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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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- Distributional graphs
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- Meta-analysis graphs
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- Regression diagnostic plots
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- Basic statistics
- Bayesian analysis
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### Data manipulation and management

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| [D] Data management | Introduction to data management commands |
| [D] codebook | Describe data contents |
| [D] Data types | Quick reference for data types |
| [D] Datetime | Date and time values and variables |
| [D] Datetime durations | Obtaining and working with durations |
| [D] Datetime relative dates | Obtaining dates and date information from other dates |
| [D] Datetime values from other software | Date and time conversion from other software |
| [D] describe | Describe data in memory or in file |
| [D] edit | Browse or edit data with Data Editor |
Creating and dropping variables

- clear .................................................. Clear memory
- compress ........................................... Compress data in memory
- Date and time functions .................................................................
- drop ......................................................... Drop variables or observations
- dyneng ................................................ Dynamically generate new values of variables
- egen ...................................................... Extensions to generate
- frame copy ............................................. Make a copy of a frame
- frame drop ............................................. Drop frame 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 .................................................................
- Matrix functions ..............................................................................
- Orthog ............................................... Orthogonize variables and compute orthogonal polynomials
- Programming functions .................................................................
- Random-number functions ...............................................................
- Selecting time-span functions .........................................................
- Statistical functions ...........................................................................
- String functions ..............................................................................
- Trigonometric functions .................................................................

Functions and expressions

- Section 12.4.2.1 ........................................ Unicode string functions
- Chapter 13 ................................................ Functions and expressions
- Date and time functions .................................................................
- egen ...................................................... Extensions to generate
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[U] Chapter 24 ....................................................... Working with strings
[FN] Data types ..................................................... Quick reference for data types
[D] string functions ................................................... Unicode utilities

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[D] bcal ............................................................... Business calendar file manipulation
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[D] Datetime conversion ......................................... Converting strings to Stata dates
[D] Datetime display formats .................................. Display formats for dates and times
[D] Datetime durations ........................................... Obtaining and working with durations
[D] Datetime relative dates ..................................... Obtaining dates and date information from other dates
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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] 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 SPSS files
[D] infile (fixed format) ........................................ Import text data in fixed format with a dictionary
[D] infile (free format) ......................................... Import unformatted text data
[D] infix (fixed format) .......................................... Import text data in fixed format
[D] input ............................................................. Enter data from keyboard
[D] jdbc ............................................................. Load, write, or view data from a database with a Java API
[D] odbc ............................................................. Load, write, or view data from ODBC sources
[D] outfile .......................................................... Export dataset in text format
[D] save ............................................................. Save Stata dataset
[D] sysuse .......................................................... Use shipped dataset
[D] use ............................................................... Load Stata dataset
[D] webuse .......................................................... Use dataset from Stata website
Combining data

[D] append ........................................ Append datasets
[MI] mi append .................................... Append mi data
[D] cross ........................................ Form every pairwise combination of two datasets
[D] frget ........................................ Copy variables from linked frame
[D] frlink ........................................ Link frames
[D] joinby ........................................ Form all pairwise combinations within groups
[D] merge ........................................ Merge datasets
[MI] mi merge .................................... Merge mi data

Certifying data

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

Reshaping datasets

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

Labeling, display formats, and notes

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

[GS] Chapter 7 (GSM, GSU, GSW) ................................. Using the Variables Manager
[U] Chapter 26 ................................. Working with categorical data and factor variables
[D] clonevar ................................. Clone existing variable
[D] destring ................................. Convert string variables to numeric variables and vice versa
[D] dynagen ................................. 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

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[D] cf ................................. Compare two datasets
[CM] csummarize ................................. 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 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
[M] mi describe ................................. Describe mi data
[M] mi misstable ................................. Tabulate pattern of missing values
[D] pctile ................................. Create variable containing percentiles
[ST] stdescribe ................................. Describe survival-time data
[R] summarize ................................. Summary statistics
[SVY] svy: tabulate oneway ................................. One-way tables for survey data
[SVY] svy: tabulate twoway ................................. Two-way tables for survey data
[P] tabdisp ................................. Display tables
[R] table intro ................................. Introduction to tables of frequencies, summaries, and command results
[R] table ................................. Table of frequencies, summaries, and command results
[R] table multiway ................................. Multiway tables
[R] table oneway ................................. One-way tabulation
[R] table regression ................................. Table of regression results
[R] table summary ................................. Table of summary statistics
[R] table twoway ................................. Two-way tabulation
[R] tabstat ................................. Compact table of summary statistics
[R] tabulate oneway ................................. One-way table of frequencies
[R] tabulate twoway ................................. Two-way table of frequencies
Multiple datasets in memory

File manipulation

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

Miscellaneous data commands

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

Multiple datasets in memory

- frame change: Change identity of current (working) frame
- frame copy: Make a copy of a frame
- frame create: Create a new frame
- frame drop: Drop frame from memory
- frame prefix: The frame prefix command
- frame put: Copy selected variables or observations to a new frame
- frame pwf: Display name of current (working) frame
- frame rename: Rename existing frame
- frames: Data frames
- frames dir: Display names of all frames in memory
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[D] frames intro ......................................................... Introduction to frames
[D] frames reset .......................................................... Drop all frames from memory
[D] frget ................................................................. Copy variables from linked frame
[D] frlink ................................................................. Link frames

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

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[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
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[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

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[U]  Section 18.8 ....................................................... Accessing results calculated by other programs
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[U]  Section 18.10 ..................................................... Storing results
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[R]  estimates ........................................................ Save and manipulate estimation results
[R]  estimates describe ............................................. Describe estimation results
[R]  estimates for .................................................... Repeat postestimation command across models
[R]  estimates notes .................................................. Add notes to estimation results
[R]  estimates replay ................................................ Redisplay estimation results
[R]  estimates save .................................................. Save and use estimation results
[R]  estimates selected ............................................. Show selected coefficients
[R]  estimates stats .................................................. Model-selection statistics
[R]  estimates store .................................................. Store and restore estimation results
[R]  estimates table .................................................. Compare estimation results
[R]  estimates title ................................................... Set title for estimation results
[P]  _return .......................................................... Preserve stored results
[P]  return .......................................................... Return stored results
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Internet

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[D]  copy ............................................................. Copy file from disk or URL
### Data types and memory

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| U | Section 12.2.2 | Strings |
| U | Section 12.4 | Handling Unicode strings |
| U | Section 13.12 | Precision and problems therein |
| U | Chapter 24 | Working with strings |
| D | compress | Compress data in memory |
| D | Data types | Quick reference for data types |
| D | memory | Memory management |
| D | Missing values | Quick reference for missing values |
| D | recast | Change storage type of variable |

### Advanced utilities

<p>| D | assert | Verify truth of claim |
| D | assertnested | Verify variables nested |
| D | changeeol | Change directory |
| D | checksum | Convert end-of-line characters of text file |
| D | copy | Calculate checksum of file |
| P | _datasignature | Copy file from disk or URL |
| D | datasignature | Determine whether data have changed |
| R | db | Launch dialog |
| P | Dialog programming | Dialog programming |
| D | dir | Display filenames |
| P | discard | Drop automatically loaded programs |
| D | erase | Erase a disk file |
| P | file | Read and write text and binary files |
| D | filefilter | Convert ASCII or binary patterns in a file |
| D | hexdump | Display hexadecimal report on file |
| D | mkdir | Create directory |
| R | more | The —more— message |
| R | query | Display system parameters |
| P | quietly | Quietly and noisily perform Stata command |
| D | rmdir | Remove directory |
| R | set | Overview of system parameters |
| R | set cformat | Format settings for coefficient tables |
| R | set_defaults | Reset system parameters to original Stata defaults |
| R | set emptycells | Set what to do with empty cells in interactions |
| 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 |</p>
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### Graphics

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Distributional graphs

[R] cumul .............................................................. Cumulative distribution
[R] Diagnostic plots ................................................. Distributional diagnostic plots
[R] dotplot ............................................................. Comparative distribution dotplots
[R] histogram .......................................................... Histograms for continuous and categorical variables
[R] ladder ............................................................... Ladder of powers
Combined subject table of contents

[R] spikeplot ............................................. Spike plots and rootograms
[R] sunflower ............................................. Density-distribution sunflower plots

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

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

Meta-analysis graphs
[META] estat bubbleplot .................................... Bubble plots after meta regress
[META] meta forestplot ...................................... Forest plots
[META] meta funnelplot ..................................... Funnel plots
[META] meta galbraithplot ................................... Galbraith plots
[META] meta labbeplot ...................................... L’Abbé plots

Multivariate graphs
[MV] biplot ................................................. Biplots
[MV] ca postestimation ..................................... Postestimation tools for ca and camat
[MV] ca postestimation plots ................................ Postestimation plots for ca and camat
[MV] cluster dendrogram .................................... Dendrograms for hierarchical cluster analysis
[MV] mca postestimation .................................... Postestimation tools for mca
[MV] mca postestimation plots ................................ Postestimation plots for mca
[MV] mds postestimation .................................... Postestimation tools for mds, mdsmat, and mdslong
[MV] mds postestimation plots ................................ Postestimation plots for mds, mdsmat, and mdslong
[MV] procrustes postestimation ................................ Postestimation tools for procrustes
[MV] scoreplot .............................................. Score and loading plots
[MV] screeplot .............................................. Scree plot of eigenvalues

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

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

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

### Survival-analysis graphs
- **[ST]** `ltable`  
  Life tables for survival data
- **[ST]** `stci`  
  Confidence intervals for means and percentiles of survival time
- **[ST]** `stcox PH-assumption tests`  
  Tests of proportional-hazards assumption after `stcox`
- **[ST]** `stcurve`  
  Plots of proportional-hazards assumption after `streg`, `stcox`, and others
- **[ST]** `strate`  
  Tabulate failure rates and rate ratios
- **[ST]** `sts graph`  
  Graph the survivor or related function

