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<th>Quality control</th>
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<th>Rotation</th>
<th>Sample selection models</th>
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1
## Combined subject table of contents

- Extended regression models
- Factor analysis and principal components
- Finite mixture models
- Fractional outcomes
- Generalized linear models
- Indicator and categorical variables
- Item response theory
- Lasso
- Latent class models
- Linear regression and related
- Logistic and probit regression
- Matrix commands
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  - Programming
- Programming
  - Basics
  - Program control
  - Parsing and program arguments
  - Console output
  - Commonly used programming commands
  - Debugging
- Automated document and report creation
- Interface features

## Getting started

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

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

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

**[U]** Chapter 3 ................................. Resources for learning and using Stata

**[U]** Chapter 4 ................................. Stata’s help and search facilities

**[R]** help ...................................... Display help in Stata

**[R]** search ................................. Search Stata documentation and other resources

## Data manipulation and management

### Basic data commands

**[D]** Intro ................................. Introduction to data management reference manual

**[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

**[D]** format .................................. Set variables’ output format
Creating and dropping variables

- clear ......................................................... Clear memory
- compress ................................................. Compress data in memory
- drop ....................................................... Drop variables or observations
- dyngen ..................................................... Dynamically generate new values of variables
- egen ......................................................... Extensions to generate
- frame copy ............................................... Make a copy of a frame
- frame drop ............................................... Drop 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
- orthog ...................................................... Orthogonalize variables and compute orthogonal polynomials

Functions and expressions

- Section 12.4.2.1 ........................................ Unicode string functions
- Chapter 13 ................................................. Functions and expressions
- egen ......................................................... Extensions to generate
- Mathematical functions
- Matrix functions
- Programming functions
- Random-number functions
- Selecting time-span functions
- Statistical functions
- String functions
- Trigonometric functions

Strings

- Section 12.4 ............................................... Strings
## Dates and times

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

## Loading, saving, importing, and exporting data

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

## Combining data

- **Chapter 23** Combining datasets
  - `append` Append datasets
  - `mi append` Append mi data
  - `cross` Form every pairwise combination of two datasets
  - `frget` Copy variables from linked frame
<table>
<thead>
<tr>
<th>Combined subject table of contents 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>[D] frlink ................................ ................................ .......................... Link frames</td>
</tr>
<tr>
<td>[D] joinby ................................... Form all pairwise combinations within groups</td>
</tr>
<tr>
<td>[D] merge ........................................ Merge datasets</td>
</tr>
<tr>
<td>[MI] mi merge ................................. Merge mi data</td>
</tr>
</tbody>
</table>

**Certifying data**

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

**Reshaping datasets**

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

**Labeling, display formats, and notes**

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

**Changing and renaming variables**

[GS] Chapter 7 (GSM, GSU, GSW) ......................... Using the Variables Manager  |
[U] Chapter 26 .................................. Working with categorical data and factor variables  |
[D] clonevar ...................................... Clone existing variable  |
[D] destring ................................... Convert string variables to numeric variables and vice versa  |
[D] dyngen ..................................... Dynamically generate new values of variables  |
[D] encode ....................................... Encode string into numeric and vice versa  |
[D] generate .................................... Create or change contents of variable  |
## Examine Data

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<th>Command</th>
<th>Description</th>
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<td>summarized</td>
<td>One- and two-way tables of summary statistics</td>
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<tr>
<td>tabulate twoway</td>
<td>Two-way table of frequencies</td>
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<tr>
<td>tabulate oneway</td>
<td>One-way table of frequencies</td>
</tr>
<tr>
<td>tabstat</td>
<td>Compact table of summary statistics</td>
</tr>
<tr>
<td>table</td>
<td>Flexible table of summary statistics</td>
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<tr>
<td>tabdisp</td>
<td>Display tables</td>
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<tr>
<td>tabulate, summarize()</td>
<td>One- and two-way tables of summary statistics</td>
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<tr>
<td>xtdescribe</td>
<td>Describe pattern of xt data</td>
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## File Manipulation

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<td>cd</td>
<td>Change directory</td>
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<tr>
<td>cf</td>
<td>Compare two datasets</td>
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<tr>
<td>changeeol</td>
<td>Convert end-of-line characters of text file</td>
</tr>
<tr>
<td>checksum</td>
<td>Calculate checksum of file</td>
</tr>
<tr>
<td>copy</td>
<td>Copy file from disk or URL</td>
</tr>
<tr>
<td>dir</td>
<td>Display filenames</td>
</tr>
<tr>
<td>erase</td>
<td>Erase a disk file</td>
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<tr>
<td>filefilter</td>
<td>Convert ASCII or binary patterns in a file</td>
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<tr>
<td>makedir</td>
<td>Create directory</td>
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<tr>
<td>mkdir</td>
<td>Create directory</td>
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<tr>
<td>mvencode</td>
<td>Change missing values to numeric values and vice versa</td>
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<td>order</td>
<td>Reorder variables in dataset</td>
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<td>recode</td>
<td>Recode categorical variables</td>
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<td>rename</td>
<td>Rename variable</td>
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<td>rename group</td>
<td>Rename groups of variables</td>
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<td>split</td>
<td>Split string variables into variables</td>
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<td>varmanage</td>
<td>Manage variable labels, formats, and other properties</td>
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<tr>
<td>xtdescribe</td>
<td>Describe pattern of xt data</td>
</tr>
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</table>
Multiple imputation

Miscellaneous data commands

Multiple datasets in memory

Multiple imputation
| MI | mi export ice | Export mi data to ice format |
| MI | mi export nhanes | 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 nhanes | Import NHANES-format data into mi |
| MI | mi import wide | Import wide-like data into mi |
| MI | mi merge | Merge mi data |
| MI | mi missable | Tabulate pattern of missing values |
| MI | mi passive | Generate/replace and register passive variables |
| MI | mi prtrace | Load parameter-trace file into Stata |
| MI | mi rename | Rename variable |
| MI | mi replace0 | Replace original data |
| MI | mi reset | Reset imputed or passive variables |
| MI | mi reshape | Reshape mi data |
| MI | mi set | Declare multiple-imputation data |
| MI | mi stsplit | Stsplit and stjoin mi data |
| MI | mi update | Ensure that mi data are consistent |
| MI | mi varying | Identify variables that vary across imputations |
| MI | mi xeq | Execute command(s) on individual imputations |
| MI | mi XXXset | Declare mi data to be svy, st, ts, xt, etc. |
| MI | mi noupdate option | The noupdate option |
| MI | mi Styles | Dataset styles |
| MI | Workflow | Suggested workflow |

Utilities

Basic utilities

| GS | Chapter 13 (GSM, GSU, GSW) | Using the Do-file Editor—automating Stata |
| U | Chapter 4 | Stata’s help and search facilities |
| U | Chapter 15 | Saving and printing output—log files |
| U | Chapter 16 | Do-files |
| R | about | Display information about your Stata |
| D | by | Repeat Stata command on subsets of the data |
| R | cls | Clear Results window |
| R | copyright | Display copyright information |
| R | do | Execute commands from a file |
| R | doedit | Edit do-files and other text files |
| R | exit | Exit Stata |
| R | help | Display help in Stata |
| R | level | Set default confidence level |
| R | log | Echo copy of session to file |
| D | obs | Increase the number of observations in a dataset |
| R | 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 |
**Combined subject table of contents**

| [D] | unicode translate | Translate files to Unicode |
| [R] | view | View files and logs |
| [D] | zipfile | Compress and uncompress files and directories in zip archive format |

### Error messages

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

### Stored results

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

### Internet

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

### Data types and memory

| [U] | Chapter 6 | Managing memory |
| [U] | Section 12.2.2 | Numeric storage types |
| [U] | Section 12.4 | Strings |
| [U] | Section 12.4.2 | Handling Unicode strings |
| [U] | Section 13.12 | Precision and problems therein |
### Advanced utilities

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<th>Description</th>
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<td>Verify truth of claim</td>
</tr>
<tr>
<td>assertnested</td>
<td>Verify variables nested</td>
</tr>
<tr>
<td>cd</td>
<td>Change directory</td>
</tr>
<tr>
<td>changeeol</td>
<td>Convert end-of-line characters of text file</td>
</tr>
<tr>
<td>checksum</td>
<td>Calculate checksum of file</td>
</tr>
<tr>
<td>copy</td>
<td>Copy file from disk or URL</td>
</tr>
<tr>
<td>_datassignature</td>
<td>Determine whether data have changed</td>
</tr>
<tr>
<td>datasignature</td>
<td>Determine whether data have changed</td>
</tr>
<tr>
<td>db</td>
<td>Launch dialog</td>
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<tr>
<td>Dialog programming</td>
<td>Dialog programming</td>
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<td>Display filenames</td>
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<td>discard</td>
<td>Drop automatically loaded programs</td>
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<td>file</td>
<td>Read and write text and binary files</td>
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<td>filefilter</td>
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<td>hexdump</td>
<td>Display hexadecimal report on file</td>
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<td>Create directory</td>
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<td>more</td>
<td>The —more— message</td>
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<td>query</td>
<td>Display system parameters</td>
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<td>quietly</td>
<td>Quietly and noisily perform Stata command</td>
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<tr>
<td>rmdir</td>
<td>Remove directory</td>
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<td>set</td>
<td>Overview of system parameters</td>
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<td>set cformat</td>
<td>Format settings for coefficient tables</td>
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<tr>
<td>set_defaults</td>
<td>Reset system parameters to original Stata defaults</td>
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<tr>
<td>set emptycells</td>
<td>Set what to do with empty cells in interactions</td>
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<tr>
<td>set iter</td>
<td>Control iteration settings</td>
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<tr>
<td>set locale_functions</td>
<td>Specify default locale for functions</td>
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<tr>
<td>set locale_ui</td>
<td>Specify a localization package for the user interface</td>
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<tr>
<td>set rngstream</td>
<td>Specify the stream for the random-number generator</td>
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<tr>
<td>set seed</td>
<td>Specify random-number seed and state</td>
</tr>
<tr>
<td>set showbaselevels</td>
<td>Display settings for coefficient tables</td>
</tr>
<tr>
<td>shell</td>
<td>Temporarily invoke operating system</td>
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<tr>
<td>signestimationsample</td>
<td>Determine whether the estimation sample has changed</td>
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<tr>
<td>smcl</td>
<td>Stata Markup and Control Language</td>
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- **Graph command**
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R Diagnostic plots .......................... Distributional diagnostic plots
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- `cumsps` .................................................... Graph cumulative spectral distribution
- `estat acplot` ................................. Plot parametric autocorrelation and autocovariance functions
- `estat aroots` ................................. Check the stability condition of ARIMA estimates
- `estat sbcusum` ....................... Cumulative sum test for parameter stability
- `fcast graph` ........................................... Graph forecasts after `fcast compute`
- `irf cg ` ........................................ Combined graphs of IRFs, dynamic-multiplier functions, and FEVDs
- `irf graph` ........................................ Graphs of IRFs, dynamic-multiplier functions, and FEVDs
- `irf ograph` ....................................... Overlaid graphs of IRFs, dynamic-multiplier functions, and FEVDs
- `pergram` ............................................ Periodogram
- `tsline` ............................................... Time-series line plots
- `varstable` ........................................... Check the stability condition of VAR or SVAR estimates
- `vecstable` ........................................... Check the stability condition of VECM estimates
- `wntestb` ............................................ Bartlett’s periodogram-based test for white noise
- `xcorr` ................................................ Cross-correlogram for bivariate time series

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- `[PSS-3]` `ciwidth, graph` .................... Tables for epidemiologists
- `[R]` `Epitab` ........................................... Postestimation tools for `fp`
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- `[R]` `pkexamine` ..................................... Calculate pharmacokinetic measures
- `[R]` `pksumm` ......................................... Summarize pharmacokinetic data
- `[PSS-2]` `power, graph` ......................... Stem-and-leaf displays
- `[TE]` `tebalance box` ................................ Covariate balance box
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- `[G-1]` **Graph Editor** ............................... Graph Editor

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

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- `[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

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- `[G-4]` `Concept: lines` ............................ Using lines
- `[G-4]` `Concept: repeated options` ................ Interpretation of repeated options
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<td>loneway</td>
<td>Large one-way ANOVA, random effects, and reliability</td>
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<td>mixed</td>
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<td>Collect statistics for a command across a by list</td>
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## Basic statistics

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- Section 27.33: Bayesian analysis
- Intro: Introduction to Bayesian analysis
- Bayesian commands: Introduction to commands for Bayesian analysis
- Bayesian estimation: Bayesian estimation commands
- Bayesian postestimation: Postestimation tools for bayesmh and the bayes prefix
- bayes: Bayesian regression models using the bayes prefix
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- bayes: binreg: Bayesian generalized linear models: Extensions to the binomial family
- bayes: biprobit: Bayesian bivariate probit regression
- bayes: clogit: Bayesian conditional logistic regression
- bayes: cloglog: Bayesian complementary log-log regression
- bayes: fracreg: Bayesian fractional response regression
- bayes: glm: Bayesian generalized linear models
- bayes: gnreg: Bayesian generalized negative binomial regression
- bayes: heckman: Bayesian Heckman selection model
- bayes: heckoprobit: Bayesian ordered probit model with sample selection
- bayes: heckprobit: Bayesian probit model with sample selection
- bayes: hetprobit: Bayesian heteroskedastic ordered probit regression
- bayes: hetregress: Bayesian heteroskedastic linear regression
- bayes: intreg: Bayesian interval regression
- bayes: logistic: Bayesian logistic regression, reporting odds ratios
- bayes: logit: Bayesian logistic regression, reporting coefficients
- bayes: mecloglog: Bayesian multilevel complementary log-log regression
- bayes: meglm: Bayesian multilevel generalized linear model
- bayes: meintreg: Bayesian multilevel interval regression
- bayes: melogit: Bayesian multilevel logistic regression
- bayes: menbreg: Bayesian multilevel negative binomial regression
- bayes: meologit: Bayesian multilevel ordered logistic regression
- bayes: meoprobit: Bayesian multilevel ordered probit regression
- bayes: mepoisson: Bayesian multilevel Poisson regression
- bayes: meprobit: Bayesian multilevel probit regression
- bayes: mestreg: Bayesian multilevel parametric survival models
- bayes: metobit: Bayesian multilevel tobit regression
- bayes: mixed: Bayesian multilevel linear regression
- bayes: mlogit: Bayesian multinomial logistic regression
- bayes: mprobit: Bayesian multinomial probit regression
- bayes: mvreg: Bayesian multivariate regression
- bayes: nbreg: Bayesian negative binomial regression
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- bayes: oprobit: Bayesian ordered probit regression
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- bayes: probit: Bayesian Poisson regression
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Section 27.4: Binary outcomes
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Complementary log-log regression
Double-selection lasso logistic regression
Extended probit regression
Endogenous treatment-effects estimation
Exact logistic regression
Fitting finite mixture models
Generalized linear models
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Heteroskedastic probit model
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Two-parameter logistic model
Three-parameter logistic model
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Probit model with continuous endogenous covariates
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Multilevel mixed-effects logistic regression
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Random-effects and population-averaged probit models

