

Combined subject table of contents

This is the complete contents for this manual. References to inserts from other Stata manuals that we feel would be of interest to programmers are also included.

Data manipulation and management

Functions and expressions

[U]	Chapter 13	Functions and expressions
[D]	egen	Extensions to generate
[D]	functions	Functions

Dates and times

[U]	Section 12.5.3	Date and time formats
[U]	Chapter 24	Working with dates and times
[D]	bcal	Business calendar file manipulation
[D]	datetime	Date and time values and variables
[D]	datetime business calendars	Business calendars
[D]	datetime business calendars creation	Business calendars creation
[D]	datetime display formats	Display formats for dates and times
[D]	datetime translation	String to numeric date translation functions

Utilities

Basic utilities

[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]	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 online help
[R]	hsearch	Search help files
[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]	#review	Review previous commands
[R]	search	Search Stata documentation
[R]	translate	Print and translate logs
[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

Saved 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 Saving 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 stats Model 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 saved results
- [P] return Return saved results
- [R] saved results Saved results

Internet

- [U] Chapter 28 Using the Internet to keep up to date
- [R] adoupdate Update user-written ado-files
- [D] checksum Calculate checksum of file
- [D] copy Copy file from disk or URL
- [R] net Install and manage user-written additions from the Internet
- [R] net search Search the Internet for installable packages
- [R] netio Control Internet connections
- [R] news Report Stata news
- [R] sj Stata Journal and STB installation instructions
- [R] ssc Install and uninstall packages from SSC
- [R] update Update Stata
- [D] use Load Stata dataset

Data types and memory

- [U] Chapter 6 Managing memory
- [U] Section 12.2.2 Numeric storage types
- [U] Section 12.4.4 String storage types
- [U] Section 13.11 Precision and problems therein
- [U] Chapter 23 Working with strings
- [D] compress Compress data in memory
- [D] data types Quick reference for data types
- [R] matsize Set the maximum number of variables in a model
- [D] memory Memory management
- [D] missing values Quick reference for missing values
- [D] recast Change storage type of variable

Advanced utilities

[D]	assert	Verify truth of claim
[D]	cd	Change directory
[D]	changeool	Convert end-of-line characters of text file
[D]	checksum	Calculate checksum of file
[D]	copy	Copy file from disk or URL
[P]	__datasignature	Determine whether data have changed
[D]	datasignature	Determine whether data have changed
[R]	db	Launch dialog
[P]	dialog programming	Dialog programming
[D]	dir	Display filenames
[P]	discard	Drop automatically loaded programs
[D]	erase	Erase a disk file
[P]	file	Read and write ASCII text and binary files
[D]	filefilter	Convert text or binary patterns in a file
[D]	hexdump	Display hexadecimal report on file
[D]	mkdir	Create directory
[R]	more	The —more— message
[R]	query	Display system parameters
[P]	quietly	Quietly and noisily perform Stata command
[D]	rmdir	Remove directory
[R]	set	Overview of system parameters
[R]	set cformat	Format settings for coefficient tables
[R]	set_defaults	Reset system parameters to original Stata defaults
[R]	set emptycells	Set what to do with empty cells in interactions
[R]	set seed	Specify initial value of random-number seed
[R]	set showbaselevels	Display settings for coefficient tables
[D]	shell	Temporarily invoke operating system
[P]	signestimationsample	Determine whether the estimation sample has changed
[P]	smcl	Stata Markup and Control Language
[P]	sysdir	Query and set system directories
[D]	type	Display contents of a file
[R]	which	Display location and version for an ado-file

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 rownames	Name rows and columns
[P]	matrix score	Score data from coefficient vectors
[R]	ml	Maximum likelihood estimation
[M]	<i>Mata Reference Manual</i>	

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 syeigen	Eigenvalues and eigenvectors of symmetric matrices

Mata

[D]	putmata	Put Stata variables into Mata and vice versa
[M]	<i>Mata Reference Manual</i>	

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 saved 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	Levels of variable
[P]	numlist	Parse numeric lists
[P]	syntax	Parse Stata syntax
[P]	tokenize	Divide strings into tokens

Console output

[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

Commonly used programming commands

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

Debugging

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

Advanced programming commands

[P]	automation	Automation
[P]	break	Suppress Break key
[P]	char	Characteristics
[M-2]	class	Object-oriented programming (classes)
[P]	class	Class programming
[P]	class exit	Exit class-member program and return result
[P]	classutil	Class programming utility
[P]	estat programming	Controlling estat after user-written commands
[P]	__estimates	Manage estimation results
[P]	file	Read and write ASCII text and binary files
[P]	findfile	Find file in path
[P]	include	Include commands from file
[P]	macro	Macro definition and manipulation
[P]	macro lists	Manipulate lists
[R]	ml	Maximum likelihood estimation
[M-5]	moptimize()	Model optimization
[M-5]	optimize()	Function optimization
[P]	plugin	Load a plugin
[P]	postfile	Save results in Stata dataset
[P]	__predict	Obtain predictions, residuals, etc., after estimation programming command
[P]	program properties	Properties of user-defined programs
[D]	putmata	Put Stata variables into Mata and vice versa
[P]	__return	Preserve saved results
[P]	__rmcoll	Remove collinear variables
[P]	__robust	Robust variance estimates
[P]	serset	Create and manipulate sersets
[D]	snapshot	Save and restore data snapshots
[P]	unab	Unabbreviate variable list

[P]	unabcmd	Unabbreviate command name
[P]	varabbrev	Control variable abbreviation
[P]	viewsource	View source code

Special-interest programming commands

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

File formats

[P]	file formats .dta	Description of .dta file format
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Mata

[M]	<i>Mata Reference Manual</i>	
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Interface features

[P]	dialog programming	Dialog programming
[R]	doedit	Edit do-files and other text files
[D]	edit	Browse or edit data with Data Editor
[P]	sleep	Pause for a specified time
[P]	smcl	Stata Markup and Control Language
[D]	varmanage	Manage variable labels, formats, and other properties
[P]	viewsource	View source code
[P]	window programming	Programming menus and windows