### Time-series graphs
- **[BAYES]** `bayesirf graph`  
  Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
- **[TS]** `corrgram`  
  Tabulate and graph autocorrelations
- **[TS]** `cumsp`  
  Graph cumulative spectral distribution
- **[TS]** `estat acplot`  
  Plot parametric autocorrelation and autocovariance functions
- **[TS]** `estat aroots`  
  Check the stability condition of ARIMA estimates
- **[TS]** `estat sbcusum`  
  Cumulative sum test for parameter stability
- **[TS]** `fcast graph`  
  Graph forecasts after `fcast compute`
- **[TS]** `irf cgraph`  
  Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
- **[TS]** `irf graph`  
  Graphs of IRFs, dynamic-multiplier functions, and FEVDs
- **[TS]** `irf ograph`  
  Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
- **[TS]** `pergram`  
  Periodogram
- **[TS]** `tsline`  
  Time-series line plots
- **[TS]** `varstable`  
  Check the stability condition of VAR or SVAR estimates
- **[TS]** `vecstable`  
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- **[TS]** `wntestb`  
  Bartlett’s periodogram-based test for white noise
- **[TS]** `xcorr`  
  Cross-correlogram for bivariate time series

### More statistical graphs
- **[BAYES]** `bayesgraph`  
  Graphical summaries and convergence diagnostics
- **[PSS-3]** `ciwidth, graph`  
  Graph results from the `ciwidth` command
- **[R]** `Epitab`  
  Tables for epidemiologists
- **[R]** `fp postestimation`  
  Postestimation tools for `fp`
- **[R]** `gmeanby`  
  Graph means and medians by categorical variables
- **[R]** `pkexamine`  
  Calculate pharmacokinetic measures
- **[R]** `pksumm`  
  Summarize pharmacokinetic data
- **[PSS-2]** `power, graph`  
  Graph results from the `power` command
- **[R]** `stem`  
  Stem-and-leaf displays
- **[TE]** `tebalance box`  
  Covariate balance box
- **[TE]** `teoverlap`  
  Overlap plots
- **[XT]** `xtline`  
  Panel-data line plots
Editing

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

Graph utilities

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

Graph schemes

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

Graph concepts

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

Statistics

ANOVA and related

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

Section 27.33

Bayesian analysis

Bayesian commands

Bayesian estimation

Bayesian postestimation

Bayes: binreg

Bayes: biprobit

Bayes: clogit

Bayes: cloglog

Bayes: dsge

Bayes: dsge postestimation

Bayes: dsgenl

Bayes: fracreg

Bayes: glm

Bayes: gnbreg

Bayes: heckman

Bayes: heckprob

Bayes: heckprobit

Bayes: hetoprobit

Bayes: hetoprob

Bayes: hetoprobit

Bayesian analysis

Bayesian commands

Bayesian estimation

Bayesian postestimation

Bayes: binreg

Bayes: biprobit

Bayes: clogit

Bayes: cloglog

Bayes: dsge

Bayes: dsge postestimation

Bayes: dsgenl

Bayes: fracreg

Bayes: glm

Bayes: gnbreg

Bayes: heckman

Bayes: heckprob

Bayes: heckprobit

Bayes: hetoprobit

Bayesian analysis

Bayesian commands

Bayesian estimation

Bayesian postestimation

Bayes: binreg

Bayes: biprobit

Bayes: clogit

Bayes: cloglog

Bayes: dsge

Bayes: dsge postestimation

Bayes: dsgenl

Bayes: fracreg

Bayes: glm

Bayes: gnbreg

Bayes: heckman

Bayes: heckprob

Bayes: heckprobit

Bayes: hetoprobit
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<tr>
<th>Command</th>
<th>Description</th>
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<td>Bayesian heteroskedastic linear regression</td>
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<tr>
<td>bayes: intreg</td>
<td>Bayesian interval regression</td>
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<tr>
<td>bayes: logistic</td>
<td>Bayesian logistic regression, reporting odds ratios</td>
</tr>
<tr>
<td>bayes: logit</td>
<td>Bayesian logistic regression, reporting coefficients</td>
</tr>
<tr>
<td>bayes: mecloglog</td>
<td>Bayesian multilevel complementary log–log regression</td>
</tr>
<tr>
<td>bayes: meglm</td>
<td>Bayesian multilevel generalized linear model</td>
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<td>bayes: meintreg</td>
<td>Bayesian multilevel interval regression</td>
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<td>bayes: melogit</td>
<td>Bayesian multilevel logistic regression</td>
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<td>bayes: mepoisson</td>
<td>Bayesian multilevel Poisson regression</td>
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<td>bayes: meprobit</td>
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<td>bayes: mestreg</td>
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<td>bayes: metobit</td>
<td>Bayesian multilevel tobit regression</td>
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<td>bayes: mixed</td>
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<tr>
<td>bayes: mlogit</td>
<td>Bayesian multinomial logistic regression</td>
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<tr>
<td>bayes: mprobit</td>
<td>Bayesian multinomial probit regression</td>
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<td>bayes: mvreg</td>
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<td>bayes: nbreg</td>
<td>Bayesian negative binomial regression</td>
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<td>bayes: ologit</td>
<td>Bayesian ordered logistic regression</td>
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<tr>
<td>bayes: oprobit</td>
<td>Bayesian ordered probit regression</td>
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<td>Bayesian Poisson regression</td>
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<td>bayes: probit</td>
<td>Bayesian probit regression</td>
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<tr>
<td>bayes: regress</td>
<td>Bayesian linear regression</td>
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<td>bayes: streg</td>
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<td>bayes: tnreg</td>
<td>Bayesian truncated negative binomial regression</td>
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<td>bayes: tobit</td>
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<td>bayes: truncreg</td>
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<td>bayes: var</td>
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<td>bayes: var postestimation</td>
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<td>bayes: xtlogit</td>
<td>Bayesian random-effects logit model</td>
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<td>bayes: xtmlogit</td>
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<td>bayes: xtnbreg</td>
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<td>bayes: zip</td>
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<td>bayes: fcast compute</td>
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<td>bayes: fcast graph</td>
<td>Graphs of Bayesian dynamic forecasts</td>
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<td>bayes: graf</td>
<td>Graphical summaries and convergence diagnostics</td>
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<td>bayes: sirf</td>
<td>Bayesian IRFs, dynamic-multiplier functions, and FEVDs</td>
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<td>bayes: cgraph</td>
<td>Combined graphs of Bayesian IRF results</td>
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<tr>
<td>bayes: create</td>
<td>Obtain Bayesian IRFs, dynamic-multiplier functions, and FEVDs</td>
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### Binary outcomes

| [U] | Chapter 20 | Estimation and postestimation commands |
| [U] | Section 27.4 | Binary outcomes |
| [BAYES] | Bayesian estimation | Bayesian estimation commands |
| [R] | binreg | Generalized linear models: Extensions to the binomial family |
| [R] | biprobit | Bivariate probit regression |
| [R] | cloglog | Complementary log–log regression |
| [LASSO] | dslogit | Double-selection lasso logistic regression |
| [ERM] | eprobit | Exact probit regression |
| [TE] | eteffects | Endogenous treatment-effects estimation |
| [FMM] | fmm estimation | Fitting finite mixture models |
| [R] | glm | Generalized linear models |
| [R] | heckprobit | Probit model with sample selection |
| [R] | hetprobit | Heteroskedastic probit model |
| [IRT] | irt 1p1 | One-parameter logistic model |
| [IRT] | irt 2p1 | Two-parameter logistic model |
| [IRT] | irt 3p1 | Three-parameter logistic model |
| [IRT] | irt hybrid | Hybrid IRT models |
| [R] | ivprobit | Probit model with continuous endogenous covariates |
| [R] | logistic | Logistic regression, reporting odds ratios |
| [R] | logit | Logistic regression, reporting coefficients |
| [ME] | mecloglog | Multilevel mixed-effects complementary log–log regression |
| [ME] | melogit | Multilevel mixed-effects logistic regression |
| [ME] | meprobit | Multilevel mixed-effects probit regression |
| [LASSO] | pologit | Partialing-out lasso logistic regression |
| [R] | probit | Probit regression |
| [R] | rocfit | Parametric ROC models |
| [R] | rocreg | Receiver operating characteristic (ROC) regression |
| [R] | scobit | Skewed logistic regression |
| [TE] | teffects aipw | Augmented inverse-probability weighting |
| [TE] | teffects ipw | Inverse-probability weighting |
| [TE] | teffects ipwra | Inverse-probability-weighted regression adjustment |
| [TE] | teffects nnmatch | Nearest-neighbor matching |
Censored and truncated regression models

[TE] teffects psmatch ................................. Propensity-score matching
[TE] teffects ra ................................. Regression adjustment
[TE] telasso ................................. Treatment-effects estimation using lasso
[LASSO] xpologit ................................. Cross-fit partialing-out lasso logistic regression
[XT] xtclloglog ................................. Random-effects and population-averaged cloglog models
[XT] xtprobit ................................. Extended random-effects probit regression
[XT] xtpoisson ................................. Fixed-effects, random-effects, and population-averaged logit models
[XT] xtprobit ................................. Random-effects and population-averaged probit models

Categorical outcomes

[U] Chapter 20 ................................. Estimation and postestimation commands
[U] Section 27.6 ................................. Ordinal outcomes
[U] Section 27.7 ................................. Categorical outcomes
[BAYES] Bayesian estimation ............................ Bayesian estimation commands
[R] clogit ................................. Conditional (fixed-effects) logistic regression
[CM] cmclogit ................................. Conditional logit (McFadden’s) choice model
[CM] cmixlogit ................................. 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] irtnrm ................................. Nominal response model
[R] mlogit ................................. Multinomial (polytomous) logistic regression
[R] mprobit ................................. Multinomial probit regression
[CM] nlogit ................................. Nested logit regression
[R] slogit ................................. Stereotype logistic regression
[XT] xtmlogit ................................. Fixed-effects and random-effects multinomial logit models