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Multinomial (polytomous) logistic regression

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- **Intro** Introduction
- **Intro 1** Interpretation of choice models
- **Intro 2** Data layout
- **Intro 4** Estimation commands
- **Intro 5** Models for discrete choices
- **Intro 6** Models for rank-ordered alternatives
- **Intro 7** Models for panel data
- **Intro 8** Random utility models, assumptions, and estimation
- **cmchoiceset** Tabulate choice sets
- **cmclogit** Conditional logit (McFadden’s) choice model
- **cmmixlogit** Mixed logit choice model
- **cmprobit** Rank-ordered probit choice model
- **cmrologit** Rank-ordered logit choice model
- **cmmprobit** Multinomial 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

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- **Section 27.22** Multivariate analysis
- **Multivariate** Introduction to multivariate commands
- **cluster** Introduction to cluster-analysis commands
- **cluster dendrogram** Dendrograms for hierarchical cluster analysis
- **cluster generate** Generate grouping variables from a cluster analysis
- **cluster kmeans and kmedians** Kmeans and kmedians cluster analysis
- **cluster linkage** Hierarchical cluster analysis
- **cluster notes** Cluster analysis notes
- **cluster programming subroutines** Add cluster-analysis routines
- **cluster programming utilities** Cluster-analysis programming utilities
- **cluster stop** Cluster-analysis stopping rules
- **cluster utility** List, rename, use, and drop cluster analyses
- **clustermat** Introduction to clustermat commands
- **measure_option** Option for similarity and dissimilarity measures
- **ca** Simple correspondence analysis
- **mca** Multiple and joint correspondence analysis

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### Count outcomes

- **Chapter 20** Estimation and postestimation commands
- **Section 27.8** Count outcomes
- **Section 27.15.3** Discrete outcomes with panel data
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- **Bayesian estimation commands**

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- `cpoisson`

## Double-selection lasso Poisson regression
- `ds poisson`

## Endogenous treatment-effects estimation
- `eteffects`

## Poisson regression with endogenous treatment effects
- `etpoisson`

## Exact Poisson regression
- `expoisson`

## Fitting finite mixture models
- `fmm estimation`

## Poisson regression with sample selection
- `heckpoisson`

## Multilevel mixed-effects negative binomial regression
- `menbreg`

## Multilevel mixed-effects Poisson regression
- `mepoisson`

## Negative binomial regression
- `nbreg`

## Negative binomial regression
- `poisson`

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- `popoisson`

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- `teffects aipw`

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- `teffects ipw`

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- `teffects ipwra`

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- `teffects nnmatch`

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- `teffects psmatch`

## Regression adjustment
- `teffects ra`

## Truncated negative binomial regression
- `tnbreg`

## Truncated Poisson regression
- `tpoisson`

## Cross-fit partialing-out lasso Poisson regression
- `xpopoisson`

## Fixed-effects, random-effects, & population-averaged negative binomial models
- `xtnbreg`

## Fixed-effects, random-effects, and population-averaged Poisson models
- `xtpoisson`

## Zero-inflated negative binomial regression
- `zinb`

## Zero-inflated Poisson regression
- `zip`

### Discriminant analysis
- **Canonical linear discriminant analysis**
  - `candisc`

- **Discriminant analysis**
  - `discrim`

- **Postestimation tools for discrim**
  - `discrim estat`

- **kth-nearest-neighbor discriminant analysis**
  - `discrim knn`

- **Linear discriminant analysis**
  - `discrim lda`

- **Logistic discriminant analysis**
  - `discrim logistic`

- **Quadratic discriminant analysis**
  - `discrim qda`

- **Score and loading plots**
  - `scoreplot`

- **Scree plot of eigenvalues**
  - `screeplot`

### Do-it-yourself generalized method of moments
- **Generalized method of moments (GMM)**
  - `Section 27.23`...`gmm`

- **Generalized method of moments estimation**
  - `ml`

- **Introduction to matrix commands**
  - `matrix`

### Do-it-yourself maximum likelihood estimation
- **Introduction to matrix commands**
  - `matrix`

- **Maximum likelihood estimation**
  - `ml`

- **Maximum likelihood estimation of user-specified expressions**
  - `mlexp`

### Dynamic stochastic general equilibrium models
- **Dynamic stochastic general equilibrium (DSGE) models**
  - `Section 27.28`...`Intro`
Endogenous covariates

[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
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[DSGE] Intro 3d ............................................................. Nonlinear New Keynesian model
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[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
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[DSGE] Intro 4d ............................................................. Including an expectation dated by more than one period ahead
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[DSGE] Intro 4f ............................................................. Including an observed exogenous variable
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[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
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] expoissson ................. 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] rocrreg .................... 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

[R] BIC note ..................... Calculating and interpreting BIC
[R] constraint .................. Define and list constraints
[R] eform_option ................ Displaying exponentiated coefficients
[R] Estimation options .......... Estimation options
[R] fp ................................ Fractional polynomial regression
### Exact statistics

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

### Extended regression models

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

Example 1b ........................ Interval regression with continuous endogenous covariate
Example 1c ... Interval regression with endogenous covariate and sample selection
Example 2a ........................ Linear regression with binary endogenous covariate
Example 2b ...................... Linear regression with exogenous treatment
Example 2c ........................ Linear regression with endogenous treatment
Example 3a ...................... Probit regression with continuous endogenous covariate
Example 3b ...................... Probit regression with endogenous covariate and treatment
Example 4a ...................... Probit regression with endogenous sample selection
Example 4b ........................ Probit regression with endogenous treatment and sample selection
Example 5 ........................ Probit regression with endogenous ordinal treatment
Example 6a ...................... Ordered probit regression with endogenous treatment
Example 6b ........................ Ordered probit regression with endogenous treatment and sample selection
Example 7 7 ................................ Random-effects regression with continuous endogenous covariate
Example 8a ........................ Random effects in one equation and endogenous covariate
Example 8b ........................ Random effects, endogenous covariate, and endogenous sample selection
Example 9 9 ................................ Ordered probit regression with endogenous treatment and random effects
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predict treatment ........................ predict for treatment statistics
Triangulizar .............................. How to triangularize a system of equations
xtextend ................................... Extended random-effects interval regression
xtprobit ............................... Extended random-effects ordered probit regression
xtprobit ............................... Extended random-effects probit regression
xtreg ................................. Extended random-effects linear regression

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
tetricoric ............................ Tetrachoric correlations for binary variables

Finite mixture models

Section 27.26 .......................... Finite mixture models (FMMs)
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estat lcmean .......................... Latent class marginal means
estat lcprob .......................... Latent class marginal probabilities
Example 1a .......................... Mixture of linear regression models
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Example 1d .......................... Component-specific covariates
Example 2 ............................ Mixture of Poisson regression models
Example 3 ............................ Zero-inflated models
Example 4 ............................ Mixture cure models for survival data
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[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 regress ...................................... Meta-analysis regression
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Logistic and probit regression

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<td>Rank-ordered probit choice model</td>
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<td>Three-parameter logistic model</td>
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<td>Probit model with continuous endogenous covariates</td>
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<tr>
<td>logistic</td>
<td>Logistic regression, reporting odds ratios</td>
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Longitudinal data/panel data

- [R] logit ................................................. Logistic regression, reporting coefficients
- [ME] melogit ........................................... Multilevel mixed-effects logistic regression
- [ME] meologit ......................................... Multilevel mixed-effects ordered logistic regression
- [ME] meoprobit ......................................... Multilevel mixed-effects ordered probit regression
- [ME] meprobit ......................................... Multilevel mixed-effects probit regression
- [R] mlogit ............................................... Multinomial (polytomous) logistic regression
- [R] mprobit ............................................ Multinomial probit regression
- [CM] nlogit ............................................... Nested logit regression
- [R] ologit ............................................... Ordered logistic regression
- [R] oprobit ............................................. Ordered probit regression
- [LASSO] pologit ........................................... Partialing-out lasso logistic regression
- [R] probit ............................................... Probit regression
- [R] scobit ............................................... Skewed logistic regression
- [R] slogit ............................................... Stereotype logistic regression
- [LASSO] xpologit ........................................ Cross-fit partialing-out lasso logistic regression
- [XT] xtcloglog ........................................... Random-effects and population-averaged cloglog models
- [XT] xteoprobit ......................................... Extended random-effects ordered probit regression
- [XT] xteprobit ......................................... Extended random-effects probit regression
- [XT] xtgee ................................................ Fit population-averaged panel-data models by using GEE
- [XT] xtlogit .............................................. Fixed-effects, random-effects, and population-averaged logit models
- [XT] xtologit ............................................ Random-effects ordered logistic models
- [XT] xtoprobit ......................................... Random-effects ordered probit models
- [XT] xtprobit ............................................ Random-effects and population-averaged probit models
- [R] zioprobit ........................................... Zero-inflated ordered probit regression

Longitudinal data/panel data

- [U] Chapter 20 ........................................... Estimation and postestimation commands
- [U] Section 27.15 ....................................... Panel-data models
- [ERM] eintreg ............................................ Extended interval regression
- [ERM] eoprobit ......................................... Extended ordered probit regression
- [ERM] eprobit ............................................. Extended probit regression
- [ERM] eregress ............................................ Extended linear regression
- [ME] meologit ......................................... Multilevel mixed-effects ordered logistic regression
- [ME] meoprobit ......................................... Multilevel mixed-effects ordered probit regression
- [ME] mepoisson ........................................ Multilevel mixed-effects Poisson regression
- [ME] meprobit ......................................... Multilevel mixed-effects probit regression
- [ME] mixed .............................................. Multilevel mixed-effects linear regression
- [XT] quadchk ............................................ Check sensitivity of quadrature approximation
- [XT] xt ...................................................... Introduction to xt commands
- [XT] xtabond ............................................ Arellano–Bond linear dynamic panel-data estimation
- [XT] xtcloglog ........................................... Random-effects and population-averaged cloglog models
- [XT] xtcointtest ........................................ Panel-data cointegration tests
- [XT] xtdescribe .......................................... Describe pattern of xt data
- [XT] xtdp ............................................... Linear dynamic panel-data estimation
- [XT] xtdpdsys ......................................... Arellano–Bover/Blundell–Bond linear dynamic panel-data estimation
- [XT] xteintreg ......................................... Extended random-effects interval regression
- [XT] xteoprobit ......................................... Extended random-effects ordered probit regression
- [XT] xteprobit ......................................... Extended random-effects probit regression
- [XT] xtreg ............................................... Extended random-effects linear regression
- [XT] xfrontier .......................................... Stochastic frontier models for panel data
## Mixed models

- **ANOVA**: Analysis of variance and covariance
- **Section 27.16**: Multilevel mixed-effects models
- **Chapter 20**: Estimation and postestimation commands
- **Meta-analysis**: Introduction to meta-analysis
- **Meta-regression**: Declare meta-analysis data
- **Meta-regression**: Meta-analysis regression
- **Meta-analysis**: Nonparametric trim-and-fill analysis of publication bias
- **Meta-analysis**: Update, describe, and clear meta-analysis settings
- **Fixed-effects, random-effects, and population-averaged logit models**: Meta-analysis regression
- **Random-effects ordered logistic models**: Meta-analysis regression
- **Fixed-effects, random-effects, & population-averaged negative binomial models**: Meta-analysis regression
- **Random-effects ordered probit models**: Meta-analysis regression
- **Fixed-effects, random-effects, and population-averaged Poisson models**: Meta-analysis regression
- **Random-effects parametric survival models**: Meta-analysis regression
- **Random-coefficients model**: Meta-analysis regression
- **Random-effects tobit models**: Meta-analysis regression
- **Panel-data unit-root tests**: Meta-analysis regression

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## Meta-analysis

- **Section 27.18**: Introduction to meta-analysis
- **Meta-analysis**: Introduction to meta-analysis
- **Meta-analysis**: Meta-analysis regression
- **Meta-analysis**: Nonparametric trim-and-fill analysis of publication bias
- **Meta-analysis**: Update, describe, and clear meta-analysis settings

---

## Meta-analysis

- **ANOVA**: Analysis of variance and covariance
- **Section 27.16**: Multilevel mixed-effects models
- **Analysis of variance and covariance**: Meta-analysis regression
- **Calculate degrees of freedom for fixed effects**: Meta-analysis regression
- **Summarize the composition of the nested groups**: Meta-analysis regression
- **Estimate intraclass correlations**: Meta-analysis regression
- **Display estimated random-effects covariance matrices**: Meta-analysis regression
- **Display variance components as standard deviations and correlations**: Meta-analysis regression
- **Display within-cluster correlations and standard deviations**: Meta-analysis regression
[R] icc ............................................ Intraclass correlation coefficients
[MV] manova .......................... Multivariate analysis of variance and covariance
[ME] me ................................. Introduction to multilevel mixed-effects models
[ME] mecloglog ........................ Multilevel mixed-effects complementary log-log regression
[ME] meglm ................................. Multilevel mixed-effects generalized linear model
[ME] meintreg ............................ Multilevel mixed-effects interval regression
[ME] melogit .............................. Multilevel mixed-effects logistic regression
[ME] menbreg ............................ Multilevel mixed-effects negative binomial regression
[ME] menl ................................ Nonlinear mixed-effects regression
[ME] meologit ............................ Multilevel mixed-effects ordered logistic regression
[ME] meoprobit ............................ Multilevel mixed-effects ordered probit regression
[ME] mepoisson ........................ Multilevel mixed-effects Poisson regression
[ME] meprobit ............................ Multilevel mixed-effects probit regression
[ME] mestreg ............................. Multilevel mixed-effects parametric survival models
[ME] metobit ............................. Multilevel mixed-effects tobit regression
[ME] mixed ............................. Multilevel mixed-effects linear regression
[XT] xtcloglog .......................... Random-effects and population-averaged cloglog models
[XT] xtintreg ............................ Random-effects interval-data regression models
[XT] xtlogit ................................ Fixed-effects, random-effects, and population-averaged logit models
[XT] xtologit .............................. Random-effects ordered logistic models
[XT] xtoprobit ............................... Random-effects ordered probit models
[XT] xtprobit ............................. Random-effects and population-averaged probit models
[XT] xtrc ................................ Random-coefficients model
[XT] xtreghd Fixed-, between-, and random-effects and population-averaged linear models
[XT] xtobit ............................ Random-effects tobit models

Multidimensional scaling and biplots

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

Multilevel mixed-effects models

[U] Section 27.16 ................................. Multilevel mixed-effects models
[BAYES] Bayesian estimation .......................... Bayesian estimation commands
[ME] me ................................ Introduction to multilevel mixed-effects models
[ME] mecloglog ........................ Multilevel mixed-effects complementary log-log regression
[ME] meglm ................................. Multilevel mixed-effects generalized linear model
[ME] meintreg ............................ Multilevel mixed-effects interval regression
[ME] melogit .............................. Multilevel mixed-effects logistic regression
[ME] menbreg ............................ Multilevel mixed-effects negative binomial regression
[ME] menl ................................ Nonlinear mixed-effects regression
[ME] meologit ............................ Multilevel mixed-effects ordered logistic regression
[ME] meoprobit ............................ Multilevel mixed-effects ordered probit regression
[ME] mepoisson ........................ Multilevel mixed-effects Poisson regression
[ME] meprobit ............................ Multilevel mixed-effects probit regression
[ME] mestreg ............................. Multilevel mixed-effects parametric survival models
[ME] metobit ............................. Multilevel mixed-effects tobit regression
[ME] mixed ............................. Multilevel mixed-effects linear regression
Multiple imputation

