models
- xtitvreg: Instrumental variables and two-stage least squares for panel-data models
- xtline: Panel-data line plots
- xtlogit: Fixed-effects, random-effects, and population-averaged logit models
- xtmlogit: Fixed-effects and random-effects multinomial logit models
- xtmbrreg: Fixed-effects, random-effects, & population-averaged negative binomial models
- xtologit: Random-effects ordered logistic models
- xtprobit: Random-effects ordered probit models
- xtpcse: Linear regression with panel-corrected standard errors
- xtpoisson: Fixed-effects, random-effects, and population-averaged Poisson models
### Meta-analysis

<table>
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<tr>
<th>Section 27.18</th>
<th>Meta-analysis</th>
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<tr>
<td>Intro</td>
<td>Introduction to meta-analysis</td>
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<td>estat bubbleplot</td>
<td>Bubble plots after meta regress</td>
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<td>estat heterogeneity (me)</td>
<td>Compute multilevel heterogeneity statistics</td>
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<tr>
<td>estat heterogeneity (mv)</td>
<td>Compute multivariate heterogeneity statistics</td>
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<tr>
<td>estat recovariance</td>
<td>Display estimated random-effects covariance matrices</td>
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<tr>
<td>estat sd</td>
<td>Display variance components as standard deviations and correlations</td>
</tr>
<tr>
<td>meta</td>
<td>Introduction to meta</td>
</tr>
<tr>
<td>meta bias</td>
<td>Tests for small-study effects in meta-analysis</td>
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Estimation using multiple imputations

mi estimate using

Estimation using previously saved estimation results

mi estimate postestimation

Postestimation tools for mi estimate

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Impute missing values

mi impute chained

Impute missing values using chained equations

mi impute intreg

Impute using interval regression

mi impute logit

Impute using logistic regression

mi impute mlogit

Impute using multinomial logistic regression

mi impute monotone

Impute missing values in monotone data

mi impute mvn

Impute using multivariate normal regression

mi impute nbreg

Impute using negative binomial regression

mi impute ologit

Impute using ordered logistic regression

mi impute pmm

Impute using predictive mean matching

mi impute poisson

Impute using Poisson regression

mi impute regress

Impute using linear regression

mi impute truncreg

Impute using truncated regression

mi impute usermethod

User-defined imputation methods

mi predict

Obtain multiple-imputation predictions

mi test

Test hypotheses after mi estimate

Multivariate analysis of variance and related techniques

Section 27.22. Multivariate analysis

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Canonical correlations

hotelling

Hotelling’s $T^2$ generalized means test

manova

Multivariate analysis of variance and covariance

mvreg

Multivariate regression

mvtest covariances

Multivariate tests of covariances

mvtest means

Multivariate tests of means

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boxcox

Box–Cox regression models

demandsys

Estimation of flexible demand systems

menl

Nonlinear mixed-effects regression

nl

Nonlinear least-squares estimation

nlsur

Estimation of nonlinear systems of equations

Nonparametric statistics

bitest

Binomial probability test

bootstrap

Bootstrap sampling and estimation

bsample

Sampling with replacement

bstat

Report bootstrap results

centile

Report centile and confidence interval

cusum

Cusum plots and tests for binary variables

ivqregress

Instrumental-variables quantile regression

kdensity

Univariate kernel density estimation
Other statistics

[R] alpha .................. Compute interitem correlations (covariances) and Cronbach’s alpha
[R] brier ...................... Brier score decomposition

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

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[BAYES] Bayesian estimation ................ Bayesian estimation commands
[CM] cmrologit .................. Rank-ordered logit choice model
[CM] cmroprob ................. Rank-ordered probit choice model
[ERM] eoprobit .................. Extended ordered probit regression
[FMM] fmm estimation ............. Fitting finite mixture models
[R] heckoprobit ................. Heteroskedastic ordered probit regression
[R] hetoprobit .................. Graded response model
[R] irt pcm ...................... Partial credit model
[R] 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 models
[XT] xtoprob ................. Random-effects ordered probit models
[R] ziologit .................. Zero-inflated ordered logit regression
[R] zioprobit .................. Zero-inflated ordered probit regression

Other statistics

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[R] brier ...................... Brier score decomposition

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Pharmacokinetic statistics

Pharmacokinetic (biopharmaceutical) data
Generate pharmacokinetic measurement dataset
Analyze crossover experiments
Perform bioequivalence tests
Calculate pharmacokinetic measures
Reshape (pharmacokinetic) Latin-square data
Summarize pharmacokinetic data