Censored and truncated regression models

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

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<td>Models for rank-ordered alternatives</td>
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<td>Models for panel data</td>
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<tr>
<td>8</td>
<td>Random utility models, assumptions, and estimation</td>
</tr>
</tbody>
</table>

### Commands

- `cmchoiceset`: Tabulate choice sets
- `cmclogit`: Conditional logit (McFadden’s) choice model
- `cmmixlogit`: Mixed logit choice model
- `cmprobit`: Multinomial probit choice model
- `cmrologit`: Rank-ordered logit choice model
- `cmroprobit`: Rank-ordered probit choice model
- `cmsample`: Display reasons for sample exclusion
- `cmset`: Declare data to be choice model data
- `cmsummarize`: Summarize variables by chosen alternatives
- `cmtab`: Tabulate chosen alternatives
- `cmxtmixlogit`: Panel-data mixed logit choice model
- `margins`: Adjusted predictions, predictive margins, and marginal effects
- `nlogit`: Nested logit regression

## Cluster analysis

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<td>Introduction to multivariate commands</td>
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<td></td>
<td>Dendrograms for hierarchical cluster analysis</td>
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<td>Compute similarity or dissimilarity measures</td>
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<td>Option for similarity and dissimilarity measures</td>
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## Correspondence analysis

- `ca`: Simple correspondence analysis
- `mca`: Multiple and joint correspondence analysis

## Count outcomes

- Chapter 20: Estimation and postestimation commands
- Section 27.8: Count outcomes
- Section 27.15.3: Discrete outcomes with panel data
| [BAYES] | Bayesian estimation | Bayesian estimation commands |
| [R] | cpoisson | Censored Poisson regression |
| [LASSO] | dspoisson | Double-selection lasso Poisson regression |
| [TE] | eteffects | Endogenous treatment-effects estimation |
| [TE] | etpoisson | Poisson regression with endogenous treatment effects |
| [R] | expoisson | Exact Poisson regression |
| [FMM] | fmm estimation | Fitting finite mixture models |
| [R] | heckpoisson | Poisson regression with sample selection |
| [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 |
| [TE] | teffects aipw | Augmented inverse-probability weighting |
| [TE] | teffects ipw | Inverse-probability weighting |
| [TE] | teffects ipwra | Inverse-probability-weighted regression adjustment |
| [TE] | teffects mmatch | Nearest-neighbor matching |
| [TE] | teffects psmatch | Propensity-score matching |
| [TE] | teffects ra | Regression adjustment |
| [TE] | telasso | Treatment-effects estimation using lasso |
| [R] | tnbreg | Truncated negative binomial regression |
| [R] | tpoisson | Truncated Poisson regression |
| [LASSO] | xpopoisson | Cross-fit partialing-out lasso Poisson regression |
| [XT] | xtnbreg | Fixed-effects, random-effects, & population-averaged negative binomial models |
| [XT] | xtpoisson | Fixed-effects, random-effects, and population-averaged Poisson models |
| [R] | zinb | Zero-inflated negative binomial regression |
| [R] | zip | Zero-inflated Poisson regression |

**Discriminant analysis**

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

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

| [U] | Section 27.23 | 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

[DSGE] Intro 1 ................................. Introduction to DSGEs
[DSGE] Intro 2 ............................... Learning the syntax
[DSGE] Intro 3 ............................... Classic DSGE examples
[DSGE] Intro 3a ............................. New Keynesian model
[DSGE] Intro 3b ............................. New Classical model
[DSGE] Intro 3c ............................. Financial frictions model
[DSGE] Intro 3d ............................. Nonlinear New Keynesian model
[DSGE] Intro 3e ............................. Nonlinear New Classical model
[DSGE] Intro 3f ............................. Stochastic growth model
[DSGE] Intro 4 .............................. Writing a DSGE in a solvable form
[DSGE] Intro 4a ............................. Specifying a shock on a control variable
[DSGE] Intro 4b ............................. Including a lag of a control variable
[DSGE] Intro 4c ............................. Including a lag of a state variable
[DSGE] Intro 4d ............................. Including an expectation dated by more than one period ahead
[DSGE] Intro 4e ............................. Including a second-order lag of a control
[DSGE] Intro 4f ............................. Including an observed exogenous variable
[DSGE] Intro 4g ............................. Correlated state variables
[DSGE] Intro 5 ............................... Stability conditions
[DSGE] Intro 6 ............................... Identification
[DSGE] Intro 7 ............................... Convergence problems
[DSGE] Intro 8 ............................... Wald tests vary with nonlinear transforms
[DSGE] Intro 9 ............................... Bayesian estimation
[DSGE] Intro 9a ............................. Bayesian estimation of a New Keynesian model
[DSGE] Intro 9b ............................. Bayesian estimation of stochastic growth model
[DSGE] dsgenl ............................. Linear dynamic stochastic general equilibrium models
[DSGE] dsgenl postestimation .................. Postestimation tools for dsgenl
[DSGE] estat covariance ....................... Display estimated covariances of model variables
[DSGE] estat policy ......................... Display policy matrix
[DSGE] estat stable ........................... Check stability of system
[DSGE] estat steady ......................... Display steady state of nonlinear DSGE model
[DSGE] estat transition ...................... Display state transition matrix

Endogenous covariates

[U] Chapter 20 ............................. Estimation and postestimation commands
[U] Chapter 27 ............................. Overview of Stata estimation commands
[ERM] eintreg ................................ Extended interval regression
[ERM] eoprobit ............................... Extended ordered probit regression
[ERM] eprobit ................................ Extended probit regression
[ERM] eregress ............................... Extended linear regression
[TE] eteffects ................................ Endogenous treatment-effects estimation
[TE] etpoisson ................................ Poisson regression with endogenous treatment effects
[TE] etregress ................................ Linear regression with endogenous treatment effects
[TS] forecast ................................ Econometric model forecasting
[R] gmm .................................. Generalized method of moments estimation
[R] ivpoisson ............................. Poisson model with continuous endogenous covariates
[R] ivprobit ............................. Probit model with continuous endogenous covariates
Epidemiology and related

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

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### Extended regression models

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**Note:** ERM = Extended regression model
Factor analysis and principal components

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

Finite mixture models

- Section 27.26: Finite mixture models (FMMs)
- estat eform: Display exponentiated coefficients
- estat icmean: Latent class marginal means
- estat icprob: Latent class marginal probabilities
- Example 1a: Mixture of linear regression models
- Example 1b: Covariates for class membership
- Example 1c: Testing coefficients across class models
- Example 1d: Component-specific covariates
- Example 2: Mixture of Poisson-specific covariates
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**Fractional outcomes**

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**Generalized linear models**

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**Indicator and categorical variables**

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## Item response theory

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## Lasso

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Latent class models

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[SEM] estat lcprob .................................................. Latent class marginal probabilities
[SEM] Example 50g .............................................. Latent class model
[SEM] Example 52g .............................................. Latent profile model
[SEM] Example 53g .............................................. Finite mixture Poisson regression
[SEM] Intro 2 ...................................................... Learning the language: Path diagrams and command language
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[U] Chapter 27 ..................................................... Overview of Stata estimation commands
[R] areg ............................................................. Linear regression with a large dummy-variable set
[R] Bayesian estimation ......................................... Bayesian estimation commands
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[R] constraint ....................................................... Define and list constraints
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[R] eivreg ........................................................... Errors-in-variables regression
[ERM] eregress ....................................................... Extended linear regression
[TE] etpoisson ...................................................... Poisson regression with endogenous treatment effects
[TE] etregress ...................................................... Linear regression with endogenous treatment effects
[FMM] fmm estimation ............................................. Fitting finite mixture models
[R] fp ................................................................. Fractional polynomial regression
[R] frontier ........................................................ Stochastic frontier models
[R] glm ............................................................... Generalized linear models
[R] heckman ......................................................... Heckman selection model
[R] hetregress ...................................................... Heteroskedastic linear regression
[R] ivpoisson ...................................................... Poisson model with continuous endogenous covariates
[R] ivregress ....................................................... Single-equation instrumental-variables regression
[R] ivtobit ........................................................... Tobit model with continuous endogenous covariates
[R] lpoly ............................................................. Kernel-weighted local polynomial smoothing
[ME] meglm ........................................................ Multilevel mixed-effects generalized linear model
[META] meta mvregress ........................................ Multivariate meta-regression
[META] meta regress .............................................. Meta-analysis regression
[R] mfp ............................................................... Multivariable fractional polynomial models
[ME] mixed ........................................................ Multilevel mixed-effects linear regression
[MV] mvreg ........................................................ Multivariate regression
[R] nestreg ........................................................ Nested model statistics
[TS] newey ........................................................ Regression with Newey–West standard errors
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[LASSO] poregress ................................................ Partialing-out lasso linear regression
### Logistic and probit regression

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### Logistic and probit regression