Section 27.31 ......................................................... Multiple imputation
Intro ............................................................. Introduction to mi
Intro substantive ............................................. Introduction to multiple-imputation analysis
Estimation ....................................................... Estimation commands for use with mi estimate
mi estimate ...................................................... Estimation using multiple imputations
mi estimate using ............................................. Estimation using previously saved estimation results
mi estimate postestimation ................................. Postestimation tools for mi estimate
mi impute ........................................................ Impute missing values
mi impute chained .......................................... Impute missing values using chained equations
mi impute intreg .............................................. Impute using interval regression
mi impute logit ............................................... Impute using logistic regression
mi impute mlogit ............................................ Impute using multinomial logistic regression
mi impute monotone ....................................... Impute missing values in monotone data
mi impute mvn ................................................ Impute using multivariate normal regression
mi impute nbreg ............................................. Impute using negative binomial regression
mi impute ologit ............................................. Impute using ordered logistic regression
mi impute poisson .......................................... Impute using Poisson regression
mi impute regress ......................................... Impute using linear regression
mi impute truncreg ......................................... Impute using truncated regression
mi impute usermethod ..................................... User-defined imputation methods
mi predict ........................................................ Obtain multiple-imputation predictions
mi test .............................................................. Test hypotheses after mi estimate

Multivariate analysis of variance and related techniques

Section 27.22 .......................................................... Multivariate analysis
canon ................................................................. Canonical correlations
hotelling ............................................................. Hotelling’s T-squared generalized means test
manova ............................................................. Multivariate analysis of variance and covariance
mvreg ................................................................. Multivariate regression
mvtest covariances ........................................ Multivariate tests of covariances
mvtest means .................................................... Multivariate tests of means

Nonlinear regression

boxcox ............................................................... Box–Cox regression models
menl ................................................................. Nonlinear mixed-effects regression
nl ................................................................. Nonlinear least-squares estimation
nlsur ............................................................... Estimation of nonlinear systems of equations

Nonparametric statistics

bitest ............................................................... Binomial probability test
bootstrap ........................................................ Bootstrap sampling and estimation
bsample .......................................................... Sampling with replacement
bstat ............................................................... Report bootstrap results
centile .............................................................. Report centile and confidence interval
cusum ............................................................. Cusum plots and tests for binary variables
kdensity ............................................................ Univariate kernel density estimation
ksmirmov ........................................................ Kolmogorov–Smirnov equality-of-distributions test
kwallis ............................................................ Kruskal–Wallis equality-of-populations rank test
Ordinal outcomes

- Chapter 20: Estimation and postestimation commands
- Bayesian estimation
- Rank-ordered logit choice model
- Rank-ordered probit choice model
- Extended ordered probit regression
- Fitting finite mixture models
- Ordered probit model with sample selection
- Heteroskedastic ordered probit regression
- Graded response model
- Partial credit model
- Rating scale model
- Multilevel mixed-effects ordered logistic regression
- Multilevel mixed-effects ordered probit regression
- Ordered logistic regression
- Ordered probit regression
- Extended random-effects ordered probit regression
- Random-effects ordered logistic models
- Random-effects ordered probit models
- Zero-inflated ordered probit regression

Other statistics

- Compute interitem correlations (covariances) and Cronbach’s alpha
- Arithmetic, geometric, and harmonic means
- Brier score decomposition
- Report centile and confidence interval
- Interrater agreement
- Multivariate tests of correlations
- Partial and semipartial correlation coefficients
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
- power cmh Power and sample size for the Cochran–Mantel–Haenszel test
- power cox Power analysis for the Cox proportional hazards model
- power exponential Power analysis for a two-sample exponential test
- power logrank Power analysis for the log-rank test
- power logrank, cluster Power analysis for the log-rank test, CRD
- power mcc Power analysis for matched case–control studies
- power onecorrelation Power analysis for a one-sample correlation test
- power onemean Power analysis for a one-sample mean test
- power onemean, cluster Power analysis for a one-sample mean test, CRD
- power oneproportion Power analysis for a one-sample proportion test
- power oneproportion, cluster Power analysis for a one-sample proportion test, CRD
- power oneslope Power analysis for a slope test in a simple linear regression
- power onevariance Power analysis for a one-sample variance test
- power oneway Power analysis for an one-way analysis of variance
- power pairedmeans Power analysis for a two-sample paired-means test
- power pairedproportions Power analysis for a two-sample paired-proportions test
- power pcorr Power analysis for a partial-correlation test in a multiple linear regression
- power repeated Power analysis for repeated-measures analysis of variance
- power rsquared Power analysis for an R² test in a multiple linear regression
- power trend Power analysis for the Cochran–Armitage trend test
- power twocorrelations Power analysis for a two-sample correlations test
- power twomeans Power analysis for a two-sample means test
[PSS-2] power twomeans, cluster  Power analysis for a two-sample means test, CRD
[PSS-2] power twoproportions  Power analysis for a two-sample proportions test
[PSS-2] power twoproportions, cluster  Power analysis for a two-sample proportions test, CRD
[PSS-2] power twovariances  Power analysis for a two-sample variances test
[PSS-2] power twoway  Power analysis for two-way analysis of variance
[PSS-2] power usermethod  Add your own methods to the power command
[PSS-2] power, graph  Graph results from the power command
[PSS-2] power, table  Produce table of results from the power command
[PSS-4] Unbalanced designs  Specifications for unbalanced designs

Quality control

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

ROC analysis

[U] Section 27.4.3  ROC analysis
[R] roc  Receiver operating characteristic (ROC) analysis
[R] roccomp  Tests of equality of ROC areas
[R] rocfit  Parametric ROC models
[R] rocfit postestimation  Postestimation tools for rocfit
[R] rocreg  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] eoprobit  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] heckprobit  Probit model with sample selection
[XT] xteintreg  Extended random-effects interval regression
[XT] xteoprobit  Extended random-effects ordered probit regression
[XT] xteprobit  Extended random-effects probit regression
[XT] xteregress  Extended random-effects linear regression
[XT] xtheckman  Random-effects regression with sample selection
Simulation/resampling

[R] 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
[SP] spmatrix ............................................ Categorical guide to the spmatrix command
[SP] spmatrix copy ..................................... Copy spatial weighting matrix stored in memory
[SP] spmatrix create ................................... Create standard weighting matrices
[SP] spmatrix drop ..................................... List and delete weighting matrices stored in memory
[SP] spmatrix export .................................. Export weighting matrix to text file
[SP] spmatrix fromdata ................................ Create custom weighting matrix from data
[SP] spmatrix import .................................. Import weighting matrix from text file
[SP] spmatrix matafromsp ............................. Copy weighting matrix to Mata
[SP] spmatrix normalize ............................... Normalize weighting matrix
[SP] spmatrix note ...................................... Put note on weighting matrix, or display it
[SP] spmatrix save ..................................... Save spatial weighting matrix to file
[SP] spmatrix spfrommata ................................ Copy Mata matrix to Sp
[SP] spmatrix summarize ............................. Summarize weighting matrix stored in memory
[SP] spmatrix use ...................................... Load spatial weighting matrix from file
[SP] spmatrix userdefined ............................. Create custom weighting matrix
[SP] spregress ........................................... Spatial autoregressive models
[SP] spset ............................................... Declare data to be Sp spatial data
[SP] spshape2dta ...................................... Translate shapefile to Stata format
[SP] spxtregress ........................................ Spatial autoregressive models for panel data

Standard postestimation tests, tables, and other analyses

[U] Section 13.5 ........................................ Accessing coefficients and standard errors
[U] Chapter 20 .......................................... Estimation and postestimation commands
[R] contrast ............................................. Contrasts and linear hypothesis tests after estimation
[R] correlate ............................................. Correlations of variables
[R] estat .................................................. Postestimation statistics
<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
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<td>estat ic</td>
<td>Display information criteria</td>
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<td>estat summarize</td>
<td>Summarize estimation sample</td>
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<td>estat vce</td>
<td>Display covariance matrix estimates</td>
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<tr>
<td>estimates</td>
<td>Save and manipulate estimation results</td>
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<tr>
<td>estimates describe</td>
<td>Describe estimation results</td>
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<tr>
<td>estimates for</td>
<td>Repeat postestimation command across models</td>
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<tr>
<td>estimates notes</td>
<td>Add notes to estimation results</td>
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<tr>
<td>estimates replay</td>
<td>Redisplay estimation results</td>
</tr>
<tr>
<td>estimates save</td>
<td>Save and use estimation results</td>
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<tr>
<td>estimates selected</td>
<td>Show selected coefficients</td>
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<td>estimates stats</td>
<td>Model-selection statistics</td>
</tr>
<tr>
<td>estimates store</td>
<td>Store and restore estimation results</td>
</tr>
<tr>
<td>estimates table</td>
<td>Compare estimation results</td>
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<td>estimates title</td>
<td>Set title for estimation results</td>
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<td>forecast</td>
<td>Econometric model forecasting</td>
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<tr>
<td>forecast adjust</td>
<td>Adjust a variable by add factoring, replacing, etc.</td>
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<tr>
<td>forecast clear</td>
<td>Clear current model from memory</td>
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<tr>
<td>forecast coefvector</td>
<td>Specify an equation via a coefficient vector</td>
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<tr>
<td>forecast create</td>
<td>Create a new forecast model</td>
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<td>forecast describe</td>
<td>Describe features of the forecast model</td>
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<tr>
<td>forecast drop</td>
<td>Drop forecast variables</td>
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<tr>
<td>forecast estimates</td>
<td>Add estimation results to a forecast model</td>
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<tr>
<td>forecast exogenous</td>
<td>Declare exogenous variables</td>
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<tr>
<td>forecast identity</td>
<td>Add an identity to a forecast model</td>
</tr>
<tr>
<td>forecast list</td>
<td>List forecast commands composing current model</td>
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<td>forecast query</td>
<td>Check whether a forecast model has been started</td>
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<td>forecast solve</td>
<td>Obtain static and dynamic forecasts</td>
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<tr>
<td>hausman</td>
<td>Hausman specification test</td>
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**Structural equation modeling**

- Section 27.24: Structural equation modeling (SEM)
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- Builder, generalized: SEM Builder for generalized models
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Power, precision, and sample size

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<tr>
<td>vec</td>
<td>Vector error-correction models</td>
</tr>
<tr>
<td>vecclmar</td>
<td>LM test for residual autocorrelation after vec</td>
</tr>
<tr>
<td>vecnorm</td>
<td>Test for normally distributed disturbances after vec</td>
</tr>
<tr>
<td>vecrank</td>
<td>Estimate the cointegrating rank of a VECM</td>
</tr>
<tr>
<td>vecstable</td>
<td>Check the stability condition of VECM estimates</td>
</tr>
<tr>
<td>xcorr</td>
<td>Cross-correlogram for bivariate time series</td>
</tr>
</tbody>
</table>

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Combined subject table of contents

Treatment effects

- [TE] eteffects ........................................ Extended 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

Transforms and normality tests

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

Section 27.20 ........................................... Treatment-effects models

Rolling-window and recursive estimation

State-space models

Threshold regression

Add observations to a time-series dataset

Filter a time series for cyclical components

Baxter–King time-series filter

Christiano–Fitzgerald time-series filter

Hodrick–Prescott time-series filter

Time-series line plots

Report time-series aspects of a dataset or estimation sample

Time-series operator programming command

Declare data to be time-series data

Double-exponential smoothing

Single-exponential smoothing

Holt–Winters nonseasonal smoothing

Moving-average filter

Nonlinear filter

Holt–Winters seasonal smoothing

Unobserved-components model

Bartlett’s periodogram-based test for white noise

Portmanteau (Q) test for white noise

Cross-correlogram for bivariate time series

Postestimation tools for regress with time series

Rolling-window and recursive estimation

State-space models

Add observations to a time-series dataset

Filter a time series for cyclical components

Baxter–King time-series filter

Christiano–Fitzgerald time-series filter

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Unobserved-components model

Bartlett’s periodogram-based test for white noise

Portmanteau (Q) test for white noise

Cross-correlogram for bivariate time series

Box–Cox regression models

Fractional polynomial regression

Ladder of powers

Find zero-skewness log or Box–Cox transform

Multivariable fractional polynomial models

Multivariate normality tests

Skewness and kurtosis tests for normality

Shapiro–Wilk and Shapiro–Francia tests for normality

Introduction to treatment-effects commands

Extended interval regression

Extended ordered probit regression

Extended probit regression

Extended linear regression

Endogenous treatment-effects estimation

Poisson regression with endogenous treatment effects

Linear regression with endogenous treatment effects

Treatment-effects estimation for observational survival-time data

Introduction to treatment effects for observational survival-time data
| TE | stteffects ra | Survival-time regression adjustment |
| TE | stteffects wra | Survival-time weighted regression adjustment |
| TE | tebalance | Check balance after tteffects 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 | tteffects | Treatment-effects estimation for observational data |
| TE | tteffects aipw | Augmented inverse-probability weighting |
| TE | tteffects intro | Introduction to treatment effects for observational data |
| TE | tteffects intro advanced | Advanced introduction to treatment effects for observational data |
| TE | tteffects ipw | Inverse-probability weighting |
| TE | tteffects ipwra | Inverse-probability-weighted regression adjustment |
| TE | tteffects multivalued | Multivalued treatment effects |
| TE | tteffects nmmatch | Nearest-neighbor matching |
| TE | tteffects overlap | Overlap plots |
| TE | tteffects psmatch | Propensity-score matching |
| TE | tteffects ra | Regression adjustment |
| XT | xteintreg | Extended random-effects interval regression |
| XT | xteoprobit | Extended random-effects ordered probit regression |
| XT | xteprobit | Extended random-effects probit regression |
| XT | xtregarcess | Extended random-effects linear regression |

## 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 | Eigenvalues of nonsymmetric matrices |
[P] matrix get | Access system matrices |
[P] matrix mkmat | Convert variables to matrix and vice versa |
[P] matrix svd | Singular value decomposition |
[P] matrix symeigen | Eigenvalues and eigenvectors of symmetric matrices |
Mata

[D] putmata ................................. Put Stata variables into Mata and vice versa


