

# Contents

Intro	Introduction to programming manual
Automation	Automation
break	Suppress Break key
byable	Make programs byable
capture	Capture return code
char	Characteristics
class	Class programming
class exit	Exit class-member program and return result
classutil	Class programming utility
comments	Add comments to programs
confirm	Argument verification
continue	Break out of loops
creturn	Return c-class values
_datasignature	Determine whether data have changed
#delimit	Change delimiter
Dialog programming	Dialog programming
discard	Drop automatically loaded programs
display	Display strings and values of scalar expressions
ereturn	Post the estimation results
error	Display generic error message and exit
estat programming	Controlling estat after community-contributed commands
_estimates	Manage estimation results
Estimation command	How to program an estimation command
exit	Exit from a program or do-file
file	Read and write text and binary files
File formats .dta	Description of .dta file format
findfile	Find file in path
foreach	Loop over items
forvalues	Loop over consecutive values
frame post	Post results to dataset in another frame
fvexpand	Expand factor varlists
gettoken	Low-level parsing
H2O intro	Introduction to integration with H2O
if	if programming command
include	Include commands from file
Java intro	Introduction to Java in Stata
Java integration	Java integration for Stata
Java plugin	Introduction to Java plugins
Java utilities	Java utilities
javacall	Call a Java plugin
levelsof	Distinct levels of a variable

macro	Macro definition and manipulation
macro lists	Manipulate lists
makecns	Constrained estimation
mark	Mark observations for inclusion
matlist	Display a matrix and control its format
matrix	Introduction to matrix commands
matrix accum	Form cross-product matrices
matrix define	Matrix definition, operators, and functions
matrix dissimilarity	Compute similarity or dissimilarity measures
matrix eigenvalues	Eigenvalues of nonsymmetric matrices
matrix get	Access system matrices
matrix mkmat	Convert variables to matrix and vice versa
matrix rowjoinbyname	Join rows while matching on column names
matrix rownames	Name rows and columns
matrix score	Score data from coefficient vectors
matrix svd	Singular value decomposition
matrix syeigen	Eigenvalues and eigenvectors of symmetric matrices
matrix utility	List, rename, and drop matrices
more	Pause until key is pressed
nopreserve option	nopreserve option
numlist	Parse numeric lists
pause	Program debugging command
plugin	Load a plugin
postfile	Post results in Stata dataset
_predict	Obtain predictions, residuals, etc., after estimation programming command
preserve	Preserve and restore data
program	Define and manipulate programs
program properties	Properties of user-defined programs
Project Manager	Organize Stata files
PyStata intro	Introduction to using Python and Stata together
PyStata integration	Call Python from Stata
PyStata module	Python package pystata to call Stata from Python
quietly	Quietly and noisily perform Stata command
_return	Preserve stored results
return	Return stored results
_rmcoll	Remove collinear variables
rmsg	Return messages
_robust	Robust variance estimates
scalar	Scalar variables
sersset	Create and manipulate serssets
set locale_functions	Specify default locale for functions
set locale_ui	Specify a localization package for the user interface
set sortmethod	Specify a sort method
set sortrngstate	Set the state of sort's randomizer
signestimationsample	Determine whether the estimation sample has changed
sleep	Pause for a specified time
smcl	Stata Markup and Control Language
sortpreserve	Sort within programs

syntax	Parse Stata syntax
sysdir	Query and set system directories
tabdisp	Display tables
timer	Time sections of code by recording and reporting time spent
tokenize	Divide strings into tokens
trace	Debug Stata programs
unab	Unabbreviate variable list
unabcmd	Unabbreviate command name
varabbrev	Control variable abbreviation
version	Version control
viewsource	View source code
while	Looping
window programming	Programming menus and windows
window fopen	Display open/save dialog box
window manage	Manage window characteristics
window menu	Create menus
window push	Copy command into History window
window stopbox	Display message box
Glossary	
Subject and author index	