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### Longitudinal data/panel data

| [R] | hetoprobit | Heteroskedastic ordered probit regression |
| [R] | hetprobit | Heteroskedastic probit model |
| [IRT] | irt 1pl | One-parameter logistic model |
| [IRT] | irt 2pl | Two-parameter logistic model |
| [IRT] | irt 3pl | Three-parameter logistic model |
| [IRT] | irt grm | Graded response model |
| [IRT] | irt hybrid | Hybrid IRT models |
| [IRT] | irt nrm | Nominal response model |
| [IRT] | irt pcm | Partial credit model |
| [R] | ivprobit | Probit model with continuous endogenous covariates |
| [R] | logistic | Logistic regression, reporting odds ratios |
| [R] | logit | Logistic regression, reporting coefficients |
| [ME] | melogit | Multilevel mixed-effects logistic regression |
| [ME] | meologit | Multilevel mixed-effects ordered logistic regression |
| [ME] | meoprobit | Multilevel mixed-effects ordered probit regression |
| [ME] | meprobit | Multilevel mixed-effects Poisson regression |
| [R] | mlogit | Multinomial (polytomous) logistic regression |
| [R] | mprobit | Multinomial probit regression |
| [CM] | nlogit | Nested logit regression |
| [R] | ologit | Ordered logistic regression |
| [R] | oprobit | Ordered probit regression |
| [LASSO] | pologit | Partiaizing-out lasso logistic regression |
| [R] | probit | Probit regression |
| [R] | scobit | Skewed logistic regression |
| [R] | slogit | Stereotype logistic regression |
| [LASSO] | xpologit | Cross-fit partiaizing-out lasso logistic regression |
| [XT] | xtcloglog | Random-effects and population-averaged cloglog models |
| [XT] | xteprogib | Extended random-effects ordered probit regression |
| [XT] | xteprobit | Extended random-effects probit regression |
| [XT] | xtgee | Fit population-averaged panel-data models by using GEE |
| [XT] | xtmlogit | Fixed-effects, random-effects, and population-averaged logit models |
| [XT] | xtmlogit | Fixed-effects and random-effects multinomial logit models |
| [XT] | xtlogit | Random-effects ordered logistic models |
| [XT] | xtoprobit | Random-effects ordered probit models |
| [XT] | xtoprobit | Random-effects and population-averaged probit models |
| [R] | zilogit | Zero-inflated ordered logistic regression |
| [R] | ziologit | Zero-inflated ordered logit regression |
| [R] | zioprobit | Zero-inflated ordered probit regression |

### Longitudinal data/panel data

- *Compared to the previous version of the data set:*
- *New data sets:*
- *Updated data set information:*
- *Changes in data set structure:*
- *Improved data set documentation:*
- *Enhanced data set performance:*
- *Future data set developments:*
| [XT] | quadchk | Check sensitivity of quadrature approximation |
| [XT] | xt | Introduction to xt commands |
| [XT] | xtprobit | Extended random-effects ordered probit regression |
| [XT] | xtprobit | Extended random-effects probit regression |
| [XT] | xtregress | Extended random-effects linear regression |
| [XT] | xtfrontrier | Stochastic frontier models for panel data |
| [XT] | xtgee | Fit population-averaged panel-data models by using GEE |
| [XT] | xtlglss | Fit panel-data models by using GLS |
| [XT] | xtcheckman | Random-effects regression with sample selection |
| [XT] | xthtaylor | Hausman–Taylor estimator for error-components models |
| [XT] | xtingreg | Random-effects interval-data regression models |
| [XT] | xtrivreg | Instrumental variables and two-stage least squares for panel-data models |
| [XT] | xtline | Panel-data line plots |
| [XT] | xtrologit | Random-effects ordered logistic models |
| [XT] | xtoprobit | Random-effects ordered probit models |
| [XT] | xtpcse | Linear regression with panel-corrected standard errors |
| [XT] | xtpoisson | Fixed-effects, random-effects, and population-averaged Poisson models |
| [XT] | xtestreg | Random-effects and population-averaged regression models |
| [XT] | xtreg | Random-effects and population-averaged linear models |
| [XT] | xtreg | Fixed-, between-, and random-effects linear models |
| [XT] | xtset | Declare data to be panel data |
| [XT] | xstreg | Random-effects parametric survival models |
| [XT] | xtsum | Summarize xt data |
| [XT] | xtab | Tabulate xt data |
| [XT] | xttobit | Random-effects tobit models |
| [XT] | xttunitroot | Panel-data unit-root tests |

## Meta-analysis

| [U] | Section 27.18 | Meta-analysis |
| [META] | Intro bubbleplot | Introduction to meta-analysis |
| [META] | estat bubbleplot | Bubble plots after meta regress |
| [META] | estat heterogeneity | Compute multivariate heterogeneity statistics |
| [META] | estat recovariance | Display estimated random-effects covariance matrices |
| [META] | estat sd | Display variance components as standard deviations and correlations |
| [META] | meta | Introduction to meta |
| [META] | meta bias | Tests for small-study effects in meta-analysis |
| [META] | meta data | Declare meta-analysis data |
### Mixed models

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### Multidimensional scaling and biplots

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### Multilevel mixed-effects models

- `mdslong` Multidimensional scaling of proximity data in long format
- `mdsmat` Multidimensional scaling of proximity data in a matrix
- `measure_option` Option for similarity and dissimilarity measures

### Multiple imputation

- `me` Introduction to multilevel mixed-effects models
- `mecloglog` Multilevel mixed-effects complementary log–log regression
- `meglm` Multilevel mixed-effects generalized linear model
- `meintreg` Multilevel mixed-effects interval regression
- `melogit` Multilevel mixed-effects logistic regression
- `menbreg` Multilevel mixed-effects negative binomial regression
- `menl` Nonlinear mixed-effects regression
- `meologit` Multilevel mixed-effects ordered logistic regression
- `meoprobit` Multilevel mixed-effects ordered probit regression
- `mepoisson` Multilevel mixed-effects Poisson regression
- `meprobit` Multilevel mixed-effects probit regression
- `mestreg` Multilevel mixed-effects parametric survival models
- `metobit` Multilevel mixed-effects tobit regression
- `mixed` Multilevel mixed-effects linear regression

### Multivariate analysis of variance and related techniques

- `canon` Canonical correlations
- `hotelling` Hotelling’s $T^2$ generalized means test
### Nonlinear regression

- **[ME]** menl .................................................. Nonlinear mixed-effects regression
- **[R]** nl ..................................................... Nonlinear least-squares estimation
- **[R]** nlseur ............................................... Estimation of nonlinear systems of equations

### Nonparametric statistics

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

### Ordinal outcomes

- **[U]** Chapter 20 .......................................... Estimation and postestimation commands
- **[BAYES]** Bayesian estimation ........................... Bayesian estimation commands
- **[CM]** cmroprobit ........................................ Extended ordered probit regression
- **[CM]** cmrologit ........................................... Rank-ordered logit choice model
- **[ERM]** eoprobit ........................................... Extended ordered probit choice model
- **[FMM]** fmm estimation .................................... Fitting finite mixture models
- **[R]** heckoprobit .......................................... Ordered probit model with sample selection
Other statistics

- **alpha**: Compute inter-item correlations (covariances) and Cronbach’s alpha
- **ameans**: Arithmetic, geometric, and harmonic means
- **brier**: Brier score decomposition
- **centile**: Report centile and confidence interval
- **kappa**: Interrater agreement
- **mvtest correlations**: Multivariate tests of correlations
- **pcorr**: Partial and semipartial correlation coefficients
- **ptile**: Create variable containing percentiles
- **range**: Generate numerical range

Pharmacokinetic statistics

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

Power, precision, and sample size

- **Section 27.32**: Power, precision, and sample-size analysis
- **Intro**: Introduction to power, precision, and sample-size analysis
- **Intro (ciwidth)**: Introduction to precision and sample-size analysis for confidence intervals
- **Intro (power)**: Introduction to power and sample-size analysis for hypothesis tests
- **ciwidth**: Precision and sample-size analysis for CIs
- **ciwidth onemean**: Precision analysis for a one-mean CI
- **ciwidth onevariance**: Precision analysis for a one-variance CI
- **ciwidth pairedmeans**: Precision analysis for a paired-means-difference CI
- **ciwidth twomeans**: Precision analysis for a two-means-difference CI
- **ciwidth usermethod**: Add your own methods to the ciwidth command
- **ciwidth, graph**: Graph results from the ciwidth command
- **ciwidth, table**: Produce table of results from the ciwidth command
- **GUI (ciwidth)**: Graphical user interface for precision and sample-size analysis
- **GUI (power)**: Graphical user interface for power and sample-size analysis
- **power**: Power and sample-size analysis for hypothesis tests
### Quality control

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

### ROC analysis

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

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

Sample selection models

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

Simulation/resampling

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

Spatial autoregressive models

[U] Section 27.19 ..................................... Spatial autoregressive models
[SP] Intro ............................................. Introduction to spatial data and SAR models
[SP] Intro 1 ........................................... A brief introduction to SAR models
[SP] Intro 2 ........................................... The W matrix
[SP] Intro 3 ........................................... Preparing data for analysis
[SP] Intro 4 ........................................... Preparing data: Data with shapefiles
[SP] Intro 5 ........................................... Preparing data: Data containing locations (no shapefiles)
[SP] Intro 6 ........................................... Preparing data: Data without shapefiles or locations
[SP] Intro 7 ........................................... Example from start to finish
[SP] Intro 8 ........................................... The Sp estimation commands
[SP] estat moran ................................. Moran’s test of residual correlation with nearby residuals
[SP] grmap ........................................... Graph choropleth maps
[SP] spbalance ...................................... Make panel data strongly balanced
[SP] spcompress .................................... Compress Stata-format shapefile
[SP] spdistance ..................................... Calculator for distance between places
[SP] spgenerate ..................................... Generate variables containing spatial lags
[SP] spivregress ..................................... Spatial autoregressive models with endogenous covariates
Standard postestimation tests, tables, and other analyses

- Section 13.5: Accessing coefficients and standard errors
- Chapter 20: Estimation and postestimation commands
- Contrast: Contrasts and linear hypothesis tests after estimation
- 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
Section 27.24 Structural equation modeling (SEM)