Programming

Basics

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

Program control

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

Parsing and program arguments

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

Console output

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

Commonly used programming commands

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

Debugging

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

Advanced programming commands

Section 12.4.2.5 ................................. Sorting strings containing Unicode characters
 Appendix for putdocx ............................ Appendix for putdocx entries
 Appendix for putpdf ................................ Appendix for putpdf entries
Automation ............................................. Automation
break ...................................................... Suppress Break key
class ...................................................... Object-oriented programming (classes)
class ...................................................... Class programming
class exit .............................................. Exit class-member program and return result
classutil ................................................ Class programming utility
_docx*() ............................................... Generate Office Open XML (.docx) file
doc2pdf ................................................... Convert a Word (.docx) document to a PDF file
dynamic documents intro ...................... Introduction to dynamic documents
dynamic tags ........................................ Dynamic tags for text files
dynloc .................................................. Convert dynamic Markdown document to HTML or Word (.docx) document
dynatext ............................................... Process Stata dynamic tags in text file
estat programming ............................ Controlling estat after community-contributed commands
_estimates ............................................ Manage estimation results
estimation command ............................ How to program an estimation command
file ...................................................... Read and write text and binary files
findfile ................................................ Find file in path
frame post ........................................... Post results to dataset in another frame
html2docx ............................................ Convert an HTML file to a Word (.docx) document
include ................................................ Include commands from file
Java intro .............................................. Introduction to Java plugins
Java utilities ........................................... Java utilities
javacall ................................................ Call a Java plugin
LinearProgram( ) .................................. Linear programming
macro .................................................. Macro definition and manipulation
macro lists ......................................... Manipulate lists
markdown ............................................ Convert Markdown document to HTML file or Word (.docx) document
ml ...................................................... Maximum likelihood estimation
moptimize( ) ........................................ Model optimization
<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>optimize( )</td>
<td>Function optimization</td>
</tr>
<tr>
<td>Pdf*( )</td>
<td>Create a PDF file</td>
</tr>
<tr>
<td>plugin</td>
<td>Load a plugin</td>
</tr>
<tr>
<td>_predict</td>
<td>Obtain predictions, residuals, etc., after estimation programming command</td>
</tr>
<tr>
<td>program properties</td>
<td>Properties of user-defined programs</td>
</tr>
<tr>
<td>putdocx begin</td>
<td>Create an Office Open XML (.docx) file</td>
</tr>
<tr>
<td>putdocx intro</td>
<td>Introduction to generating Office Open XML (.docx) files</td>
</tr>
<tr>
<td>putdocx pagebreak</td>
<td>Add breaks to an Office Open XML (.docx) file</td>
</tr>
<tr>
<td>putdocx paragraph</td>
<td>Add text or images to an Office Open XML (.docx) file</td>
</tr>
<tr>
<td>putdocx table</td>
<td>Add tables to an Office Open XML (.docx) file</td>
</tr>
<tr>
<td>putexcel</td>
<td>Export results to an Excel file</td>
</tr>
<tr>
<td>putexcel advanced</td>
<td>Export results to an Excel file using advanced syntax</td>
</tr>
<tr>
<td>putmata</td>
<td>Put Stata variables into Mata and vice versa</td>
</tr>
<tr>
<td>putpdf begin</td>
<td>Create a PDF file</td>
</tr>
<tr>
<td>putpdf intro</td>
<td>Introduction to generating PDF files</td>
</tr>
<tr>
<td>putpdf pagebreak</td>
<td>Add breaks to a PDF file</td>
</tr>
<tr>
<td>putpdf paragraph</td>
<td>Add text or images to a PDF file</td>
</tr>
<tr>
<td>putpdf table</td>
<td>Add tables to a PDF file</td>
</tr>
<tr>
<td>python</td>
<td>Call Python from Stata</td>
</tr>
<tr>
<td>Quadrature( )</td>
<td>Numerical integration</td>
</tr>
<tr>
<td>_return</td>
<td>Preserve stored results</td>
</tr>
<tr>
<td>_rmcoll</td>
<td>Remove collinear variables</td>
</tr>
<tr>
<td>_robust</td>
<td>Robust variance estimates</td>
</tr>
<tr>
<td>serset</td>
<td>Create and manipulate sersets</td>
</tr>
<tr>
<td>snapshot</td>
<td>Save and restore data snapshots</td>
</tr>
<tr>
<td>unab</td>
<td>Unabbreviate variable list</td>
</tr>
<tr>
<td>unabcmd</td>
<td>Unabbreviate command name</td>
</tr>
<tr>
<td>unicode collator</td>
<td>Language-specific Unicode collators</td>
</tr>
<tr>
<td>unicode convertfile</td>
<td>Low-level file conversion between encodings</td>
</tr>
<tr>
<td>varabbrev</td>
<td>Control variable abbreviation</td>
</tr>
<tr>
<td>viewsource</td>
<td>View source code</td>
</tr>
<tr>
<td>xl( )</td>
<td>Excel file I/O class</td>
</tr>
</tbody>
</table>

**Special-interest programming commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bstat</td>
<td>Report bootstrap results</td>
</tr>
<tr>
<td>cluster programming subroutines</td>
<td>Add cluster-analysis routines</td>
</tr>
<tr>
<td>cluster programming utilities</td>
<td>Cluster-analysis programming utilities</td>
</tr>
<tr>
<td>fvrevar</td>
<td>Factor-variables operator programming command</td>
</tr>
<tr>
<td>matrix dissimilarity</td>
<td>Compute similarity or dissimilarity measures</td>
</tr>
<tr>
<td>mi select</td>
<td>Programmer’s alternative to mi extract</td>
</tr>
<tr>
<td>st_is</td>
<td>Survival analysis subroutines for programmers</td>
</tr>
<tr>
<td>svymarkout</td>
<td>Mark observations for exclusion on the basis of survey characteristics</td>
</tr>
<tr>
<td>Technical</td>
<td>Details for programmers</td>
</tr>
<tr>
<td>Time-series operator programming command</td>
<td></td>
</tr>
</tbody>
</table>

**Projects**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Manager</td>
<td>Organize Stata files</td>
</tr>
</tbody>
</table>
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


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] dynmdc  Convert dynamic Markdown document to HTML or Word (.docx) document
[RPT] dynmtext  Process Stata dynamic tags in text file
[RPT] html2docx ............................... Convert an HTML file to a Word (.docx) document
[RPT] markdown . Convert Markdown document to HTML file or Word (.docx) document
[RPT] putdocx begin ............................. Create an Office Open XML (.docx) file
[RPT] putdocx intro .............................. Introduction to generating Office Open XML (.docx) files
[RPT] putdocx pagebreak ..................... Add breaks to an Office Open XML (.docx) file
[RPT] putdocx paragraph ..................... Add text or images to an Office Open XML (.docx) file
[RPT] putdocx table ............................ Add tables to an Office Open XML (.docx) file
[RPT] putexcel ................................. Export results to an Excel file
[RPT] putexcel advanced ...................... Export results to an Excel file using advanced syntax
[RPT] putpdf begin ............................. Create a PDF file
[RPT] putpdf intro .............................. Introduction to generating PDF files
[RPT] putpdf pagebreak ..................... Add breaks to a PDF file
[RPT] putpdf paragraph ..................... Add text or images to a PDF file
[RPT] putpdf table ............................ Add tables to a PDF file
[RPT] set docx ................................. Format settings for blocks of text

Interface features

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

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>2SIV</td>
<td>two-step instrumental variables</td>
</tr>
<tr>
<td>2SLS</td>
<td>two-stage least squares</td>
</tr>
<tr>
<td>3SLS</td>
<td>three-stage least squares</td>
</tr>
<tr>
<td>ADF</td>
<td>asymptotic distribution free</td>
</tr>
<tr>
<td>AFE</td>
<td>attributable fraction among the exposed</td>
</tr>
<tr>
<td>AFP</td>
<td>attributable fraction for the population</td>
</tr>
<tr>
<td>AFT</td>
<td>accelerated failure time</td>
</tr>
<tr>
<td>AIC</td>
<td>Akaike information criterion</td>
</tr>
<tr>
<td>AIDS</td>
<td>almost-ideal demand system</td>
</tr>
<tr>
<td>AIPW</td>
<td>augmented inverse-probability weights</td>
</tr>
<tr>
<td>ANCOVA</td>
<td>analysis of covariance</td>
</tr>
<tr>
<td>ANOVA</td>
<td>analysis of variance</td>
</tr>
<tr>
<td>APE</td>
<td>average partial effects</td>
</tr>
<tr>
<td>AR</td>
<td>autoregressive</td>
</tr>
<tr>
<td>AR(1)</td>
<td>first-order autoregressive</td>
</tr>
<tr>
<td>ARCH</td>
<td>autoregressive conditional heteroskedasticity</td>
</tr>
<tr>
<td>ARFIMA</td>
<td>autoregressive fractionally integrated moving average</td>
</tr>
<tr>
<td>ARIMA</td>
<td>autoregressive integrated moving average</td>
</tr>
<tr>
<td>ARMA</td>
<td>autoregressive moving average</td>
</tr>
<tr>
<td>ARMAX</td>
<td>autoregressive moving-average exogenous</td>
</tr>
<tr>
<td>ASCII</td>
<td>American Standard Code for Information Interchange</td>
</tr>
<tr>
<td>ASE</td>
<td>asymptotic standard error</td>
</tr>
<tr>
<td>ASF</td>
<td>average structural function</td>
</tr>
<tr>
<td>ASL</td>
<td>achieved significance level</td>
</tr>
<tr>
<td>ASM</td>
<td>average structural mean</td>
</tr>
<tr>
<td>ASP</td>
<td>average structural probability</td>
</tr>
<tr>
<td>ATE</td>
<td>average treatment effect</td>
</tr>
<tr>
<td>ATET</td>
<td>average treatment effect on the treated</td>
</tr>
<tr>
<td>AUC</td>
<td>area under the time–concentration curve</td>
</tr>
<tr>
<td>BC</td>
<td>bias corrected</td>
</tr>
<tr>
<td>BCa</td>
<td>bias-corrected and accelerated</td>
</tr>
<tr>
<td>BCC</td>
<td>boundary characteristic curve</td>
</tr>
<tr>
<td>BE</td>
<td>between effects</td>
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<tr>
<td>BFGS</td>
<td>Broyden–Fletcher–Goldfarb–Shanno</td>
</tr>
<tr>
<td>BHHH</td>
<td>Berndt–Hall–Hall–Hausman</td>
</tr>
<tr>
<td>BIC</td>
<td>Bayesian information criterion</td>
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<tr>
<td>BLOB</td>
<td>binary large object</td>
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<tr>
<td>BLUP</td>
<td>best linear unbiased prediction</td>
</tr>
<tr>
<td>BRR</td>
<td>balanced repeated replication</td>
</tr>
<tr>
<td>CA</td>
<td>correspondence analysis</td>
</tr>
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<td>CCC</td>
<td>category characteristic curve</td>
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<td>CCI</td>
<td>conservative confidence interval</td>
</tr>
<tr>
<td>CCT</td>
<td>controlled clinical trial</td>
</tr>
<tr>
<td>CD</td>
<td>coefficient of determination</td>
</tr>
<tr>
<td>CDC</td>
<td>Centers for Disease Control and Prevention</td>
</tr>
<tr>
<td>CDF</td>
<td>cumulative distribution function</td>
</tr>
<tr>
<td>CES</td>
<td>constant elasticity of substitution</td>
</tr>
<tr>
<td>CFA</td>
<td>confirmatory factor analysis</td>
</tr>
<tr>
<td>CIF</td>
<td>cumulative incidence function</td>
</tr>
<tr>
<td>CI</td>
<td>conditional independence</td>
</tr>
<tr>
<td>CI</td>
<td>confidence interval</td>
</tr>
<tr>
<td>CMI</td>
<td>conditional mean independence</td>
</tr>
<tr>
<td>CMA</td>
<td>cumulative meta-analysis</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>CMLE</td>
<td>conditional maximum likelihood estimates</td>
</tr>
<tr>
<td>CMYK</td>
<td>cyan, magenta, yellow, and key</td>
</tr>
<tr>
<td>CRD</td>
<td>cluster randomized design</td>
</tr>
<tr>
<td>ct</td>
<td>count time</td>
</tr>
<tr>
<td>cusum</td>
<td>cumulative sum</td>
</tr>
<tr>
<td>CV</td>
<td>coefficient of variation</td>
</tr>
<tr>
<td>CV</td>
<td>cross-validation</td>
</tr>
<tr>
<td>DA</td>
<td>data augmentation</td>
</tr>
<tr>
<td>DDF</td>
<td>denominator degrees of freedom</td>
</tr>
<tr>
<td>DDFs</td>
<td>multiple denominator degrees of freedom</td>
</tr>
<tr>
<td>DEFF</td>
<td>design effect</td>
</tr>
<tr>
<td>DEFT</td>
<td>design effect (standard deviation metric)</td>
</tr>
<tr>
<td>DF</td>
<td>dynamic factor</td>
</tr>
<tr>
<td>df / d.f.</td>
<td>degree(s) of freedom</td>
</tr>
<tr>
<td>d.f.</td>
<td>distribution function</td>
</tr>
<tr>
<td>DFAR</td>
<td>dynamic factors with vector autoregressive errors</td>
</tr>
<tr>
<td>DFP</td>
<td>Davidon–Fletcher–Powell</td>
</tr>
<tr>
<td>DIC</td>
<td>deviance information criterion</td>
</tr>
<tr>
<td>DLL</td>
<td>dynamic-link library</td>
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<tr>
<td>DML</td>
<td>double machine learning</td>
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<tr>
<td>DPD</td>
<td>dynamic panel data</td>
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<tr>
<td>DSGE</td>
<td>dynamic stochastic general equilibrium</td>
</tr>
<tr>
<td>EBCDIC</td>
<td>extended binary coded decimal interchange code</td>
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<td>EGARCH</td>
<td>exponential GARCH</td>
</tr>
<tr>
<td>EGLS</td>
<td>estimated generalized least squares</td>
</tr>
<tr>
<td>EIM</td>
<td>expected information matrix</td>
</tr>
<tr>
<td>EM</td>
<td>expectation maximization</td>
</tr>
<tr>
<td>EPS</td>
<td>Encapsulated PostScript</td>
</tr>
<tr>
<td>ERM</td>
<td>extended regression model</td>
</tr>
<tr>
<td>ESS</td>
<td>effective sample size</td>
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<td>ESS</td>
<td>error sum of squares</td>
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<tr>
<td>FCS</td>
<td>fully conditional specification</td>
</tr>
<tr>
<td>FD</td>
<td>first-differenced estimator</td>
</tr>
<tr>
<td>FDA</td>
<td>Food and Drug Administration</td>
</tr>
<tr>
<td>FE</td>
<td>fixed effects</td>
</tr>
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<td>FEVD</td>
<td>forecast-error variance decomposition</td>
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<tr>
<td>FGLS</td>
<td>feasible generalized least squares</td>
</tr>
<tr>
<td>FGNLs</td>
<td>feasible generalized nonlinear least squares</td>
</tr>
<tr>
<td>FIML</td>
<td>full information maximum likelihood</td>
</tr>
<tr>
<td>FIVE estimator</td>
<td>full-information instrumental-variables efficient estimator</td>
</tr>
<tr>
<td>flong</td>
<td>full long</td>
</tr>
<tr>
<td>flongsep</td>
<td>full long and separate</td>
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<tr>
<td>FMI</td>
<td>fraction of missing information</td>
</tr>
<tr>
<td>FMM</td>
<td>finite mixture model</td>
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<tr>
<td>FP</td>
<td>fractional polynomial</td>
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<td>FPC</td>
<td>finite population correction</td>
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<td>GARCH</td>
<td>generalized autoregressive conditional heteroskedasticity</td>
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<td>GEE</td>
<td>generalized estimating equations</td>
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<tr>
<td>GEV</td>
<td>generalized extreme value</td>
</tr>
<tr>
<td>GHK</td>
<td>Geweke–Hajivassiliou–Keane</td>
</tr>
<tr>
<td>GHQ</td>
<td>Gauss–Hermite quadrature</td>
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<tr>
<td>GIF</td>
<td>Graphics Interchange Format</td>
</tr>
<tr>
<td>GLIM</td>
<td>generalized linear interactive modeling</td>
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<tr>
<td>GLLAMM</td>
<td>generalized linear latent and mixed models</td>
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<tr>
<td>GLM</td>
<td>generalized linear models</td>
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<td>GLS</td>
<td>generalized least squares</td>
</tr>
<tr>
<td>GMM</td>
<td>generalized method of moments</td>
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</table>
Acronym glossary