Power, precision, and sample size

Power, precision, and sample-size analysis
Introduction to power, precision, and sample-size analysis
Introduction to precision and sample-size analysis for confidence intervals
Introduction to power and sample-size analysis for hypothesis tests
Precision and sample-size analysis for CIs
Precision analysis for a one-mean CI
Precision analysis for a one-variance CI
Precision analysis for a two-means-difference CI
Add your own methods to the ciwidth command
Graph results from the ciwidth command
Produce table of results from the ciwidth command
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Graphical user interface for power and sample-size analysis
Power and sample-size analysis for hypothesis tests
Power and sample size for the Cochran–Mantel–Haenszel test
Power analysis for the Cox proportional hazards model
Power analysis for a two-sample exponential test
Power analysis for the log-rank test
Power analysis for the log-rank test, CRD
Power analysis for matched case–control studies
Power analysis for a one-sample correlation test
Power analysis for a one-sample mean test
Power analysis for a one-sample mean test, CRD
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### Quality control

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

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- [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 ........................................................ Receiver operating characteristic (ROC) regression
- [R] rocreg postestimation ...................................... Postestimation tools for rocreg
- [R] rocregplot ................................................... Plot marginal and covariate-specific ROC curves after rocreg
- [R] roctab ........................................................ Nonparametric ROC analysis

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- [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

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- [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
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- [XT] xteintreg .................................................... Extended random-effects interval regression
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correlate Correlations of variables
estat Postestimation statistics
estat ic Display information criteria
estat summarize Summarize estimation sample
estat vce Display covariance matrix estimates
estimates Save and manipulate estimation results
estimates describe Describe estimation results
estimates for Repeat postestimation command across models
estimates notes Add notes to estimation results
estimates replay Redisplay estimation results
estimates save Save and use estimation results
estimates selected Show selected coefficients
estimates stats Model-selection statistics
estimates store Store and restore estimation results
estimates table Compare estimation results
estimates title Set title for estimation results
forecast Econometric model forecasting
forecast adjust Adjust variables to produce alternative forecasts
forecast clear Clear current model from memory
forecast coefvector Specify an equation via a coefficient vector
forecast create Create a new forecast model
forecast describe Describe features of the forecast model
forecast drop Drop forecast variables
forecast estimates Add estimation results to a forecast model
forecast exogenous Declare exogenous variables
forecast identity Add an identity to a forecast model
forecast list List forecast commands composing current model
forecast query Check whether a forecast model has been started
forecast solve Obtain static and dynamic forecasts
hausman Hausman specification test
lincom Linear combinations of parameters
linktest Specification link test for single-equation models
ltest Likelihood-ratio test after estimation
margins, contrast Contrasts of margins
margins, pwcompare Pairwise comparisons of margins
margins Adjusted predictions, predictive margins, and marginal effects
marginsplot Graph results from margins (profile plots, etc.)
margins Marginal means, predictive margins, and marginal effects
mvtest Multivariate tests
nlcom Nonlinear combinations of parameters
postest Postestimation Selector
predict Obtain predictions, residuals, etc., after estimation
predictnl Obtain nonlinear predictions, standard errors, etc., after estimation
pwcompare Pairwise comparisons
suest Seemingly unrelated estimation
test Test linear hypotheses after estimation
testnl Test nonlinear hypotheses after estimation
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SEM Builder, generalized .............................. SEM Builder for generalized models
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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
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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
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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
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SEM Example 16 .......................................... Correlation
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<td>Generalized structural equation model estimation command</td>
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<td>Options affecting estimation</td>
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<td>gsem reporting options</td>
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<td>lincom</td>
<td>Linear combinations of parameters</td>
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<tr>
<td>lrtest</td>
<td>Likelihood-ratio test of linear hypothesis</td>
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<td>Methods and formulas for gsem</td>
<td>Methods and formulas for gsem</td>
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<td>Methods and formulas for sem</td>
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<tr>
<td>nlcom</td>
<td>Nonlinear combinations of parameters</td>
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</tbody>
</table>
### Survey data