Structural equation modeling

- [U] forecast query: Check whether a forecast model has been started
- [U] forecast solve: Obtain static and dynamic forecasts
- [R] hausman: Hausman specification test
- [R] lincom: Linear combinations of parameters
- [R] linktest: Specification link test for single-equation models
- [R] lrtest: Likelihood-ratio test after estimation
- [R] margins, contrast: Contrasts of margins
- [R] margins, pwcompare: Pairwise comparisons of margins
- [CM] margins: Adjusted predictions, predictive margins, and marginal effects
- [R] marginsplot: Graph results from margins (profile plots, etc.)
- [R] margins: Marginal means, predictive margins, and marginal effects
- [MV] mvtest: Multivariate tests
- [R] nlcrom: Nonlinear combinations of estimators
- [R] postest: Postestimation Selector
- [R] predict: Obtain predictions, residuals, etc., after estimation
- [R] predictnl: Obtain nonlinear predictions, standard errors, etc., after estimation
- [R] suest: Seemingly unrelated estimation
- [R] test: Test linear hypotheses after estimation
- [R] testnl: Test nonlinear hypotheses after estimation

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**Survey data**

- **Chapter 20**: Estimation and postestimation commands
- **Section 27.30**: Survey data
- **Survey**: Introduction to survey commands
- **bootstrap_options**: More options for bootstrap variance estimation
- **brr_options**: More options for BRR variance estimation
- **Calibration**: Calibration for survey data
Survival analysis

Chapter 20  Estimation and postestimation commands
Section 27.15.5  Survival models with panel data
Section 27.17  Survival analysis models
Section 27.20  Treatment-effects models
Section 27.32  Power, precision, and sample-size analysis
Survival analysis

adjfor_option  Adjust survivor and related functions for covariates at specific values
bayes: streg  Bayesian parametric survival models
cert  Count-time data
ctset  Declare data to be count-time data
cctost  Convert count-time data to survival-time data
discrete  Discrete-time survival analysis
fmm: streg  Finite mixtures of parametric survival models
itable  Life tables for survival data
mestreg  Multilevel mixed-effects parametric survival models
snapsnap  Convert snapshot data to time-span data
st  Survival-time data
st_is  Survival analysis subroutines for programmers
stbase  Form baseline dataset
stci  Confidence intervals for means and percentiles of survival time
stcox  Cox proportional hazards model
stcox PH-assumption tests  Tests of proportional-hazards assumption after stcox
stcrreg  Competing-risks regression
stcurve  Plot the survivor or related function after streg, stcox, and others
stdescribe  Describe survival-time data
stepwise  Stepwise estimation
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### Time series, multivariate

- **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
- **BayesIRF graph** Graphs of Bayesian IRFs, dynamic-multiplier functions, and FEVDs
- **Dynamic-factor models**
- **fcast compute** Compute dynamic forecasts after var, svar, or vec
- **fcast graph** Graph forecasts after fcast compute
- **Forecast** Econometric 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

Also see *Power, precision, and sample size*. 
### Time series, univariate

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arusima ................. Autoregressive fractionally integrated moving-average models
arima ...................... ARIMA, ARMAX, and other dynamic regression models
corrgram ...................... Tabulate and graph autocorrelations
cumsp ........................ DF-GLS unit-root test
dfgls ........................ Augmented Dickey–Fuller 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 sbcumul ................ Cumulative sum test for parameter stability
estat sknown ................ 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
forecast clear ............... Clear current model from memory
forecast coeffvector ...... 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
mswitch ...................... Markov-switching regression models
newey ........................ Regression with Newey–West standard errors
pergram ........................ Periodogram
pperron ........................... Phillips–Perron unit-root test
prais .......................... Prais–Winsten and Cochrane–Orcutt regression
psdensity ................. Parametric spectral density estimation after arima, arfima, and ucm
regress postestimation time series . Postestimation tools for regress with time series
rolling ....................... Rolling-window and recursive estimation
sspace .......................... State-space models
threshold ..................... Threshold regression
tappend ...................... Add observations to a time-series dataset
tfill ........................... Fill in gaps in time variable
tfilter ....................... Filter a time series for cyclical components
tfilter bk .................. Baxter–King time-series filter
tfilter bw ................ Butterworth time-series filter
tfilter cf .................. Christiano–Fitzgerald time-series filter
tfilter hp ................... Hodrick–Prescott time-series filter
tline ......................... Time-series line plots
treport ..................... Report time-series aspects of a dataset or estimation sample
trevar ........................ Time-series operator programming command
tset .......................... Declare data to be time-series data
tssmooth .................. Smooth and forecast univariate time-series data
tssmooth dxponential ..... Double-exponential smoothing
tssmooth exponential .... Single-exponential smoothing	ssmooth hwinters ........... Holt–Winters nonseasonal smoothing
tssmooth ma ................ Moving-average filter
tssmooth nl ................ Nonlinear filter
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
- `sktest` — Skewness and kurtosis tests for normality
- `swilk` — Shapiro–Wilk and Shapiro–Francia tests for normality

Treatment effects

- `[U]` Section 27.20 — Treatment-effects models
- `[TE]` DID intro — Introduction to difference-in-differences estimation
- `[TE]` Treatment effects — Introduction to treatment-effects commands
- `[TE]` 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
- `[TE]` eteffects — Endogenous treatment-effects estimation
- `[TE]` etpoisson — Poisson regression with endogenous treatment effects
- `[TE]` etregress — Linear regression with endogenous treatment effects
- `[TE]` stteffects — Treatment-effects estimation for observational survival-time data
- `[TE]` stteffects intro — Introduction to treatment effects for observational survival-time data
- `[TE]` stteffects ipw — Survival-time inverse-probability weighting
- `[TE]` stteffects ipwra — Survival-time inverse-probability-weighted regression adjustment
- `[TE]` stteffects ra — Survival-time regression adjustment
- `[TE]` stteffects wra — Survival-time weighted regression adjustment
- `[TE]` tebalance — Check balance after teffects or stteffects estimation
- `[TE]` tebalance box — Covariate balance box
- `[TE]` tebalance density — Covariate balance density
- `[TE]` tebalance overid — Test for covariate balance
- `[TE]` tebalance summarize — Covariate-balance summary statistics
- `[TE]` tfeffects — Treatment-effects estimation for observational data
- `[TE]` tfeffects aipw — Augmented inverse-probability weighting
- `[TE]` tfeffects intro — Introduction to treatment effects for observational data
- `[TE]` tfeffects intro advanced — Advanced introduction to treatment effects for observational data
- `[TE]` tfeffects ipw — Inverse-probability weighting
- `[TE]` tfeffects ipwra — Inverse-probability-weighted regression adjustment
- `[TE]` tfeffects multivalued — Multivalued treatment effects
- `[TE]` tfeffects nnmatch — Nearest-neighbor matching
- `[TE]` tfeffects psmatch — Propensity-score matching
- `[TE]` tfeffects ra — Regression adjustment
- `[TE]` telasso — Treatment-effects estimation using lasso
- `[TE]` teoverlap — Overlap plots
Matrix commands

Basics

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

Programming

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

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

Programming

Basics

[U] Chapter 18 ................................................................. Programming Stata
[U] Section 18.3 ............................................................ Macros
[U] Section 18.11 ........................................................... Ado-files
[P] comments ....................................................... Add comments to programs
[P] fvexpand ..................................................... Expand factor varlists
[P] macro .............................................................. Macro definition and manipulation
[P] program ......................................................... Define and manipulate programs
[P] return ............................................................... Return stored results
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<td>Break out of loops</td>
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<td>error</td>
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<tr>
<td>foreach</td>
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<td>Parse numeric lists</td>
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<td>Divide strings into tokens</td>
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### Commonly used programming commands

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<th>Make programs byable</th>
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<td>#delimit</td>
<td>Change delimiter</td>
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<td>exit</td>
<td>Exit from a program or do-file</td>
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<td>fvrevar</td>
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<td>mark</td>
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<tr>
<td>matrix</td>
<td>Introduction to matrix commands</td>
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<tr>
<td>more</td>
<td>Pause until key is pressed</td>
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<td>nopreserve option</td>
<td>Preserve and restore data</td>
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<tr>
<td>quietly</td>
<td>Quietly and noisily perform Stata command</td>
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<td>sortpreserve</td>
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<tr>
<td>timer</td>
<td>Time sections of code by recording and reporting time spent</td>
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<tr>
<td>tsrevar</td>
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### Debugging

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<td>class</td>
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<td>classutil</td>
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<td>Generate Office Open XML (.docx) document</td>
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<td>doc2pdf</td>
<td>Convert a Word (.docx) document to a PDF file</td>
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<td>Java utilities</td>
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<td>moptimize()</td>
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<td>putdocx collect</td>
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<tr>
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<td>putdocx pagebreak</td>
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<tr>
<td>putexcel advanced</td>
<td>Export results to an Excel file using advanced syntax</td>
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</table>
Combined subject table of contents

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

Special-interest programming commands

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

Projects

[P] Project Manager .......................................................... Organize Stata files

File formats

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

Mata


Customizable tables and collections

[TABLES] Intro ............................................................... Introduction
[TABLES] Intro 1 ............................................................. How to read this manual
Predefined styles

Appendix for collect style cell

Example 7

Example 6

Example 5

Example 4

Example 3

Example 2

Example 1

Collection principles

Tags, dimensions, levels, and layout from first principles

Collection styles for displaying base levels

Collection styles for displaying omitted coefficients

Collection styles for table headers

Collection styles for row headers

Collection styles for putpdf

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Collection styles for column headers