GPCM  generalized partial credit model
GRM  graded response model
GS2SLS  generalized spatial two-stage least squares
GSEM  generalized structural equation modeling/model
GUI  graphical user interface

HAC  heteroskedasticity- and autocorrelation-consistent
HPD  highest posterior density
HR  hazard ratio
HSB  hue, saturation, and brightness
HSL  hue, saturation, and luminance
HSV  hue, saturation, and value
HTML  hypertext markup language

IC  information criteria
ICC  item characteristic curve
ICD-9  International Classification of Diseases, Ninth Revision
ICD-10  International Classification of Diseases, Tenth Revision
ICD-10-CM  International Classification of Diseases, Tenth Revision, Clinical Modification
ICD-10-PCS  International Classification of Diseases, Tenth Revision, Procedure Coding System
ICU  International Components for Unicode
IIA  independence of irrelevant alternatives
i.i.d.  independent and identically distributed
IIF  item information function
IPW  inverse-probability weighting
IPWRA  inverse-probability-weighted regression adjustment
IQR  interquartile range
IR  incidence rate
IRF  impulse–response function
IRLS  iterated, reweighted least squares
IRR  incidence-rate ratio
IRT  item response theory
IV  instrumental variables

JAR  Java Archive file
JCA  joint correspondence analysis
JPEG  Joint Photographic Experts Group
JRE  Java Runtime Environment
JVM  Java Virtual Machine

LAPACK  linear algebra package
LASSO  least absolute shrinkage and selection operator
LAV  least absolute value
LCA  latent class analysis
LDA  linear discriminant analysis
LIML  limited-information maximum likelihood
LM  Lagrange multiplier
LOO  leave one out
LOWESS  locally weighted scatterplot smoothing
LR  likelihood ratio
LSB  least-significant byte

MA  moving average
MAD  median absolute deviation
MANCOVA  multivariate analysis of covariance
MANOVA  multivariate analysis of variance
MAR  missing at random
MCA  multiple correspondence analysis
MCAGHQ  mode-curvature adaptive Gauss–Hermite quadrature
MCAR  missing completely at random
MCE  Monte Carlo error
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<td>MCMC</td>
<td>Markov chain Monte Carlo</td>
</tr>
<tr>
<td>MCSE</td>
<td>MCMC standard errors</td>
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<td>MDES</td>
<td>minimum detectable effect size</td>
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<tr>
<td>MDS</td>
<td>multidimensional scaling</td>
</tr>
<tr>
<td>ME</td>
<td>multiple equation</td>
</tr>
<tr>
<td>MEFF</td>
<td>misspecification effect</td>
</tr>
<tr>
<td>MEFT</td>
<td>misspecification effect (standard deviation metric)</td>
</tr>
<tr>
<td>MFP</td>
<td>multivariable fractional polynomial</td>
</tr>
<tr>
<td>MI / mi</td>
<td>multiple imputation</td>
</tr>
<tr>
<td>midp</td>
<td>mid-(p)-value</td>
</tr>
<tr>
<td>MIMIC</td>
<td>multiple indicators and multiple causes</td>
</tr>
<tr>
<td>MINDUE</td>
<td>minimum norm quadratic unbiased estimation</td>
</tr>
<tr>
<td>MIVQUE</td>
<td>minimum variance quadratic unbiased estimation</td>
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<tr>
<td>ML</td>
<td>maximum likelihood</td>
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<tr>
<td>MLMV</td>
<td>maximum likelihood with missing values</td>
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<td>mlong</td>
<td>marginal long</td>
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<td>MM</td>
<td>method of moments</td>
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<td>MNAR</td>
<td>missing not at random</td>
</tr>
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<td>MNP</td>
<td>multinomial probit</td>
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<tr>
<td>MPL</td>
<td>modified profile likelihood</td>
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<tr>
<td>MS</td>
<td>mean square</td>
</tr>
<tr>
<td>MSAR</td>
<td>Markov-switching autoregression</td>
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<tr>
<td>MSB</td>
<td>most-significant byte</td>
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<tr>
<td>MSDR</td>
<td>Markov-switching dynamic regression</td>
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<tr>
<td>MSE</td>
<td>mean squared error</td>
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<tr>
<td>MSL</td>
<td>maximum simulated likelihood</td>
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<td>MSS</td>
<td>model sum of squares</td>
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<td>MUE</td>
<td>median unbiased estimates</td>
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<td>MVAGH</td>
<td>mean–variance adaptive Gauss–Hermite quadrature</td>
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<tr>
<td>MVN</td>
<td>multivariate normal</td>
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<td>MVREG</td>
<td>multivariate regression</td>
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<td>NARCH</td>
<td>nonlinear ARCH</td>
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<td>NHANES</td>
<td>National Health and Nutrition Examination Survey</td>
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<td>NLS</td>
<td>nonlinear least squares</td>
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<td>NPARCH</td>
<td>nonlinear power ARCH</td>
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<tr>
<td>NR</td>
<td>Newton–Raphson</td>
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<tr>
<td>NRM</td>
<td>nominal response model</td>
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<tr>
<td>ODBC</td>
<td>Open DataBase Connectivity</td>
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<tr>
<td>OIM</td>
<td>observed information matrix</td>
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<tr>
<td>OIRF</td>
<td>orthogonalized impulse–response function</td>
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<tr>
<td>OLE</td>
<td>Object Linking and Embedding (Microsoft product)</td>
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<tr>
<td>OLS</td>
<td>ordinary least squares</td>
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<tr>
<td>OPG</td>
<td>outer product of the gradient</td>
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<tr>
<td>OR</td>
<td>odds ratio</td>
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<tr>
<td>PA</td>
<td>population averaged</td>
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<td>PARCH</td>
<td>power ARCH</td>
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<td>PCA</td>
<td>principal component analysis</td>
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<td>PCM</td>
<td>partial credit model</td>
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<td>PCSE</td>
<td>panel-corrected standard error</td>
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<tr>
<td>PDF</td>
<td>Portable Document Format</td>
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<tr>
<td>p.d.f.</td>
<td>probability density function</td>
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<tr>
<td>PFE</td>
<td>prevented fraction among the exposed</td>
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<tr>
<td>PFP</td>
<td>prevented fraction for the population</td>
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<tr>
<td>PH</td>
<td>proportional hazards</td>
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<td>pk</td>
<td>pharmacokinetic data</td>
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<tr>
<td>p.m.f.</td>
<td>probability mass function</td>
</tr>
<tr>
<td>PMM</td>
<td>predictive mean matching</td>
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<td>PNG</td>
<td>Portable Network Graphics</td>
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<tr>
<td>Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
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<tr>
<td>POM</td>
<td>potential-outcome means</td>
</tr>
<tr>
<td>PPP</td>
<td>posterior predictive $p$-value</td>
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<tr>
<td>PSS</td>
<td>power (precision) and sample size</td>
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<tr>
<td>PSU</td>
<td>primary sampling unit</td>
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<tr>
<td>QDA</td>
<td>quadratic discriminant analysis</td>
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<td>QML</td>
<td>quasimaximum likelihood</td>
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<td>RA</td>
<td>regression adjustment</td>
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<td>rc</td>
<td>return code</td>
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<td>RCT</td>
<td>randomized controlled trial</td>
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<tr>
<td>RE</td>
<td>random effects</td>
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<tr>
<td>REML</td>
<td>restricted (or residual) maximum likelihood</td>
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<td>RESET</td>
<td>regression specification-error test</td>
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<tr>
<td>RGB</td>
<td>red, green, and blue</td>
</tr>
<tr>
<td>RMSE</td>
<td>root mean squared error</td>
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<tr>
<td>RMSEA</td>
<td>root mean squared error of approximation</td>
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<td>RNG</td>
<td>random-number generator</td>
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<tr>
<td>ROC</td>
<td>receiver operating characteristic</td>
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<td>ROP</td>
<td>rank-ordered probit</td>
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<td>ROT</td>
<td>rule of thumb</td>
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<tr>
<td>RR</td>
<td>relative risk</td>
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<td>RRR</td>
<td>relative-risk ratio</td>
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<td>RSM</td>
<td>rating scale model</td>
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<td>RSS</td>
<td>residual sum of squares</td>
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<td>RUM</td>
<td>random utility model</td>
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<td>RVI</td>
<td>relative variance increase</td>
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<td>SAARCH</td>
<td>simple asymmetric ARCH</td>
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<tr>
<td>SAR</td>
<td>spatial autoregressive, simultaneous autoregressive, or spatial or simultaneous autoregression, depending on context</td>
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<tr>
<td>SARAR</td>
<td>spatial autoregressive model with spatial autoregressive disturbances</td>
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<td>SARIMA</td>
<td>seasonal ARIMA</td>
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<tr>
<td>s.d.</td>
<td>standard deviation</td>
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<td>SE / s.e.</td>
<td>standard error</td>
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<td>SEM</td>
<td>structural equation modeling/model</td>
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<td>SF</td>
<td>static factor</td>
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<td>SFAR</td>
<td>static factors with vector autoregressive errors</td>
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<td>SIR</td>
<td>standardized incidence ratio</td>
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<td>SJ</td>
<td>Stata Journal</td>
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<td>SMCL</td>
<td>Stata Markup and Control Language</td>
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<td>SMR</td>
<td>standardized mortality/morbidity ratio</td>
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<td>SMSA</td>
<td>standard metropolitan statistical area</td>
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<td>SOR</td>
<td>standardized odds ratio</td>
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<tr>
<td>SQL</td>
<td>Structured Query Language</td>
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<td>SRD</td>
<td>standardized rate difference</td>
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<tr>
<td>SRMR</td>
<td>standardized root mean squared residual</td>
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<td>SRR</td>
<td>standardized risk ratio</td>
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<td>SRS</td>
<td>simple random sample/sampling</td>
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<td>SRSWR</td>
<td>SRS with replacement</td>
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<td>SSC</td>
<td>Statistical Software Components</td>
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<td>SSCP</td>
<td>sum of squares and cross products</td>
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<td>SSD</td>
<td>summary statistics data</td>
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<td>SSU</td>
<td>secondary sampling unit</td>
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<td>st</td>
<td>survival time</td>
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<td>STB</td>
<td>Stata Technical Bulletin</td>
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<td>STS</td>
<td>structural time series</td>
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<td>SUR</td>
<td>seemingly unrelated regression</td>
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<tr>
<td>SURE</td>
<td>seemingly unrelated regression estimation</td>
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<td>SUTVA</td>
<td>stable unit treatment value assumption</td>
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<td>SVAR</td>
<td>structural vector autoregressive model</td>
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<td>SVD</td>
<td>singular value decomposition</td>
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<tr>
<td>Acronym</td>
<td>Definition</td>
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<td>-------------------------------------------------</td>
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<td>SVG</td>
<td>scalable vector graphics</td>
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<td>TACC</td>
<td>treatment-arm continuity correction</td>
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<td>TAR</td>
<td>target acceptance rate</td>
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<td>TARCH</td>
<td>threshold ARCH</td>
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<td>TCC</td>
<td>test characteristic curve</td>
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<tr>
<td>TDT</td>
<td>transmission/disequilibrium test</td>
</tr>
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<td>TIF</td>
<td>test information function</td>
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<td>TIFF</td>
<td>tagged image file format</td>
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<td>TLI</td>
<td>Tucker–Lewis index</td>
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<td>TSS</td>
<td>total sum of squares</td>
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<tr>
<td>UCA</td>
<td>Unicode Collation Algorithm</td>
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<td>UCM</td>
<td>unobserved-components model</td>
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<tr>
<td>UI</td>
<td>user interface</td>
</tr>
<tr>
<td>UTF-8</td>
<td>Universal character set + Transformation Format—8-bit</td>
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<td>VAR</td>
<td>vector autoregressive model</td>
</tr>
<tr>
<td>VAR(1)</td>
<td>first-order vector autoregressive</td>
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<tr>
<td>VARMA</td>
<td>vector autoregressive moving average</td>
</tr>
<tr>
<td>VARMA(1,1)</td>
<td>first-order vector autoregressive moving average</td>
</tr>
<tr>
<td>VCE</td>
<td>variance–covariance estimate</td>
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<tr>
<td>VECM</td>
<td>vector error-correction model</td>
</tr>
<tr>
<td>VIF</td>
<td>variance inflation factor</td>
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<tr>
<td>WLC</td>
<td>worst linear combination</td>
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<td>WLIF</td>
<td>worst linear function</td>
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<tr>
<td>WLS</td>
<td>weighted least squares</td>
</tr>
<tr>
<td>WNLS</td>
<td>weighted nonlinear least squares</td>
</tr>
<tr>
<td>wrt</td>
<td>with respect to</td>
</tr>
<tr>
<td>XML</td>
<td>Extensible Markup Language</td>
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<tr>
<td>ZINB</td>
<td>zero-inflated negative binomial</td>
</tr>
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<td>ZIOP</td>
<td>zero-inflated ordered probit</td>
</tr>
<tr>
<td>ZIP</td>
<td>zero-inflated Poisson</td>
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<tr>
<td>ZTNB</td>
<td>zero-truncated negative binomial</td>
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<td>ZTP</td>
<td>zero-truncated Poisson</td>
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Agnesi, M. G. (1718–1799), [R] dydx
Aitken, A. C. (1895–1967), [R] reg3
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Berkson, J. (1899–1982), [R] logit
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Cleveland, W. S. (1943– ), [R] lowess
Cohen, J. (1923–1998), [R] kappa
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Cox, D. R. (1924– ), [ST] stcox
Cox, G. M. (1900–1978), [R] anova
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Gosset, W. S. (1876–1937), [R] ttest
Granger, C. W. J. (1934–2009), [TS] vargranger
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Alwin, D. F., [SEM] Example 9
Amblor, G., [R] mfp
Amemiya, T., [CM] nlogit, [ERM] eintreg,
[ERM] eoprobit, [ERM] eprobit,
[ERM] eregress, [R] iprobit, [R] tobit,
[TS] varsox, [XT] xtheckman, [XT] xthtaylor,
[XT] xtnreg
Amisano, G., [TS] irf create, [TS] var intro, [TS] var
var, [TS] vargranger, [TS] varwle
Angeletti, G., [M-5] LinearProgram( )
Anderson, P. K., [R] LinearProgram( )
Anderson, E. D., [M-5] LinearProgram( )
clogit
Anderson, M. L., [ST] sspace
[MV] clustermat, [MV] discrim estat,
[MV] discrim lda, [MV] discrim lda
postestimation, [MV] mvttest, [MV] mvttest
normality, [P] matrix eigenvalues
Anderson, K. M., [ST] stintreg
Anderson, M. L., [ST] sterreg
Anderson, R. E., [CM] Intro 6, [CM] cmrologit
Anderson, R. L., [R] anova
Anderson, S., [R] pkequiv
Anderson, S. J., [R] zioprob
Anderson, T. W., [MI] Intro substantive,
[MV] discrim, [MV] manova, [MV] pca,
[PSS-2] power onecorrelation, [PSS-2] power
twocorrelations, [R] ivregress postestimation,
[TS] vec, [TS] vcrancan, [XT] xtabond,
[XT] xtdpd, [XT] xtdpdsys, [XT] xtvreg
Andersson, T. M.-L., [ST] stcox
Andresen, M. E., [TE] Intro
Andrei, H.-J., [XT] xt
Andrews, D. F., [D] egen, [MV] discrim lda
postestimation, [MV] discrim qda,
[MV] discrim qda postestimation,
[MV] manova, [R] rreg, [SEM] Example 52g
Andrews, D. W. K., [R] gmm, [R] Inequality,
[R] ivregress, [TS] estat sbingle
Andrews, M. J., [ME] meglm, [ME] melogit,
[ME] meoprobit, [ME] mepoission,
[ME] mestreg, [ME] mixed, [XT] xtreg
Andrich, D., [IRT] irt rs, [SEM] Example 28g
Andrieu, C., [BAYES] Intro, [BAYES] bayesmh
Angquist, L., [G-2] graph combine, [R] bootstrap,
[R] permute
Angrist, J. D., [ERM] eintreg, [ERM] eoprobit,
[R] ivregress, [R] ivregress postestimation,
[R] qreg, [R] regress, [TE] stteffects
ipw, [TE] stteffects ipwra, [TE] stteffects
postestimation, [TE] stteffects ra, [TE] stteffects
wra, [TE] stteffects intro advanced,
[U] 20.26 References
Anscombe, F. J., [R] bbinreg postestimation, [R] glm,
[R] glm postestimation
Anselin, L., [SP] Intro, [SP] estat moran,
[SP] spregress, [SP] spxtrreg
Ansley, C. F., [TS] arima
Antes, G., [META] Intro
Antman, E. M., [META] Intro, [META] meta,
[META] meta summarize, [META] meta regress
Anzures-Cabrera, J., [META] meta forestplot,
[META] meta labbeplot
Aragon, J., [ST] stintreg
Arbuthnot, J., [R] signrank
Archer, K. J., [R] estat gof, [R] logistic, [R] reglogit,
[SVY] estat
Arellano, M., [R] areg postestimation, [R] gmm,
[XT] xtabond, [XT] xtclolog, [XT] xtdpd,
[XT] xtdpd postestimation, [XT] xtdpdsys,
[XT] xtdpdsys postestimation, [XT] xtvreg,
[XT] xtlogit, [XT] xtologit, [XT] xtoprobit,
[XT] xtpoisson, [XT] xtpoisson, [XT] xtrreg,
[XT] xtrreg
Arendt, J. N., [ERM] eoprobit
Arminger, G., [R] suest
Armitage, P., [META] meta esize, [META] meta
summarize, [PSS-2] power twomeans,
[PSS-2] power pairedmeans, [PSS-2] power
cmh, [PSS-2] power trend, [R] ameans,
[R] expoisson, [R] pkcross, [R] sdtest
Armstrong, R. D., [R] qreg
Arnold, B. C., [MI] Intro substantive, [MI] mi impute
chained
Arnold, S. F., [MV] manova
Arnqvist, G., [META] mestreg
Aronow, W. S., [ME] mestreg
Arseven, E., [MV] discrim lda
Arthur, M., [R] symmetry
Asali, M., [TS] stteffects
Assaad, H., [ME] menl
Atchadé, Y. F., [BAYES] Intro, [BAYES] bayesmh
Atella, V., [M-5] LinearProgram( ), [R] frontier,
[XT] xfrontier
Aten, B., [XT] xtunitroot
Atkinson, A. C., [FN] Random-number functions,
[R] boxcox, [R] nl
Austin, P. C., [TE] tebalance
Baker, J. L., [TS] vech
Baker, J. N., [TS] vecranks
B