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
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<td>Introduction to survey commands</td>
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<tr>
<td>Chapter 20</td>
<td>Estimation and postestimation commands</td>
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<td>Example 7</td>
<td>Table of regression results using survey data</td>
</tr>
<tr>
<td>Section 27.31</td>
<td>Survey data</td>
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<tr>
<td>bootstrap_options</td>
<td>More options for bootstrap variance estimation</td>
</tr>
<tr>
<td>brr_options</td>
<td>More options for BRR variance estimation</td>
</tr>
</tbody>
</table>
| Cal 
| ml for svy | Maximum pseudolikelihood estimation for survey data |
| sdr_options | More options for SDR variance estimation |
| Subpopulation estimation | Subpopulation estimation for survey data |
| svy | The survey prefix command |
| svy bootstrap | Bootstrap for survey data |
| svy brr | Balanced repeated replication for survey data |
| svy estimation | Estimation commands for survey data |
| svy jackknife | Jackknife estimation for survey data |
| svy postestimation | Postestimation tools for svy |
| svy sdr | Successive difference replication for survey data |
| svy: tabulate oneway | One-way tables for survey data |
| svy: tabulate twoeway | Two-way tables for survey data |
| svyno | Description of survey data |
| svyno | Mark observations for exclusion on the basis of survey characteristics |
| svyset | Declare survey design for dataset |
## 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 | 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 | cctotst | 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 gof | Goodness-of-fit plots after streg, stcox, stintreg, or stintcox |
| 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 | rei | 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 | stcox PH-assumption tests | Tests of proportional-hazards assumption after stcox |
| 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 | stintcox PH-assumption plots | Plots of proportional-hazards assumption after stintcox |
| 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 | 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 | ststs | Generate, graph, list, and test the survivor and related functions |
| ST | ststs generate | Create variables containing survivor and related functions |
| ST | ststs graph | Graph the survivor or related function |
| ST | ststs list | List the survivor or related function |
| ST | ststs test | Test equality of survivor functions |
| ST | stset | Declare data to be survival-time data |
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 after var, svar, or vec
[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] lpirf ................................. Local-projection impulse–response functions
[TS] mgarch ................................. Multivariate GARCH models
[TS] mgarch ccc ................................. Constant conditional correlation multivariate GARCH models
Time series, univariate

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

- **boxcox**: Box–Cox regression models
- **fp**: Fractional polynomial regression
- **ladder**: Ladder of powers
- **lnskew0**: Find zero-skewness log or Box–Cox transform
- **mfp**: Multivariable fractional polynomial models
- **mvtest normality**: Multivariate normality tests
Matrix commands

Basics

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

Programming

[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

[Other]

[P] makecns ........................................ Constrained estimation
[P] matrix dissimilarity .............. Compute similarity or dissimilarity measures
[P] matrix eigenvalues ................ Eigenvectors 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

Other


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] fexpand ....................................... 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
continue ......................................................... Break out of loops
error ...................................................... Display generic error message and exit
foreach ............................................... Loop over items
forvalues .............................................. Loop over consecutive values
if ........................................................ if programming command
version .............................................. Version control
while ................................................... Looping

Parsing and program arguments

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

Console output

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

Commonly used programming commands

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

Debugging

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

Advanced programming commands

Section 12.4.2.5 ........................................ Sorting strings containing Unicode characters
Appendix for putdocx ................................ Appendix for putdocx entries
Appendix for putpdf ........................................ Appendix for putpdf entries
Automation .................................................. Automation
break ......................................................... Suppress Break key
char .......................................................... Characteristics
class ......................................................... Object-oriented programming (classes)
class .......................................................... Class programming
class exit .................................................. Exit class-member program and return result
classutil ..................................................... Class programming utility
_docx*( ) .................................................... Generate Office Open XML (.docx) file
docx2pdf ...................................................... Convert a Word (.docx) document to a PDF file
Dynamic documents intro ................................ Introduction to dynamic documents
Dynamic tags ............................................... Dynamic tags for text files
dyndoc ....................................................... Convert dynamic Markdown document to HTML or Word (.docx) document
dyntext ...................................................... Process Stata dynamic tags in text file
estat programming ........................................ Controlling estat after community-contributed commands
_estimates ......................................................... Manage estimation results
Estimation command ....................................... How to program an estimation command
file ............................................................. Read and write text and binary files
findfile ........................................................ Find file in path
frame post .................................................... Post results to dataset in another frame
H2O intro ....................................................... Introduction to integration with H2O
html2docx .................................................. Convert an HTML file to a Word (.docx) document
include .......................................................... Include commands from file
Java integration ........................................... Java integration for Stata
Java intro ..................................................... Introduction to Java in Stata
Java plugin ................................................... Introduction to Java plugins
Java utilities .................................................. Java utilities
javacall .......................................................... Call a Java plugin
LinearProgram( ) ............................................ Linear programming
macro .......................................................... Macro definition and manipulation
macro lists .................................................... Manipulate lists
markdown ....................................................... Convert Markdown document to HTML file or Word (.docx) document
ml ............................................................. Maximum likelihood estimation
moptimize( ) .................................................. Model optimization
optimize( ) ..................................................... Function optimization
Pdf*( ) ......................................................... Create a PDF file
plugin ............................................................. Load a plugin
postfile ........................................................ Post results to Stata dataset
_predict ........................................................ Obtain predictions, residuals, etc., after estimation programming command
_properties .................................................... Properties of user-defined programs
putdocx begin .................................................. Create an Office Open XML (.docx) file
putdocx collect ............................................... Add a table from a collection to an Office Open XML (.docx) file
putdocx intro .................................................. Introduction to generating Office Open XML (.docx) files
putdocx pagebreak .......................................... Add breaks to an Office Open XML (.docx) file
putdocx paragraph .......................................... Add text or images to an Office Open XML (.docx) file
putdocx table .................................................. Add tables to an Office Open XML (.docx) file
putdocx .......................................................... Export results to an Excel file
putexcel advanced ........................................... Export results to an Excel file using advanced syntax
putmata .......................................................... Put Stata variables into Mata and vice versa
putpdf begin .................................................. Create a PDF file
putpdf collect ................................................. Add a table from a collection to a PDF file
### Customizable tables and collections