Collection styles for cells

Collection styles for automatic dimension levels

Collection styles for intercept position

Collection styles for significant results in a collection

Collection styles for table headers

Collection styles for display empty cells

Collection styles for displaying summary statistics

Collection styles for HTML files

Collection styles for row headers

Collection styles for column headers

Collection styles for hiding and showing header components

Collection styles for showing omit components

Preview the table in a collection

List levels of a dimension

Manage custom labels in a collection

Export table from a collection

Collect results from a Stata command

Display names of all collections in memory

Add tags to items in a collection

Combine collections

Save collection styles to disk

Save a collection to disk

Copy a collection

Create a new collection

Clear all collections in memory

Clear all collection styles

List dimensions in a collection

Specify table layout for the current collection

Overview of commands

Workflow outline

A tour of concepts and commands

Appendix for collect style cell

Table of means, standard deviations, and correlations

Table of medians and rank-sum test results

Table of comparative summary statistics

Table of $t$ test results

Table of regression coefficients and confidence intervals

Table comparing regression results

Table of regression results using survey data

Predefined collection styles
### Automated document and report creation

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

### Interface features

- **[GS]** Chapter 1 (GSM, GSU, GSW) ...................... Introducing Stata—sample session
- **[GS]** Chapter 2 (GSM, GSU, GSW) ...................... The Stata user interface
- **[GS]** Chapter 3 (GSM, GSU, GSW) ...................... Using the Viewer
- **[GS]** Chapter 6 (GSM, GSU, GSW) ...................... Using the Data Editor
- **[GS]** Chapter 7 (GSM, GSU, GSW) ...................... Using the Variables Manager
- **[GS]** Chapter 13 (GSM, GSU, GSW) .................... Using the Do-file Editor—automating Stata
- **[GS]** Chapter 15 (GSM, GSU, GSW) .................... Editing graphs
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<td>Dialog programming</td>
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<td>doedit</td>
<td>Edit do-files and other text files</td>
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<tr>
<td>edit</td>
<td>Browse or edit data with Data Editor</td>
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<td>smcl</td>
<td>Stata Markup and Control Language</td>
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<td>Unicode locale utilities</td>
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<tr>
<td>varmanage</td>
<td>Manage variable labels, formats, and other properties</td>
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<td>viewsourc</td>
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<td>window fopen</td>
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<td>2SLS</td>
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<td>3SLS</td>
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<td>ADF</td>
<td>asymptotic distribution free</td>
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<td>attributable fraction among the exposed</td>
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<td>AFP</td>
<td>attributable fraction for the population</td>
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<td>Akaike information criterion</td>
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<td>AIPW</td>
<td>augmented inverse-probability weights</td>
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<td>ANCOVA</td>
<td>analysis of covariance</td>
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<td>ANOVA</td>
<td>analysis of variance</td>
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<td>APE</td>
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<td>autoregressive integrated moving average</td>
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<td>American Standard Code for Information Interchange</td>
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<td>ASL</td>
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<td>IIA</td>
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<td>independent and identically distributed</td>
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<td>multivariate analysis of variance</td>
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MCA multiple correspondence analysis
MCAGHQ mode-curvature adaptive Gauss–Hermite quadrature
MCAR missing completely at random
MCE Monte Carlo error
MCMC Markov chain Monte Carlo
MCSE MCMC standard errors
MDES minimum detectable effect size
MDS multidimensional scaling
ME multiple equation
MEFF misspecification effect
MEFT misspecification effect (standard deviation metric)
MFP multivariable fractional polynomial
MI / mi multiple imputation
midp mid-p-value
MIMIC multiple indicators and multiple causes
MINQUE minimum norm quadratic unbiased estimation
MIVQUE minimum variance quadratic unbiased estimation
ML maximum likelihood
MLE maximum likelihood estimate
MLMV maximum likelihood with missing values
mlong marginal long
MM method of moments
MNAR missing not at random
MNL multinomial logit
MNP multinomial probit
MPL modified profile likelihood
MS mean square
MSAR Markov-switching autoregression
MSB most-significant byte
MSDR Markov-switching dynamic regression
MSE mean squared error
MSL maximum simulated likelihood
MSS model sum of squares
MUE median unbiased estimates
MVAGHQ mean–variance adaptive Gauss–Hermite quadrature
MVN multivariate normal
MVREG multivariate regression
NARCH nonlinear ARCH
NHANES National Health and Nutrition Examination Survey
NLS nonlinear least squares
NPARCH nonlinear power ARCH
NPML nonparametric maximum-likelihood estimation
NR Newton–Raphson
NRM nominal response model
ODBC Open Database Connectivity
OIM observed information matrix
OIRF orthogonalized impulse–response function
OLE Object Linking and Embedding (Microsoft product)
OLS ordinary least squares
OPG outer product of the gradient
OR odds ratio
PA population averaged
PARCH power ARCH
PCA principal component analysis
PCM partial credit model
PCSE panel-corrected standard error
PDF Portable Document Format
p.d.f. probability density function
PFE prevented fraction among the exposed
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<td>PFP</td>
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<td></td>
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</table>
STS structural time series
SUR seemingly unrelated regression
SURE seemingly unrelated regression estimation
SUTVA stable unit treatment value assumption
SVAR structural vector autoregressive model
SVD singular value decomposition
SVG scalable vector graphics

TACC treatment-arm continuity correction
TAR target acceptance rate
TARCH threshold ARCH
TCC test characteristic curve
TDT transmission/disequilibrium test
TIF test information function
TIFF tagged image file format
TLC Tucker–Lewis index
TSS total sum of squares

UCA Unicode Collation Algorithm
UCM unobserved-components model
UI user interface
UTF-8 Universal character set + Transformation Format—8-bit

VAR vector autoregressive model
VAR(1) first-order vector autoregressive
VARMA vector autoregressive moving average
VARMA(1,1) first-order vector autoregressive moving average
VCE variance–covariance estimate
VECM vector error-correction model
VIF variance inflation factor

WLC worst linear combination
WLF worst linear function
WLS weighted least squares
WNLS weighted nonlinear least squares
wrt with respect to

XML Extensible Markup Language

ZINB zero-inflated negative binomial
ZIOL zero-inflated ordered logit
ZIOP zero-inflated ordered probit
ZIP zero-inflated Poisson
ZTNB zero-truncated negative binomial
ZTP zero-truncated Poisson
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Nadaraya, E. A., [R] lpoly, [R] npregress kernel
Nadle, J., [D] icd10
Nagler, J., [R] scobit
Naiman, D. Q., [R] qreg
Nanci, T., [TE] estregress
Nardini, A., [R] Epitab
Narendra, W., [XT] xtabond
Narula, S. C., [R] qreg
Nash, S., [PSS-2] Intro (power)
National Center for Health Statistics, [D] icd, [D] icd9, [D] icd9p
National Research Council, [META] meta trimfill
Nattino, G., [R] estat gof
Navarro-Lozano, S., [TE] teffects intro advanced
Neal, R. M., [BAYES] Intro
Nelder, J. A., [LASSO] Lasso inference
Nelder, J. A., [LASSO] Lasso inference
Nelson, E. C., [MV] alpha
Nelson, R. W., [MV] mtvtest, [MV] mtvtest means
Nel, D. G., [MV] mtvtest, [MV] mtvtest means
Nelson, R. W., [MV] mtvtest, [MV] mtvtest means
Nelson, F. D., [R] logit, [R] probit
Nelson, W., [ST] streg postestimation, [ST] sts
Nelson, W. C., [MV] mtvtest correlations
Netlib, [M-5] LinearProgram()
Nett, L. M., [META] meta mregress
Neudecker, H., [TS] var svar
Neumayer, E., [SP] Intro
Newel, K., [MV] procrustes
Newbold, P., [TS] arima, [TS] vec intro
Newcomb, S., [BAYES] bayespredict
Newey, W. K., continued
Newton, I., [M-5] optimize()
Neyman, J., [R] ci
Ng, E. S.-W., [ME] me, [ME] meglm, [ME] melogit, [ME] meprob, [R] bootstrap, [R] bstat
Ng, S., [TS] dfgls
Nguyen, J. T., [PSS-2] intro (power), [R] esize
Nicewander, W. A., [R] correlate
Nielsen, B., [TS] varsoc, [TS] vec intro
Nielsen, M. O., [R] bootstrap, [TE] DID intro, [TE] didregress
Nightingale, F. [G-2] graph pie
Nijkamp, P., [META] Intro
Nocedal, J., [M-5] LinearProgram()
Noguera, G. M., [ST] stcox
Nolan, D., [R] Diagnostic plots
Nordlund, D. J., [MV] discrim lda
Norwood, J. L., [R] Intro
Nunnally, J. C., [MV] alpha
Nyquist, H., [LASSO] elasticnet

O

O'Brien, K. L., [R] prtest
O'Brien, R. G., [PSS-2] power oneway
O'Carroll, R. E., [META] meta summarize
O'Connell, P. G. J., [XT] xtnunitroot
O'Donnell, C. J., [XT] xfrontend
O'Donnell, O., [R] Inequality, [SVY] svy estimation, [SVY] svyset
O'Fallon, W. M., [R] logit
O'Hara, B., [BAYES] bayesmh
O'Neil, D., [R] glm, [R] Inequality
O'Neill, S., [R] Inequality
O'Rourke, K., [META] meta labbeplot
Oberfichtner, M., [MV] mvreg, [R] suest
Obsdfeld, M., [XT] xtnunitroot
Ochiai, A., [MV] measure_option
Odell, P. M., [ST] stintcox, [ST] stintreg
Odum, E. P., [MV] clustermap
Oehlert, G. W., [R] nlcom, [R] rocreg postestimation, [R] rocregplot
Oh, K.-Y., [XT] xtnunitroot
Oliveira, A. G., [ST] Hable, [ST] sts
Oliver, D., [R] expoisson
Olsen, M. K., [MI] Intro substantive
Olszansky, S. J., [ST] streg
Olson, J. M., [R] symmetry
Omar, R. Z., [ME] me
Ooms, M., [TS] arima
Oparil, S., [PSS-2] power repeated
Orcutt, G. H., [TS] prais
Osbat, C., [XT] xtnunitroot
Oski, J., [R] prtest
Osterlind, S. J., [IRT] DIF
Osterwald-Lenum, M. G., [TS] vecrank
Ostle, B., [R] anova postestimation
Ott, R. L., [SVY] Survey
Ouiaraisi, S., [XT] xtcointttest
Over, M., [R] regress, [XT] xtivreg
P