Babin, B. J., [CM] Intro 6, [CM] cmrollit
Babu, A. J. G., [FN] Random-number functions
Badinger, H., [SP] Intro, [SP] spivregress, [SP] spmatrix spfrommata, [SP] spregress
Badunenko, O., [M-5] LinearProgram(), [R] frontier
Baetschmann, G., [R] ologit, [XT] xtologit
Bago D’Uva, T., [FMM] fmm intro
Bagozzi, B. E., [R] zprobit
Bailie, R. T., [TS] arfima
Baker, F. B., [IRT] irt, [IRT] irt nrm
Baker, M. J., [BAYES] Bayesian commands
Baker, R. D., [R] signrank
Baker, R. J., [R] glm
Baker, R. M., [R] ivregress postestimation
Bakker, A., [R] mean
Balaam, L. N., [R] pkcross
Balakrishnan, N., [FN] Statistical functions
Baldus, W. P., [ST] stcrreg
Balestra, P., [XT] xtivreg
Balia, S., [FMM] fmm intro
Ballantyne, A., [R] ologit, [XT] xtologit
Baller, R. D., [SP] estat moran, [SP] spregress, [SP] spxtrregress
Ballintijn, J. F., [M-5] LinearProgram() 
Bancroft, T. A., [R] stepwise
Banerjee, A., [XT] xtniteboot
Bang, H., [TE] teffects intro advanced
Barbin, É., [M-5] cholesky()
Barlow, R. E., [BAYES] Intro
Barnard, G. A., [R] spearman, [R] ttest

Barnett, A. G., [R] glm
Barnow, B. S., [TE] etregress
Baron, R. M., [SEM] Example 42g
Barrett, J. H., [PSS-2] Intro (power)
Barrick, M. R., [META] Intro
Barrion, I. G., [R] binreg
Bartlett, J. W., [MI] mi impute, [MI] mi impute chained
Barton, C. N., [PSS-2] power repeated
Basagaña, X., [LASSO] Lasso intro, [LASSO] Inference examples, [M-5] LinearProgram()
Basilevsky, A. T., [MV] factor, [MV] pca
Basmann, R. L., [R] ivregress, [R] ivregress postestimation
Bassett, G., Jr., [M-5] LinearProgram() 
Batu, A., [R] betareg, [R] glm, [TE] etffects
Bataille, E., [IRT] irt
Batistatou, E., [PSS-2] power
Battese, G. E., [XT] xfrontier
Bauldry, S., [R] ivregress, [R] ologit, [R] oprobit, [SEM] Intro 5
Bauman, A., [META] meta data
Bauwens, L., [TS] mgarch
Bayarri, M. J., [BAYES] bayesstats ppvalues
Bayart, D., [R] QC
Bayes, T., [BAYES] Intro
Beal, S. L., [ME] menl
Beale, E. M. L., [R] stepwise, [R] test
Beall, G., [MV] mvtest, [MV] mvtest covariances
Bean, J. A., [PSS-2] power cmh
Beaton, A. E., [R] rreg
Beck, N. L., [XT] xtgls, [XT] xtpcse
Becker, B. J., [META] Intro, [META] meta funnelplot
Becker, S. O., [TE] teffects intro advanced
Beckett, S., [R] regress, [R] runtest, [R] spearman,
  [TS] Time series, [TS] arch, [TS] arima,
  [TS] corrgram, [TS] dfuller, [TS] irf,
  [TS] prais, [TS] tsmooth, [TS] var intro,
  [TS] var svar, [TS] vec intro, [TS] vec
Beerstecher, E., [MV] manova
Begg, C. B., [META] Intro, [META] meta bias,
  [META] meta trimfill, [META] Glossary
Beggs, S., [CM] Intro 6, [CM] cmrologit
Belanger, A. J., [R] sktest, [R] swilk
Bellman, R. E., [MV] Glossary
Belloni, A., [LASSO] Lasso intro, [LASSO] Lasso
  inference intro, [LASSO] dslolgit,
  [LASSO] dspos, [LASSO] dsregress,
  [LASSO] lasso, [LASSO] lasso postestimation,
  [LASSO] polologit, [LASSO] popoisson,
  [LASSO] porgreese, [LASSO] srtlasso
Belotti, F., [M-5] LinearProgram(), [R] churdle,
  [R] frontier, [R] tobit, [SP] Intro,
  [XT] xtfrontier
Belsley, D. A., [R] regress postestimation,
  [R] regress postestimation diagnostic plots,
  [U] 18.14 References
Beltrami, E., [M-5] svd()
Ben-Akiva, M., [CM] cmnmxlogit, [CM] cmntmsxlogit
Bender, R. B., [R] stepwise
Bender, R., [META] Intro, [META] meta esize,
  [META] meta set, [META] meta summarize
Benedetti, K. J., [R] tetrachoric
  [G-2] graph twoway histogram, [R] cumul
Benjamin, K. J., [R] nbreg, [R] poisson
Bentham, G., [ME] menbreg, [ME] mepoisson,
  [SEM] Example 39g
Bentler, P. M., [MV] rotate, [MV] rotatemat,
  [MV] Glossary, [SEM] Intro 4, [SEM] Intro 7,
  [SEM] Intro 9, [SEM] estat eggof, [SEM] estat
  framework, [SEM] estat gof, [SEM] estat
  stable, [SEM] Example 1, [SEM] Example 3,
  [SEM] Methods and formulas for sem,
  [SEM] Glossary
Bera, A. K., [R] QC, [R] sktest, [TS] arch,
Bera, J., [TS] arfima, [TS] arfima postestimation
Bera, R. J., [R] regress postestimation time series
Berger, J. O., [BAYES] Intro, [BAYES] bayesstats
  ppvalues
Berger, M. P. F., [PSS-2] power onemean,
  cluster, [PSS-2] power twomeans, cluster,
  [PSS-2] power oneproportion, cluster,
  [PSS-2] power twoproportions, cluster
Berger, R. L., [DSGE] Intro 8, [PSS-2] Intro (power),
  [R] ci
Berglund, P. A., [SVY] Survey, [SVY] Subpopulation
  estimation
Berk, K. N., [R] stepwise
Berk, R., [LASSO] Lasso intro, [R] rreg
Berkes, I., [TS] mgarch
Berkey, C. S., [META] Intro, [META] meta,
  [META] meta data, [META] meta esize,
  [META] meta set, [META] meta forestplot,
  [META] meta summarize, [META] meta
  regress, [META] meta regress postestimation,
  [META] estat bubbleplot
Berksom, J., [R] logit, [R] probit
Berkvens, D., [ME] meintreg
Berlin, J. A., [META] Intro, [META] meta esize,
  [META] meta regress
Berliner, L. M., [BAYES] Intro
Berman, N. G., [META] meta summarize
Bern, P. H., [R] nestreg
Bernards, C. A., [MV] rotatemat
Bernard, R. M., [META] Intro
Bernardo, J. M., [BAYES] Intro
Bernasco, W., [R] tetrachoric
Berndt, E. K., [M-5] optimize(), [R] glm, [TS] arch,
  [TS] arima
Berndt, E. R., [R] truncreg
Bernstein, I. H., [MV] truncreg
Berry, D. A., [BAYES] Intro
Berry, G., [PSS-2] power twomeans, [PSS-2] power
  pairedmeans, [PSS-2] power cmh, [R] ameans,
  [R] expoisson, [R] sdtset
Berry, K. J., [R] ranksum
Bertolini, G., [R] estat gof
Bertrand, J., [ME] menl
Besag, J., [BAYES] Intro
Best, D. J., [FN] Random-number functions
Best, N. G., [BAYES] bayesstats ic
Bewley, R., [R] reg3
Beyer, W. H., [R] QC
Beyersman, J., [ST] stcrreg
Bhargava, A., [XT] xtregar
Bianchi, G., [TS] tsfilter, [TS] tsfilter bw
Bibby, J. M., [MI] mi impute mvn, [MV] discrim,
  [MV] discrim lda, [MV] factor, [MV] manova,
  [MV] matrix dissimmilarity, [MV] mds,
  [MV] mds postestimation, [MV] mdslong,
  [MV] mdsmat, [MV] mvtest, [MV] mvtest
  means, [MV] mvtest normality, [MV] pca,
  [MV]procustes, [P] matrix dissimmilarity
Bickeboeller, H., [R] symmetry
Bickel, P. J., [D] egen, [LASSO] Lasso inference intro,
  [LASSO] lasso, [R] rreg
Bickel, P. J., [M-5] mlreg, [MV] cluster,
  [MV] mlogit, [MV] mprobit, [MV] mregress,
  [MV] probit, [MV] svy, [MV] survey,
  [MV] svyreg, [MV] svytest, [MV] svychisq,
C

