

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

Matrix commands

Basics

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

Programming

[P]	<code>ereturn</code>	Post the estimation results
[P]	<code>matrix accum</code>	Form cross-product matrices
[P]	<code>matrix rownames</code>	Name rows and columns
[P]	<code>matrix score</code>	Score data from coefficient vectors
[R]	<code>ml</code>	Maximum likelihood estimation
[M]	<i>Mata Reference Manual</i>	

Other

[P]	<code>makecns</code>	Constrained estimation
[P]	<code>matrix dissimilarity</code>	Compute similarity or dissimilarity measures
[P]	<code>matrix eigenvalues</code>	Eigenvalues of nonsymmetric matrices
[P]	<code>matrix get</code>	Access system matrices
[P]	<code>matrix mkmat</code>	Convert variables to matrix and vice versa
[P]	<code>matrix svd</code>	Singular value decomposition
[P]	<code>matrix symeigen</code>	Eigenvalues and eigenvectors of symmetric matrices

Mata

[D]	<code>putmata</code>	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]	<code>comments</code>	Add comments to programs
[P]	<code>fvexpand</code>	Expand factor varlists
[P]	<code>macro</code>	Macro definition and manipulation
[P]	<code>program</code>	Define and manipulate programs
[P]	<code>return</code>	Return saved results

Program control

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

Parsing and program arguments

[U]	Section 18.4	Program arguments
[P]	<code>confirm</code>	Argument verification
[P]	<code>gettoken</code>	Low-level parsing
[P]	<code>levelsof</code>	Levels of variable
[P]	<code>numlist</code>	Parse numeric lists
[P]	<code>syntax</code>	Parse Stata syntax
[P]	<code>tokenize</code>	Divide strings into tokens

Console output

[P]	<code>dialog programming</code>	Dialog programming
[P]	<code>display</code>	Display strings and values of scalar expressions
[P]	<code>smcl</code>	Stata Markup and Control Language
[P]	<code>tabdisp</code>	Display tables

Commonly used programming commands

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

Debugging

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

Advanced programming commands

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