Pacheco, J. M., [R] dstdize

Pacifico, D., [R] roctab

Pagan, A. R., [MV] mvreg, [R] frontier,
[R] hetregress, [R] regresst postestimation,

Pagano, M., [R] dstdize, [R] logistic, [R] margins, [R] proportion, [R] tabulate twoway,
[ST] Itable, [ST] sts

Paik, M. C., [META] Intro, [META] meta esize,
[PSS-2] power oneproportion, [PSS-2] power twoproportions, [R] dstdize, [R] Epitab,
[R] kappa

Pall, G., [META] meta data

Palma, W., [TS] arfima, [TS] arfima postestimation,
[TS] estat acplot

Palmer, T. M., [ME] mixed, [META] Intro,
[META] meta, [META] meta funnelplot,
[R] ivregress, [SEM] Intro 5

Palta, M., [XT] xtclolog, [XT] xtgee, [XT] xtintreg,
[XT] xtablogit, [XT] xtablogit, [XT] xtoprobit,
[XT] xtprobfit, [XT] xtobit

Pampel, F. C., [R] logistic, [R] logit, [R] probit

Paneth, N. [R] Epitab

Panneton, F., [FN] Random-number functions, [R] set rngstream

Pantazis, N., [ME] meglm, [ME] mixed

Paolino, P., [R] betareg

Papke, L. E., [R] betareg

Parents, E., [BAYES] Intro

Parham, R., [R] eivreg, [R] gmm

Park, H. J., [P] _robust, [R] regresst,
[SVY] svy: tabulate twoway

Park, J. Y., [DSGE] Intro 8, [R] boxcox, [R] margins,
[R] nlmom, [R] predictnl, [R] rocreg postestimation,
[R] rocregplot, [R] testnl,
[TS] sspace, [TS] vec intro, [TS] vec,
[TS] vecrank

Parker, R. A., [META] meta summarize

Parkinson, A., [R] prtest

Parks, W. P., [R] exlogistic

Parmar, M. K. B., [PSS-2] Intro (power),

Parmeter, C. F., [R] npregress kernel

Parmigiani, G., [BAYES] Intro

Parner, E. T., [R] glm, [ST] stcox

Parzen, E., [R] estat ic, [R] kdensity

Pasquini, J., [R] Epitab, [R] vws


Paterson, L., [ME] melogit

Patterson, H. D., [R] pkcross

Patterson, K., [XT] xtunitroot

Pattitoni, P., [R] betareg

Paule, R. C., [META] Intro, [META] meta esize,
[META] meta set, [META] meta summarize,
[META] meta regresst

Paulsen, J., [TS] varsoc, [TS] vec intro

Pawitan, Y., [TE] effectest ra

Pearl, J., [BAYES] Intro

Pearson, E. S., [BAYES] bayesmh, [R] ci, [R] ttest

Pearson, K.,
[G-2] graph twoway histogram, [META] Intro,
[MV] mds, [MV] measure_option, [MV] pca,
[R] correlate, [R] esize, [R] tabulate twoway

Peclivanoglou, P., [R] betareg

Pedlet, M., [SP] spdistance

Pedace, R., [R] logit, [R] probit, [R] regresst,
[R] regresst postestimation diagnostic plots,
[U] 20.26 References

Pedroni, P., [XT] xtcointtest

Peel, D., [FMM] fmm intro, [FMM] Example 1a

Peeen, C., [MV] procustes

Pellock, I. M., [BAYES] bayesmh

Pendegast, J. F., [XT] xtclolog, [XT] xtgee,
[XT] xtablogit, [XT] xtablogit, [XT] xtoprobit,
[XT] xtprobfit, [XT] xtobit

Penfield, R. D., [IRT] DIF, [R] esize

Peng, H., [SP] Intro

Peng, J., [PSS-2] power oneproportion

Peng, M., [R] pwcompare

Penrose, R., [M-5] pinv( )

Pepe, M. S., [R] roc, [R] roccomp, [R] rocfit,
[R] rocreg, [R] rocreg postestimation,
[R] rocregplot, [R] roctab, [ST] streg

Peracchi, F., [MI] Intro substantive, [R] jackknife,
[R] regresst, [R] regresst postestimation

Perales, F., [ME] meglm

Pérez, C. M., [R] Epitab, [ST] stcox

Pérez-Amaral, T., [U] 20.26 References

Pérez-Hernández, M. A., [R] kdensity

Pérez-Regadera, J. F., [R] rocreg, [R] rocreg postestimation,
[R] rocregplot, [R] roc tab, [ST] streg

Pericchi, L. R., [BAYES] Intro

Perotti, V., [ERM] eoprobit, [R] heckoprobit,
[R] heckprobfit, [R] oprobit

Perrier, D., [ME] menl

[R] mprobit, [R] mprobit postestimation,
[R] predictnl, [R] slogit, [SEM] Example 37g

Perron, P., [TS] dfgls, [TS] estab sbsingle,

Perrot, B., [IRT] irt

Perry, H. M., [PSS-2] power repeated

Persson, R., [G-1] Graph intro

Pesaran, M. H., [XT] xtunitroot

Pesarin, F., [R] tabulate twoway


Ramadas, V., [R] roc

Ramalheiro, C., [R] aneans

Ramaswamy, V., [CM] cmminlogit, [CM] cmxtnlogit, [FMM] Example 3


Redelmeier, D. A., [R] brier

Redondo-Sánchez, D., [R] roc

Reeves, D., [META] Intro, [META] meta, [META] meta summarize

Reichenheim, M. E., [R] kappa, [R] roccomp, [R] rotab

Reichlin, L., [BAYES] bayes: var

Reid, C., [M-5] Hilbert(), [R] ci

Reid, N. M., [ST] stcox

Rennie, D., [META] Example 28g, [SEM] Example 29g


Relles, D. A., [R] rreg


Rennie, D., [META] Intro

Research Triangle Institute, [SVY] svy: tabulate twoway

Revankar, N. S., [BAYES] bayesmh, [R] frontier, [XT] xfrontier

Revelt, D., [CM] cmminlogit, [CM] cmxtnlogit

Reynh, K., [ME] meintreg

Rice, K., [META] Intro, [META] meta, [META] meta summarize

Rice, N., [FMM] fmm intro

Richards, D. S. P., [MV] mvtest means

Richards, S., [META] meta data

Richardson, W., [R] ttest

Richman, D. D., [ST] stintreg

Richter, J. R., [PSS-2] power logrank


Rieckmann, A., [MI] mi impute chained

Riffenburgh, R. H., [R] ismirror, [R] kwallis

Riley, A. R., [D] filefilter


Rios Insua, D., [BAYES] Intro


Rip, M., [R] Epitab
Royston, P., continued

[R] lnskew0, [R] lowess, [R] marginsplot,
[ST] streg, [TE] stteffects intro

Royuela, A., [R] logistic, [R] logit

Rubin, D. B., [BAYES] Intro,
[BAYES] bayesmh, [BAYES] bayesstats grubin,

Rubin, H., [R] ivregress postestimation

Rubinfeld, D. L., [EMR] eprobit, [R] biprobit,
[R] heckprobit

Rubinstein, L. V., [PSS-2] power exponential

Rubio-Ramírez, J. F., [DSGE] Intro 1, [DSGE] dsge

Rucker, G., [META] Intro, [META] meta summarize, [META] meta funnelplot, [META] meta bias

Rudebusch, G. D., [R] ivregress postestimation

Ruggles, S., [R] mlexp


Runkle, D. E., [TS] arch

Ruppert, D., [BAYES] bayesmh, [ME] me,
[ME] meglm, [ME] menl, [ME] mixed,
[RB] boxcox, [R] rreg

Rush, M., [D] egen

Rushton, L., [META] Intro, [META] meta funnelplot,
[META] meta bias, [META] meta trimfill

Russell, P. F., [MV] measure_option

Rutherford, E., [R] poisson

Rutherford, M. J., [R] poisson, [ST] stcrreg,
[ST] stptime

Rueda, P. A., [CM] cmrologit, [R] gmm, [R] suest

Ruyssen, I., [XT] xtabond, [XT] xtdp, [XT] xtdpdsys


Ryan, P., [D] pctile, [U] 11.7 References


S

Sadhana, V. V., [M-5] LinearProgram()

Saikkonen, P., [TS] vec intro, [TS] vecrank

Saint-Cyr, L. D. F., [FMM] fmm intro

Sajaia, Z., [R] biprobit, [R] heckprobit

Sakamoto, Y., [R] BIC note

Saksman, E., [BAYES] Intro, [BAYES] bayesmh

Salanti, G., [META] Intro, [META] meta esize,
[META] meta set, [META] meta summarize

Salas Paulia G., C. H., [D] egen

Salgado-Ugarte, I. H., [R] kdensity, [R] smooth

Salmond, D. J., [BAYES] Intro

Saltzman, M. J., [M-5] LinearProgram()