Cabanillas, O. B., [XT] xtgee, [XT] xtrreg
Caffo, B. S., [BAYES] bayesstats summary
Cai, T. T., [R] ci
Cailleau, F., [MV] mdsmat
Cain, G. G., [TE] etregress
Caines, P. E., [TS] sspace
Caliendo, M., [TE] teffects intro advanced
Califf, R. M., [ST] stcox postestimation
Calíński, T., [MV] cluster, [MV] cluster stop
Cameron, A. C., [CM] Intro 8, [CM] cmclogit,
[CM] cmmixlogit, [CM] cmmprobit,
[CM] cmxtnmixlogit, [ERM] Intro 9,
[ERM] eintreg, [FMM] Example 1a,
[FMM] Example 2, [ME] meglm, [ME] mixed,
[R] betareg, [R] bootstrap, [R] poisson,
[R] gmm, [R] heckman, [R] heckoprobit,
[R] heckpoisson, [R] intreg, [R] ipoison,
[R] ivregress, [R] ivregress postestimation,
[R] logit, [R] mprobit, [R] nbreg, [R] ologit,
[R] oprobit, [R] poisson, [R] probit, [R] qreg,
[R] regress, [R] regress postestimation,
[R] simulate, [R] sureg, [R] nbreg,
[SEM] Example 53g, [SEM] Example 54g,
[TE] etregress, [TE] stteffects intro,
[TE] stteffects ipw, [TE] stteffects ipwra,
[TE] stteffects postestimation, [TE] stteffects ra,
[TS] forecast estimates, [XT] xt, [XT] xtnbreg,
[XT] xtpoisson
Camilli, G., [IRT] DIF
Campbell, D. T., [SEM] Example 17
Campbell, M. J., [PSS-2] Intro (power),
[PSS-2] power, [PSS-2] power onemean,
cluster, [PSS-2] power twomeans, cluster,
[PSS-2] power oneproportion, cluster,
[PSS-2] power twoproportions, cluster,
[PSS-2] power cocx, [PSS-2] power logrank,
[R] ci, [R] kappa, [R] tabulate twoway,
[R] ztest
Canavire-Bacarreza, G., [R] gmm
Candel, M. J. M., [PSS-2] power onemean,
cluster, [PSS-2] power twomeans, cluster,
[PSS-2] power oneproportion, cluster,
[PSS-2] power twoproportions, cluster
Candes, E., [M-5] LinearProgram( )
Canette, I., [D] drawnorm, [D] merge, [ME] meglm,
logrank, cluster, [R] intreg, [R] jackknife,
[R] nl, [R] nsur, [R] oprobit, [R] suest,
[R] test, [R] tobit, [R] truncreg, [SEM] gsem
Canner, J., [D] icd10, [D] icd10cm, [D] icd10pcs
Canova, F., [DSGE] Intro 1, [DSGE] Intro 5
Cantrell, R. A., [R] ziprobit
Cappellari, L., [CM] cmmprobit, [D] corr2data,
[D] egen
Card, D., [META] Intro
Cardell, S., [CM] Intro 6, [CM] cmclogit
Carey, R. B., [D] icd10
Caria, M. P., [XT] xtgee
Carle, A. C., [ME] mixed
Carlile, T., [R] kappa
Carlín, B. P., [BAYES] Intro, [BAYES] bayesmh,
[BAYES] bayesstats ic
Carlín, J. B., [BAYES] Intro, [BAYES] bayesmh,
[BAYES] bayesstats ic, [BAYES] bayesstats
ppvalues, [BAYES] bayesstats summary,
[BAYES] bayespredict, [BAYES] Glossary,
[MI] Intro substantive, [MI] Intro, [MI] mi estimate,
[MI] mi impute, [MI] mi impute mvn,
[MI] mi impute regress, [R] aneans
Carnes, B. A., [ST] streg
Carpenter, B., [BAYES] bayesmh
Carpenter, J. R., [ME] me, [ME] meglm, [ME] meprobit,
[META] Intro, [META] meta summarize,
[META] meta funnelplot,
[META] meta bias, [MI] Intro substantive,
[MI] Intro, [MI] mi estimate, [MI] mi impute,
[MI] bootstrap, [R] bstat
Carroll, D., [META] meta
Carroll, J. B., [MV] rotatemat
Carroll, R. J., [BAYES] bayesmh, [ME] me,
[ME] meglm, [ME] menl, [ME] mixed,
[ME] mixed, [R] boxcox, [R] rreg, [R] sdtst
Carson, R. T., [R] tnreg, [R] tpoisson
Carter, R. L., [ME] menl
Carter, S. L., [CM] cmxtnmixlogit, [ME] me,
[ME] melogit, [ME] meprobit,
[ME] mepoisson, [ME] mestreg, [R] frontier,
[R] lrtest, [R] nbreg, [ST] stcox, [ST] streg,
[XT] xt
Casagrande, J. T., [PSS-2] power twoproportions
Casals, J., [TS] sspace
Casella, G., [BAYES] Intro, [BAYES] Intro,
[DSGE] Intro 8, [ME] me, [ME] meglm,
[ME] mixed, [PSS-2] Intro (power), [R] ci
Castellani, M., [R] betareg
Castellano, K. E., [R] hetoprobit
Castillo, E., [MI] Intro substantive, [MI] mi estimate
chained
Castro, L. M., [IRT] int 3pl
Cattaneo, M. D., [PSS-2] power, [R] gmm,
[R] npregress intro, [R] npregress kernel,
[R] npregress kernel postestimation,
[R] npregress series postestimation, [ST] stcox
postestimation, [TE] etteffects, [TE] stteffects
intro, [TE] stteffects ipw, [TE] stteffects ipwra,
[TE] stteffects postestimation, [TE] stteffects ra,
[TE] stteffects wra, [TE] tebalance,
[TE] tebalance box, [TE] tebalance density,
[TE] tebalance overid, [TE] tebalance
summarize, [TE] stteffects intro, [TE] stteffects
intro advanced, [TE] stteffects aipw, [TE] stteffects
ipw, [TE] stteffects ipwra, [TE] stteffects
multivalued, [TE] stteffects nnmatch,
[TE] stteffects psmatch, [TE] stteffects ra
Cowles, M. K., [BAYES] Intro
Cox, C., [SEM] Example 2
Cox, D. R., [META] meta esize, [META] meta summarize, [MV] measure_option,
[PSS-2] power cox, [R] boxcox, [R] exlogistic,
[R] expoisson, [R] Inskew0, [ST] Itable,
Cox, G. M., [P] levelsof, [R] anova
Cox, M. A. A., [MV] biplot, [MV] ca, [MV] mds,
[MV] mds postestimation, [MV] mdsmat,
[MV] protructes, [MV] Glossary
Cox, N. J., [D] by, [D] clonevar, [D] codebook,
[D] contract, [D] count, [D] Datetime,
[D] describe, [D] destring, [D] ds,
[D] duplicates, [D] egen, [D] encode,
[D] expand, [D] fillin, [D] format, [D] icd,
[D] list, [D] lookfor, [D] Missing values,
[D] rename, [D] reshape, [D] separate,
[D] split, [D] statsby, [FN] Intro, [FN] Date
and time functions, [FN] Mathematical
functions, [FN] Programming functions,
[FN] String functions, [G-1] Graph intro,
twoway dot, [G-2] graph twoway function,
twoway kdensity, [G-2] graph twoway lowess,
twoway pcarrow, [G-2] graph twoway pcespike,
twoway scatter, [G-3] added_line_options,
[G-3] added_text_options,
[G-3] aspect_option, [G-3] axis_label_options,
[G-3] axis_scale_options, [G-3] by_option,
[MV] mvtest, [MV] mvtest normality,
[P] forvalues, [P] levelsof, [P] macro,
[P] unab, [R] betareg, [R] ci, [R] cumul,
[R] Diagnostic plots, [R] genmanby,
[R] histogram, [R] Inequality, [R] kappa,
[R] kdensity, [R] ladder, [R] lowess, [R] ipoly,
[R] lv, [R] npregress kernel, [R] regress
postestimation, [R] regress postestimation
diagnostic plots, [R] search, [R] serrar,
[R] sktest, [R] smooth, [R] spikeplot, [R] ssc,
[R] stem, [R] summarize, [R] sunflower,
[R] tabulate oneway, [R] tabulate twoway,
[TS] tline, [TS] tsset, [TS] tsmoment twoways,
[TS] tsmooth shwinters, [U] 3.9 References,
[U] 11.7 References, [U] 12.11 References,
[U] 13.13 References, [U] 17.10 References,
[U] 24.5 References, [U] 25.8 References,
[U] 26.3 References, [XT] xtdescribe
Cox, T. F., [MV] biplot, [MV] ca, [MV] mds,
[MV] mds postestimation, [MV] mdsmat,
[MV] protructes, [MV] Glossary
Cozad, J. B., [MV] discrim lda
Cragg, J. G., [R] churdle, [R] ivregress postestimation
Craig, A. S., [D] icd10
Cramer, E. M., [MV] protructes
Cramér, H., [R] tabulate twoway
Cramer, J. S., [R] logit
Crawford, C. B., [MV] rotate, [MV] rotatemat,
[MV] Glossary
Creel, M. D., [R] epoisson
Cressie, N., [SP] Intro, [SP] spregress
Cribari-Neto, F., [R] betareg
Critchley, F., [MV] mdsmat
Cro, S., [MI] Intro substantive
Cronbach, L. J., [MV] alpha, [R] icc
Cronin, A., [ST] stcox
Crouchley, R., [ME] mestreg
Croux, C., [R] rreg
Crow, K., [D] import, [D] import excel, [D] odbc,
[P] Java intro, [P] return, [RPT] putexcel,
[RPT] putexcel advanced, [U] 13.13 References
Crowe, P. R., [G-2] graph box
Crowther, M. J., [ME] mestreg, [PSS-2] Intro (power),
[ST] stcox, [ST] streg
Cruz-Gonzalez, M., [XT] xtlogit, [XT] xtprobit
Cudeck, R., [SEM] estat gof, [SEM] Methods
and formulas for sem
Cui, J., [ST] stcox, [ST] streg, [XT] xtgee
Cullen, F. T., [META] Intro
Cumming, G., [R] esize, [R] regress postestimation
Cummings, P., [R] binreg, [R] Epitab, [R] glm,
[R] margins, [XT] xtprobit
Cummings, T. H., [R] nbreg, [R] poisson, [R] zinb,
[R] zip
Cunliffe, S., [R] ttest
Curtis, J. T., [MV] clustermat
Curtis, P. S., [META] Intro
Curts-Garcí a, J., [R] smooth
Cushman, W. C., [PSS-2] power repeated
Cutler, J. A., [PSS-2] power repeated
Cutler, S. J., [ST] Itable
Cutuli, G., [XT] xtobond, [XT] xtreg, [XT] xtdpsys,
[XT] xtprobit
Cuzick, J., [R] kappa, [R] nptrend
Czekanowski, J., [MV] measure_option
Czyzyk, J., [M-5] LinearProgram( )
Daniels, L., [U] 11.7 References, [U] 12.11 References, [U] 20.26 References
Daniels, R. C., [SP] Intro
Danuso, F., [R] nl
Dardanoni, V., [MI] Intro substantive
Darmofal, D., [SP] Intro, [SP] spregress
Das, S., [XT] xtunitroot
DasGupta, A., [R] ci
Daubechies, I., [LASSO] lasso
Davis, G., [TS] arima
Davis, R. A., [TS] fmm intro
Davis, R. B., [PSS-2] power repeated
Davis, G., [TS] arima
Davis, P. J., [M-5] Quadrature()
Davis, R. A., [TS] corrgram, [TS] sspace
Davidson, A. C., [R] bootstrap
Dawson, R. J. M., [BAYES] bayespredict
Day, W. H. E., [MV] cluster
De Backer, M., [ME] melogit postestimation
de Boor, C., [R] npregress intro, [R] npregress series
de Finetti, B., [BAYES] Intro
de Groot, H. L. F., [META] Intro
de Hoyos, R. E., [XT] xtreg
de Jong, J. J., [M-5] LinearProgram()
De Keyser, P., [ME] melogit postestimation
de Kraker, M. E. A., [D] icd10
De Leeuw, J., [MV] ca postestimation
De Stavola, B. L., [TE] teffects intro advanced
De Vos, I., [XT] xtabond, [XT] xttdpd, [XT] xttdpdsys
De Vroey, C., [ME] melogit postestimation
de Wolf, I., [CM] cmrologit
Deady, S., [R] betareg
Dean, N., [R] proportion
Deane, G., [SP] estat moran, [SP] spregress, [SP] spxtrege
Dearden, L., [TE] teffects intro advanced, [TE] teffects multivalued
Deaton, A. S., [R] nlsur, [U] 20.26 References
[R] regress, [R] tobit, [SEM] Example 53g, [SEM] Example 54g, [TE] teffects intro advanced
Debarsy, N., [R] Ipoly, [R] npregress kernel
Debru, G., [M-5] LinearProgram()
Defrise, M., [LASSO] lasso
DeGroot, M. H., [BAYES] Intro, [TS] arima
Dehon, C., [R] correlate, [R] rreg
Deister, M., [TS] sspace
DeJong, D. N., [DSGE] Intro 1, [DSGE] Intro 3d, [DSGE] Intro 5
DeJong, D. N., [DSGE] Intro 1, [DSGE] Intro 3d, [DSGE] Intro 5
del Barrio Castro, T., [TS] dfuller, [TS] dffuller
del Rio, A., [TS] tsfilter hp
DeMaris, A., [R] hetregress, [R] regress postestimation
Demidenko, E., [ME] me, [ME] menl
[P] matrix eigenvalues
Dempster, A. P., [ME] me, [ME] mixed, [MI] Intro substantive, [MI] mi impute mvn
Denis, D., [G-2] graph twoway scatter
DeSarbo, W. S., [FMM] fmm intro, [FMM] Example 3
Desbordes, R., [R] ivregress
Desmarais, B. A., [R] zinb, [R] zip
Desu, M. M., [PSS-2] power exponential
Detsky, A. S., [META] meta labbeplot
Dever, J., [SVY] Calibration
Devroye, L., [FN] Random-number functions
Dewey, M. E., [R] correlate
Dey, D. D., [BAYES] Intro
Dey, D. K., [BAYES] Intro
Dezeure, R., [LASSO] Lasso intro
Dhaene, G., [XT] xt
Dice, L. R., [MV] measure_option
Dickens, R., [TS] prais
Dickensin, K., [META] Intro
Dickman, P. W., [ST] stcrreg
Dickson, E. R., [ST] stcrreg
Didelez, V., [R] ivregress
Diebold, F. X., [TS] arch
Dieter, U., [FN] Random-number functions
Dietz, E., [FMM] fnm intro
Dietz, T., [D] describe, [R] anova, [R] test
Digby, P. G. N., [R] tetrachoric
Dijkstra, G. B., [MV] procrustes
Ding, Z., [TS] arch
Dippel, C., [R] ivregress
Discacciati, A., [R] glm
Ditzen, J., [XT] xtcointtest, [XT] xtunitroot
Dobbin, K., [PSS-2] power
Dobson, A. J., [R] glm
Dodd, L. E., [R] rocreg
Dohoo, I., [ME] meintreg, [R] Epitab, [R] regress
Doll, R., [R] Epitab, [R] poisson
Donald, S. G., [R] ivregress postestimation
Donath, S., [R] table, [R] tabstat, [R] tabulate oneway, [R] tabulate twoway
de Doncker-Kapenga, E., [M-5] Quadrature()
Donn, S. M., [ME] menl
Donner, A., [R] loneway
Donoho, D. L., [R] ipoly
Dore, C. J., [R] fp
Dorfman, D. D., [R] rocfit, [R] rocreg
Doris, A., [R] gmm, [R] Inequality
Downward, P., [R] zioprobit
Driver, H. E., [MV] measure_option
Du, K., [TS] vec intro, [TS] vec, [TS] vecrank
Du, Z., [TS] wntestq
Duan, N., [R] boxcox postestimation, [R] heckman, [TS] forecast estimates
Dubes, R. C., [MV] cluster
Duchateau, L., [ME] meintreg
Duda, R. O., [MV] cluster, [MV] cluster stop
Dufour, S., [ME] meintreg
DuMouchel, W. H., [META] meta regress
Dumyati, G., [D] icd10
Duncan, A. J., [R] QC
Duncan, O. D., [SEM] Example 7