<table>
<thead>
<tr>
<th>TABLES</th>
<th>Intro</th>
<th>Description of .dta file format</th>
</tr>
</thead>
<tbody>
<tr>
<td>TABLES</td>
<td>Intro 1</td>
<td>How to read this manual</td>
</tr>
<tr>
<td>TABLES</td>
<td>Intro 2</td>
<td>A tour of concepts and commands</td>
</tr>
<tr>
<td>TABLES</td>
<td>Intro 3</td>
<td>Workflow outline</td>
</tr>
</tbody>
</table>
Intro 4 ......................................................... Overview of commands
Intro 5 ......................................................... Other tabulation commands
Appendix ...................................................... Appendix
collect addtags ................................................. Add tags to items in a collection
collect clear .................................................... Clear all collections in memory
collect combine ............................................... Combine collections
collect composite ........................................... Manage composite results in a collection
collect copy .................................................... Copy a collection
collect create ............................................... Create a new collection
collect dims .................................................... List dimensions in a collection
collect dir ...................................................... Display names of all collections in memory
collect export ............................................... Export table from a collection
collect get ..................................................... Collect results from a Stata command
collect label ................................................... Manage custom labels in a collection
collect layout ............................................... Specify table layout for the current collection
collect levelsof ............................................. List levels of a dimension
collect notes .................................................. Add table notes in a collection
collect preview ............................................. Preview the table in a collection
collect query ................................................ Query collection style properties
collect recode ............................................... Recode dimension levels in a collection
collect remap ................................................ Remap tags in a collection
collect rename ............................................... Rename a collection
collect save .................................................. Save a collection to disk
collect set ..................................................... Set the current (active) collection
collect stars ................................................ Add stars for significant results in a collection
collect style _cons .......................................... Collection styles for intercept position
collect style autolevels .................................. Collection styles for automatic dimension levels
collect style cell ............................................ Collection styles for cells
collect style clear ........................................... Clear all collection styles
collect style column ....................................... Collection styles for column headers
collect style header ....................................... Collection styles for hiding and showing header components
collect style html ......................................... Collection styles for HTML files
collect style notes ........................................ Collection styles for table notes
collect style putdocx ..................................... Collection styles for putdocx
collect style putpdf ....................................... Collection styles for putpdf
collect style row ............................................. Collection styles for row headers
collect style save ......................................... Save collection styles to disk
collect style showbase .................................. Collection styles for displaying base levels
collect style showempty .................................. Collection styles for displaying empty cells
collect style showomit .................................... Collection styles for displaying omitted coefficients
collect style table ......................................... Collection styles for table headers
collect style tex .......................................... Collection styles for \LaTeX\ files
collect style title .......................................... Collection styles for table titles
collect style use ............................................ Use collection styles from disk
collect title .................................................. Add a custom table title in a collection
collect use .................................................... Use a collection from disk
Collection principles .................................. Tags, dimensions, levels, and layout from first principles
dtable .......................................................... Create a table of descriptive statistics
etable ........................................................ Create a table of estimation results
Example 1 .................................................... Table of means, standard deviations, and correlations
Example 2 .................................................... Table of medians and rank-sum test results
Automated document and report creation

Chapter 21. Creating reports

Appendix for putpdf
Appendix for putdocx
Intro to reporting manual
Convert a Word (.docx) document to a PDF file
Introduction to dynamic documents
Dynamic tags for text files
Convert dynamic Markdown document to HTML or Word (.docx) document
Process Stata dynamic tags in text file
Convert an HTML file to a Word (.docx) document
Create an Office Open XML (.docx) file
Add a table from a collection to an Office Open XML (.docx) file
Introduction to generating Office Open XML (.docx) files
Add breaks to an Office Open XML (.docx) file
Add text or images to an Office Open XML (.docx) file
Add tables to an Office Open XML (.docx) file
Export results to an Excel file
Export results to an Excel file using advanced syntax
Create a PDF file
Add a table from a collection to a PDF file
Introduction to generating PDF files
Add breaks to a PDF file
Add text or images to a PDF file
Add tables to a PDF file
Format settings for blocks of text
Interface features

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