Salvador, M., [TS] vecrank

Samaniego, F. J., [TS] varvle

Samejima, F., [IRT]irt 3pl, [IRT]irt grm,
[IRT]irtgraph iff

Sammon, J. W., Jr., [MV] mds, [MV] mdslong,
[MV] mdsat, [MV] Glossary

Sammons, P., [MI] mi estimate

Sampson, A. R., [MV] hotelling

Samuels, S. J., [U] 25.8 References

San Martín, E., [TS] stcox

San Martín, E., [TS] stcrreg

San Martín, E., [TS] stcox

Sarafidis, V., [R] cluster

Sass, T. R., [R] biprobit

Sargan, J. D., [R] ivregress postestimation, [TS] prais

Sargent, T. J., [DSGE] Intro 1, [DSGE] Intro 5,
[TS] dfactor

Sarabia, J. M., [MI] Intro substantive, [MI] mi impute chained

Sarafidis, V., [R] cluster

Sass, T. R., [R] biprobit

Sargan, J. D., [R] ivregress postestimation, [TS] prais

Sargent, T. J., [DSGE] Intro 1, [DSGE] Intro 5,
[TS] dfactor

Sarabia, J. M., [MI] Intro substantive, [MI] mi impute chained

Sarafidis, V., [R] cluster

Sass, T. R., [R] biprobit

Sargan, J. D., [R] ivregress postestimation, [TS] prais

Sargent, T. J., [DSGE] Intro 1, [DSGE] Intro 5,
[TS] dfactor

Sarabia, J. M., [MI] Intro substantive, [MI] mi impute chained

Sarafidis, V., [R] cluster

Sass, T. R., [R] biprobit

Sargan, J. D., [R] ivregress postestimation, [TS] prais

Sargent, T. J., [DSGE] Intro 1, [DSGE] Intro 5,
[TS] dfactor

Sarabia, J. M., [MI] Intro substantive, [MI] mi impute chained

Sarafidis, V., [R] cluster

Sass, T. R., [R] biprobit

Sargan, J. D., [R] ivregress postestimation, [TS] prais

Sargent, T. J., [DSGE] Intro 1, [DSGE] Intro 5,
[TS] dfactor

Sarabia, J. M., [MI] Intro substantive, [MI] mi impute chained

Sarafidis, V., [R] cluster

Sass, T. R., [R] biprobit

Sargan, J. D., [R] ivregress postestimation, [TS] prais

Sargent, T. J., [DSGE] Intro 1, [DSGE] Intro 5,


T

Tabachnick, B. G., [MV] discrim, [MV] discrim lda
Tabord-Meehan, M., [R] mean
Taffé, P., [R] pwcompare
Taka, M. T., [R] pkcross
Tallis, G. M., [ERM] eprobit postestimation
Tamhane, A. C., [FN] Statistical functions,
Tamminen, J., [BAYES] Intro, [BAYES] bayesmh
Tan, S. B., [PSS-2] power logrank
Tan, S. H., [PSS-2] power logrank
Tan, Z., [TE] teffects intro advanced, [TE] teffects aipw
Tanimoto, T. T., [MV] measure_option
Taniuchi, T., [R] kdensity
Tanner, M. A., [BAYES] Intro, [MI] Intro substantive,
   [MI] mi impute mvn
Tanner, W. P., Jr., [R] Iroc
Tanur, J. M., [R] kwallis
Tao, T., [M-5] LinearProgram( )
Tapia, R. A., [R] kdensity
Tarlov, A. R., [MV] alpha, [MV] factor, [MV] factor postestimation,
   [R] lincom, [R] mlogit,
   [R] mprobit, [R] mprobit postestimation,
   [R] predictnl, [R] sglot, [SEM] Example 37g
Tarone, R. E., [R] Epitab, [ST] sttest test
Tastan, H., [TS] vargranger
Taub, A. J., [XT] xtreg
Tauchmann, H., [M-5] LinearProgram( ), [MV] mvreg,
   [R] frontier, [R] heckman, [R] suest
Taylor, C., [R] glamm, [R] glm
Taylor, H. M., [TS] mswitch
Taylor, J. B., [DSGE] Intro 1
Taylor, J. E., [LASSO] Lasso intro
Taylor, J. M. G., [MI] Intro substantive, [MI] mi impute,
   [MI] mi impute pmm, [MI] mi impute regress
Taylor, L. W., [R] predict
Taylor, M. A., [R] set rngstream, [R] simulate
Taylor, W. E., [XT] xthtaylor
teller, A. H., [BAYES] Intro
Tellier, E., [BAYES] Intro
ten Berge, J. M. F., [MV] procrustes
ter Bogt, T., [MV] mvtest
Teräsvirta, T., [TS] mgarch, [TS] mgarch ccc
Terbish, M., [R] logit
Terlaky, T., [M-5] LinearProgram( )
Terpstra, T. J., [R] uptrend
Terrin, N., [META] Intro, [META] meta funnelplot,
   [META] meta bias
Terza, J. V., [R] eipoisson, [R] heckpoisson,
   [R] margins, [TE] eteffects, [TE] etpoisson
Tetzlaff, J., [META] Intro, [META] meta funnelplot,
   [META] meta bias
Teukolsky, S. A., [FN] Statistical functions,
   [P] matrix symeigen, [R] dydx
Thall, P. F., [ME] mepoisson
Thayer, D. J., [TE] teffects intro advanced
   PH-assumption tests, [ST] stcox postestimation,
   [ST] stcreg
Thiele, T. N., [R] summarize
Thissen, D., [IRT] irt grm
Thomas, A., [BAYES] bayesmh
Thomas, D. C., [ST] sttoce
Thomas, D. G., [META] meta esize, [R] Epitab
Thomas, D. R., [SVY] svy: tabulate twoway
   Diagnostic plots
Thompson, B., [MV] canon postestimation, [R] esize,
   [R] regress postestimation
Thompson, D. J., [TE] teffects intro advanced
Thompson, J. C., [R] glm
Thompson, J. R., [META] meta mvregress,
   [R] kdensity
Thompson, M. L., [R] rocreg
Thompson, S. G., [ME] me, [META] Intro,
   [META] Intro, [META] meta esize,
   [META] meta set, [META] meta summarize,
   [META] meta regress, [META] meta estat bubbleplot,
   [META] meta mvregress, [META] estat heterogeneity,
   [META] Glossary
Thompson, S. K., [BAYES] Intro, [SVY] Survey
Thompson, W. A., Jr., [ME] me, [ME] menl,
   [ME] mixed
Thoms, J., [BAYES] bayesmh
Thomson, G. H., [MV] factor postestimation,
   [MV] Glossary
Tutz, G., [ME] me
Tweedie, R. L., [META] Intro, [META] Intro, [META] meta, [META] meta trimfill
Tyler, D. E., [MV] pca
Tzavalis, E., [XT] xtunitroot

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Überhuber, C. W., [M-5] Quadrature()
Uebersax, J. S., [R] tetrachoric
Uhlendorff, A., [CM] cmmprobit, [R] mlogit, [R] mprobit
Uhlig, H., [TS] tsfilter, [TS] tsfilter hp
Ulman, S., [BAYES] Intro
Ullah, A., [R] npregress kernel
University Group Diabetes Program, [R] Epitab
Uno, H., [ST] stcox
Upton, G. J. G., [U] 1.4 References
Ureta, M., [XT] xtreg
Uribe, M., [DSGE] Intro 3f, [DSGE] Intro 9b
Usinger, R. L., [MV] cluster dendrogram
Uthoff, V. A., [PSS-2] power cox

V

Vach, W., [R] Epitab, [R] regress, [ST] stcrreg
Vaeth, M., [PSS-2] power cox
van der Broeck, J., [R] frontier, [XT] xfrontier
van der Ende, J., [MV] mptest
Van der Heijden, P. G. M., [MV] ca postestimation
van der Laan, M. J., [TE] teffects intro advanced
Van Der Linde, A., [BAYES] bayesstats ic
van der Linden, W. J., [IRT] Example 28g, [SEM] Example 29g
Van der Merwe, C. A., [MV] mptest, [MV] mptest means
Van der Reyden, D., [R] ranks test
van Doorslaer, E., [SVY] svy estimation, [SVY] svyset
van Houwelingen, H. C., [META] meta mregress
Van Kerm, P., [P] postfile, [R] Inequality, [R] kdensity
Van Loan, C. F., [R] orthog, [R] tetrachoric,

[TS] arima, [TS] arima postestimation
Van Mechelen, I., [MI] Intro substantive, [MI] mi impute
Van Oort, T., [R] Inequality
Van Roye, B., [BAYES] bayes: var
Vandebroek, M., [CM] Intro 6
Varadharajan-Krishnakumar, J., [XT] xtivreg
Vázquez, D. P., [META] Intro
Vazquez-Bare, G., [TE] teffects intro advanced
Vazquez-Bare, G., [PSS-2] power
Veall, M. R., [DSGE] Intro 8
Vega Yon, G. G., [R] set rngstream
Vehtari, A., [BAYES] Intro, [BAYES] bayesmh,


[BAYES] bayes: xtnbreg, [BAYES] Glossary,

[MI] Intro substantive, [MI] mi impute mvn,

[MI] mi impute regres
Vella, F., [ME] me, [TE] etregress
Velleman, P. F., [R] regress postestimation, [R] smooth
Venables, W., [R] esize
Venti, S. F., [TE] telasso
Ventura, M., [TE] teffects intro
Ventura, V., [G-2] graph box, [MV] pca, [R] correlate,


[XT] xtreg
Verbeek, M., [ME] me, [TE] etregress
Von Neumann, J., [BAYES] Intro
Verdinelli, I., [BAYES] Intro
Verduynen, J., [MV] mvtest
Verkuilen, J., [R] betareg
Vermandele, C., [G-2] graph box, [R] summarize
Verme, C. N., [ME] menl
Vetter, J. A., [META] meta forestplot
Vevea, J. L., [META] Intro, [META] meta summarize
Vick, R., [R] mlexp
Vidakovic, B., [BAYES] Intro
Vidmar, S., [R] aneans
Vigfusson, Q. H., [R] kappa, [R] tabulate twoway, [R] ztest
Wald, A., [TS] varwle
Walker, A. M., [R] Epitab
Walker, J., [CM] cmmxlogit, [CM] cmxtmixlogit
Walker, S., [ST] sts test
Waller, L. A., [SP] Intro, [SP] sprogress
Waller, P. A., [META] Intro
Wallgren, A., [G-1] Graph intro
Wallgren, B., [G-1] Graph intro
Wallis, W. A., [R] kwallis
Walsh, B., [R] Inequality
Walstrum, T., [TE] etregress
Walters, E. H., [META] meta data
Wang, H. J., [R] frontier, [XT] xtfrontier
Wang, J.-L., [ST] sts graph
Wang, J. W., [ST] streg
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