Dunn, O. J., [R] correlate

Dunnett, C. W., [FN] Statistical functions, [R] mprobit, [R] pwcompare

Dunnington, G. W., [R] regress

Dunsmore, I. R., [BAYES] Intro


Duren, P., [R] regress

Durlauf, S. N., [TS] prais


Duval, S. J., [META] Intro

Dwyer, J. H., [XT] xtreg

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Eaves, R. C., [SEM] Example 2

Eberhardt, M., [XT] xtrc

Eberly, L. E., [BAYES] Intro

Ecob, R., [MI] mi estimate

Eddings, W. D., [MI] mi impute

Edelsbrunner, H., [MV] cluster

Ederer, F., [ST] table

Edgington, E. S., [R] runtest

Edwards, A. L., [R] anova

Edwards, A. W. F., [R] tetrachoric

Edwards, B. C., [G-1] Graph Editor, [R] logit, [R] regress, [R] summarize

Edwards, J. H., [R] tetrachoric

Efron, B., [R] bootstrap, [R] qreg


Eichenbaum, M., [TS] irf create, [TS] var svar

Eigenbrode, S., [ERM] eregress

Eisenhart, C., [R] correlate, [R] runtest

Elashoff, J. D., [ME] mixed

Elbakidze, L., [ERM] eregress

Elgafghuf, A., [ME] mointreg

Ellenberg, S. S., [BAYES] bayesmh


Ellis, C. D., [R] poisson

Ellis, P. D., [R] esize, [R] regress postestimation

Ellis, S. H., [META] Intro, [META] meta forestplot

Elston, D. A., [ME] mixed


Embreton, S. E., [IRT] irt, [SEM] Example 28g, [SEM] Example 29g

Emerson, J. D., [META] meta summarize, [R] lv, [R] stem

Emsley, R., [TE] teffects multivalued

Enas, G. G., [MV] discrim knn

Ender, P. B., [MV] canon, [R] marginsplot


Engel, C., [R] churdle, [TS] mswitch


Erdreich, L. S., [R] rocomp, [R] rocfit, [R] roctab

Erickson, T., [R] eivreg, [R] gmm

Escanciano, J. C., [TS] wntestq

Escobar, L. A., [PSS-3] Intro (ciwidth), [PSS-3] ciwidth onemean


Evans, C. L., [TS] irf create, [TS] var svar

Evans, J. M., [TS] estat sbcusum

Evans, M. A., [R] pk, [R] pkcross


Everson, H. T., [IRT] DIF

Ewens, W. J., [R] symmetry

Ezekiel, M., [R] regress postestimation diagnostic plots
Ezzati-Rice, T. M., [MI] Intro substantive, [MI] Intro substantive

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Facchin, C., [R] betareg
Fai, A. H.-T., [ME] mixed
Fair, R. C., [TS] forecast solve
Faires, D. J., [MV] cluster dendrogram
Fan, J., [R] lpoly, [R] npregress intro, [R] npregress kernel
Fan, X., [META] Intro
Fan, Y.-A., [R] tabulate twoway
Fang, K.-T., [CM] cmmprobit
Farbacher, H., [R] churdle, [R] cpoisson, [R] tpoisson
Fare, E., [R] frontier, [XT] xfrontier
Feinleib, M., [XT] xtreg
Feiveson, A. H., [PSS-2] Intro (power)
Feldt, L. S., [PSS-2] power repeated, [R] anova
Feller, R., [M-5] LinearProgram()
Fellingham, G. W., [ME] mixed
Feng, S., [MI] Intro substantive
Ferguson, E., [META] meta summarize
Fernández, P., [ME] mixed
Fernandez-Cornejo, J., [ERM] eintreg
Fernández-Villaverde, J., [DSGE] Intro 1, [DSGE] dsge
Ferrara, A., [R] ivregress
Ferrari, S. L. P., [R] betareg
Fertig, N., [ME] mixed
Field, L. N. G., [R] correlate
Filso, V., [R] regress
Finazzi, S., [R] estat gof
Finch, S., [R] esize
Findley, D. F., [R] estat ic
Findley, T. W., [R] ladder
Finkelstein, D. M., [ST] stintreg
Finlay, K., [R] ivprobit, [R] ivregress, [R] ivtobit
Finney, D. J., [IRT] int 3pl, [R] probit, [R] tabulate twoway
Fiocco, M., [ST] streg, [ST] stcrreg postestimation
Fiorentini, G., [TS] mgarch
Fiorio, C. V., [R] kdensity
Fischer, G. H., [SEM] Example 28g
Fiser, D. H., [R] estat gof
Fiset, M., [META] Intro
Fishell, E., [R] kappa
Fisher, N. I., [R] regress postestimation time series
Fiske, D. W., [SEM] Example 17
Fitzgerald, T. J., [TS] tsfilter, [TS] tsfilter cf
Fitzmaurice, G. M., [ME] me, [ME] menl, [ME] mixed
Fix, E., [MV] discrim knn
Flaaen, A., [D] merge
Fleming, T. R., [ST] forecast solve
Flegal, J. M., [BAYES] bayesstats summary
Fletcher, K., [R] rocreg, [R] rocreg postestimation, [R] rocregplot
Fletcher, R., [M-5] optimize()
Flood, S., [R] mlxexp
Flora, R. J. G. M., [META] Intro
Flynn, Z. L., [R] gmm
Folsom, R. C., [R] rocreg, [R] rocreg postestimation, [R] rocregplot
Fontenay, S., [D] import
Ford, C. E., [PSS-2] power repeated
Ford, J. M., [R] frontier, [XT] xfrontier
Forns, J., [LASSO] Lasso intro, [LASSO] Inference examples, [M-5] LinearProgram()
Forsythe, A., [R] sdstest
Forthofer, R. N., [R] dstdzize
Fosheim, G. E., [D] icd10
Foster, A., [R] regress
Fouladi, R. T., [R] esize
Foulkes, M. A., [PSS-2] power cox, [PSS-2] power exponential
Fourier, J. B. J., [R] cumul
Fox, C. M., [IRT] irt, [SEM] Example 28g
Fox, J., [R] kdensity, [R] Iv
Fox, W. C., [R] Iroc
Francia, R. S., [R] swilk
Francis, C., [PSS-2] power repeated
Franklin, C. H., [D] cross
Franzese, R. J., Jr., [XT] xtpcse
Franzini, L., [XT] xtregar
Freeman, D. H., Jr., [SVY] svy: tabulate twoway
Freeman, E. H., [SEM] estat stable
Freeman, J. L., [R] Epitab, [SVY] svy: tabulate twoway
Frees, E. W., [XT] xt
Freese, J., [CM] Intro 6, [CM] cmenprobit, [R] clogit, [R] cloglog, [R] hetoprob, [R] logistic,
[R] logit, [R] mlogit, [R] mprobit, [R] nbreg,
[R] ologit, [R] oprobit, [R] poisson, [R] probit,
[R] tnreg, [R] tpoisson, [R] zinb, [R] zioprobit,
[R] zip
Fridkin, S. K., [D] icd10
Friedman, M., [TS] arima
Friendly, M., [G-2] graph twoway scatter
Freihlich, M., [R] qreg, [TE] tteffects multivalued
Frome, E. L., [R] qreg
Frühwirth-Schnatter, S., [FMM] fmm intro, [TS] mswitch
Frydenberg, M., [R] dstdzize, [R] rocomp, [R] roctab
Fu, V. K., [R] ologit
Fu, W. J., [LASSO] lasso
Fuller, W. A., [MV] factor, [P] _robust, [R] eivreg,
[TS] dfuller, [TS] perron, [TS] psdensity,
[TS] tsfiter, [TS] tsfiter bk, [TS] ucm,
[TS] Glossary, [U] 20.26 References,
[XT] xtcoindtest
Fullerton, A. S., [R] ologit, [R] oprobit
Furberg, C. D., [PSS-2] power repeated
Furr, D. C., [BAYES] bayesmh
Futuyma, D. J., [MV] measure_option
Fyler, D. C., [R] Epitab
Fyles, A., [ST] stcrreg, [ST] stcrreg postestimation

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Gabriel, K. R., [MV] biplot
Gail, M. H., [P] _robust, [PSS-2] power exponential,
[R] rocreg, [R] rocreg postestimation,
Galanti, M. R., [XT] xtgee
Galati, J. C., [MI] Intro substantive, [MI] Intro,
[MI] mi estimate
Galecki, A. T., [ME] estat wcorrelation, [ME] mixed
Gali, J., [TS] estat sbsingle
Galiani, S., [TE] tteffects intro, [TE] tteffects intro advanced
Gall, J.-R. L., [R] estat gof, [R] logistic
Gallacher, D., [D] icd
Gallant, A. R., [R] ivregress, [R] nl
Gallis, J. A., [PSS-2] power onemean, cluster,
[PSS-2] power twomeans, cluster,
[PSS-2] power oneproportion, cluster,
[PSS-2] power twoproportions, cluster,
[PSS-2] power logrank, cluster, [R] permute,
[XT] xtgee
Gallup, J. L., [D] egen, [M-5] _docex(), [R] estimates table, [R] regress postestimation diagnostic plots,
[RPT] putexcel, [RPT] putexcel advanced,
[XT] xline
Galton, F., [R] correlate, [R] cumul, [R] regres,
[R] summarize
Galvao, A. F., [TE] tteffects psmatch
Gamerman, D., [BAYES] Intro
Gan, F. F., [R] Diagnostic plots
Gander, W., [M-5] Quadrature()}
Gange, S. J., [XT] xtlogit, [XT] xtgee,
[XT] xtintreg, [XT] xtlogit, [XT] xtologit,
[XT] xtprobit, [XT] xtprobit, [XT] xttobit
Ganguly, I., [R] zioprobit
Gani, J., [TS] testbalance
Gao, M., [R] npregress series, [TS] arima
Garbow, B. S., [P] matrix symeigen
Garcia, B., [R] churdle
Goerg, S. J., [R] ksmirnov
Goethals, K., [ME] meintreg
Goggin, C., [META] Intro
Golbe, D. L., [D] label language, [D] merge,
[U] 23.1 References
Goldblatt, A., [R] Epitab
Goldfarb, D., [M-5] optimize()
Goldfeld, S. M., [TS] mswitch
Goldman, N., [ME] me
Goldstein, H., [ME] me, [ME] meglm, [ME] melogit,
Goldstein, R., [D] ds, [R] brier, [R] Inequality, [R] nl,
[R] regress postestimation, [XT] xtreg
Golsch., [ME] mestreg, [XT] xt
Golub, G. H., [M-5] svd(), [R] orthog, [R] tetrachoric,
[TS] arfima, [TS] arfima postestimation
Gómez de la Cámara, A., [R] rocreg, [R] rocregplot
Gómez, V., [TS] tsfilter, [TS] tsfilter hp
Gompertz, B., [ST] streg
Gondzio, J., [M-5] LinearProgram()
Gönen, M., [ST] stcox postestimation
Gonnet, P., [M-5] Quadrature()
Goodall, C., [R] lowess, [R] rreg
Goodman, L. A., [R] tabulate twoway,
[SEM] estat lcgof, [SEM] Example 50g,
[SEM] Example 51g, [SEM] Methods and formulas for gsem
Goodman, M. S., [R] anova
Goodman, S. N., [META] meta summarize
Gooley, T. A., [ST] streg
Gopal, K., [FN] Random-number functions
Gopinath, D., [CM] cmminlogit, [CM] cmxtmixlogit
Gordon, A. D., [MV] biplot, [MV] cluster,
[MV] cluster stop, [MV] measure_option
Gordon, D. J., [PSS-2] power repeated
Gordon, M. G., [R] binreg
Gordon, N. J., [BAYES] Intro
Gorga, M. P., [R] rocreg, [R] rocreg postestimation,
[R] rocregplot
Gorman, J. W., [R] stepwise
Gorst-Rasmussen, A., [MV] pca
Gorsuch, R. L., [MV] factor, [MV] rotate,
[MV] rotatemat
Gosset [Student, pseud.], W. S., [R] ttest
Gosset, W. S., [R] ttest
Gotway, C. A., [SP] Intro, [SP] spregrass

Gould, W. W., [D] assert, [D] datasignature,
[D] Datetime values from other software,
[D] destring, [D] drawnorm, [D] ds,
[D] format, [D] merge, [D] putmata,
[D] sample, [ERM] Intro 1, [ERM] Intro 9,
[FN] Random-number functions, [M-0] Intro,
[M-1] Intro, [M-1] How, [M-1] Interactive,
[ME] mestreg, [MI] mi estimate, [P] Intro,
PSS-2 power exponential, [PSS-2] power logrank, [R] bsample, [R] dydx, [R] frontier,
[R] gmm, [R] logistic, [R] margins,
[R] Maximize, [R] nl, [R] poisson, [R] qreg,
[R] regress, [R] rreg, [R] sktest, [R] smooth,
[R] swilk, [SP] spmatrix spfrommata,
[ST] Survival analysis, [ST] stcox, [ST] streg,
[ST] streg postestimation, [ST] stdesc,
[SVY] Survey, [SVY] ml for svy, [TE] stteffects intro,
[U] 1.4 References, [U] 13.13 References,
[U] 18.14 References, [U] 23.1 References,
[U] 27.34 Reference, [XT] xftfrontier,
[XT] xtstreg

Gourieroux, C. S., [R] hausman, [R] suest, [R] test,
[TS] arima, [TS] mgarch ccc, [TS] mgarch dcc,
[TS] mgarch vcc
Gower, J. C., [MV] biplot, [MV] ca, [MV] mca,
[MV] measure_option, [MV] procrustes
Gracik, L., [R] betareg
Graham, J. W., [MI] Intro substantive, [MI] mi impute
PH-assumption tests, [ST] stcox postestimation,
[ST] streg
Granger, C. W. J., [TS] arch, [TS] arfima,
[TS] vargranger, [TS] vec intro, [TS] vec,
[TS] vecrank, [XT] xtcointest
Grant, R. L., [BAYES] bayesmh
Grasela, T. H., Jr., [ME] menl
Grasman, R. P. P. P., [TS] mswitch
Grubard, B. L., [ME] mixed, [PSS-2] power trend,
[R] margins, [R] nl, [R] test, [SVY] Survey,
[SVY] Direct standardization, [SVY] estat,
[SVY] Variance estimation
Grunt, J., [ST] ltable
Gray, L. A., [FMM] fmm: betareg, [R] betareg,
[R] churdle, [R] fracreg, [R] truncreg
Gray, R. J., [ST] streg
Graybill, F. A., [PSS-2] power onecorrelation,
[PSS-2] power twocorrelations, [R] centile
Green, B. F., [MV] discrim lda, [MV] procrustes
Green, D. M., [R] lroc
Green, P. E., [MV] cluster
Greenacre, M. J., [MV]
Green, S., [META]
Green, P. J., [BAYES]
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[R]
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[XT]
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[MV]
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[META]
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[META]
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[META]
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[META]
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[R]
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[RG]
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[RG]
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[R]
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[TS]
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[TS]
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& (and), see logical operators
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