# Title

> **set** — Overview of system parameters

## Syntax

> set [ *setcommand* ... ]

set typed without arguments is equivalent to query typed without arguments.

## Description

This entry provides a reference to Stata's set commands. For many entries, more thorough information is provided elsewhere; see the Reference field in each entry below for the location of this information.

To reset system parameters to factory defaults, see [R] **set_defaults**.

## Remarks and examples

set adosize
Syntax:      set <u>a</u>dosize *#* [ , <u>perma</u>nently ]
Default:     1,000
Description: sets the maximum amount of memory that automatically loaded do-files
             may consume. $10 \leq \# \leq 10000$.
Reference:   [P] **sysdir**

set autotabgraphs (Windows only)
Syntax:      set autotabgraphs {on|off} [ , <u>perma</u>nently ]
Default:     off
Description: determines whether graphs are created as tabs within one window or as separate
             windows.

set cformat
Syntax:      set cformat [ *fmt* ] [ , <u>perma</u>nently ]
Description: specifies the output format of coefficients, standard errors, and confidence limits
             in coefficient tables. *fmt* is a numerical format; see [D] **format**.
Reference:   [R] **set cformat**

set charset (Mac only)
Syntax:      set charset {mac|latin1} [ , <u>perma</u>nently ]
Default:     mac
Description: sets the character set used by Stata for Mac for rendering of ASCII text.

set checksum
Syntax:       set checksum {on | off} [ , permanently ]
Default:      off
Description:  determines whether files should be prevented from being downloaded from the
              Internet if checksums do not match.
Reference:    [D] **checksum**

set coeftabresults
Syntax:       set coeftabresults {on | off}
Default:      on
Description:  determines whether coefficient table results are stored in r().
              There is no permanently option because permanently is implied.

set conren (Unix console only)
Syntax 1:     set conren
Syntax 2:     set conren clear
Syntax 3:     set conren [sf | bf | it]
                         {result | [txt | text] | input | error | link | hilite}
                         [char[char...]]
Syntax 4:     set conren {ulon | uloff} [char [char ...]]
Syntax 5:     set conren reset [char [char ...]]
Description:  can possibly make the output on your screen appear prettier.
              set conren displays a list of the currently defined display codes.
              set conren clear clears all codes.
              set conren followed by a font type (bf, sf, or it) and display context (result,
              error, link, or hilite) and then followed by a series of space-separated
              characters sets the code for the specified font type and display context. If the font
              type is omitted, the code is set to the same specified code for all three font types.
              set conren ulon and set conren uloff set the codes for turning on and off
              underlining.
              set conren reset sets the code that will turn off all display and underlining codes.
Reference:    [GSU] **conren**

set copycolor (Mac and Windows only)
Syntax:       set copycolor {automatic | asis | gs1 | gs2 | gs3} [ , permanently ]
Default:      automatic
Description:  determines how colors are handled when graphs are copied to the Clipboard.
Reference:    [G-2] **set printcolor**

set dockable (Windows only)
Syntax:       set dockable {on | off} [ , permanently ]
Default:      on
Description:  determines whether to enable the use of dockable window characteristics,
              including the ability to dock or tab a window into another window.

set dockingguides (Windows only)
   Syntax:      set <u>dockin</u>gguides {on | off} [ , <u>perman</u>ently ]
   Default:     on
   Description: determines whether to enable the use of dockable guides when repositioning
                  a dockable window.

set doublebuffer (Windows only)
   Syntax:      set doublebuffer {on | off} [ , <u>perman</u>ently ]
   Default:     on
   Description: enables or disables double buffering of the Results, Viewer, and Data Editor
                  windows. Double buffering prevents the windows from flickering when redrawn
                  or resized. Users who encounter performance problems such as the Results window
                  outputting very slowly should disable double buffering.

set dp
   Syntax:      set dp {<u>comma</u> | <u>peri</u>od} [ , <u>perman</u>ently ]
   Default:     period
   Description: determines whether a period or a comma is to be used as the decimal point.
   Reference:  [D] **format**

set emptycells
   Syntax:      set emptycells {keep | drop} [ , <u>perman</u>ently ]
   Default:     keep
   Description: sets what to do with empty cells in interactions.
   Reference:  [R] **set emptycells**

set eolchar (Mac only)
   Syntax:      set <u>eolch</u>ar {mac | unix} [ , <u>perman</u>ently ]
   Default:     unix
   Description: sets the default end-of-line delimiter for text files created in Stata.

set fastscroll (Unix and Windows only)
   Syntax:      set fastscroll {on | off} [ , <u>perman</u>ently ]
   Default:     on
   Description: sets the scrolling method for new output in the Results window. Setting
                  fastscroll to on is faster but can be jumpy. Setting fastscroll to off
                  is slower but smoother.

set floatwindows (Windows only)
   Syntax:      set floatwindows {on | off}
   Default:     off
   Description: determines whether to enable floating window behavior for dialog boxes and dockable
                  window. The term "float" in this context means that a window will always float
                  over the main Stata window; these windows cannot be placed behind the main Stata
                  window. There is no permanently option because permanently is implied.

set fvlabel
   Syntax:       set fvlabel { on | off } [ , permanently ]
   Description:  specifies whether to display factor-variable value labels in coefficient tables.
   Reference:    [R] **set showbaselevels**


set fvwrap
   Syntax:       set fvwrap # [ , permanently ]
   Description:  specifies that long value labels wrap # lines in coefficient tables.
   Reference:    [R] **set showbaselevels**


set fvwrapon
   Syntax:       set fvwrapon { word | width } [ , permanently ]
   Description:  specifies whether value labels that wrap will break at word bounderies or break
                 based on available space.
   Reference:    [R] **set showbaselevels**


set graphics
   Syntax:       set graphics { on | off }
   Default:      on; default is off for console Stata
   Description:  determines whether graphs are displayed on your monitor.
   Reference:    [G-2] **set graphics**


set haverdir
   Syntax:       set haverdir "*path*" [ , permanently ]
   Description:  specifies the directory where the Haver databases are stored.
   Reference:    [D] **import haver**


set httpproxy
   Syntax:       set httpproxy { on | off } [ , init ]
   Default:      off
   Description:  turns on/off the use of a proxy server. There is no permanently option because
                 permanently is implied.
   Reference:    [R] **netio**


set httpproxyauth
   Syntax:       set httpproxyauth { on | off }
   Default:      off
   Description:  determines whether authorization is required for the proxy server.
                 There is no permanently option because permanently is implied.
   Reference:    [R] **netio**


set httpproxyhost
   Syntax:       set httpproxyhost [ " ] *name* [ " ]
   Description:  sets the name of a host to be used as a proxy server. There is no permanently
                 option because permanently is implied.
   Reference:    [R] **netio**

```
set httpproxyport
```
   Syntax:      `set httpproxyport #`
   Default:     8080 if Stata cannot autodetect the proper setting for your computer.
   Description: sets the port number for a proxy server. There is no `permanently` option
                 because `permanently` is implied.
   Reference:  [R] **netio**

```
set httpproxypw
```
   Syntax:      `set httpproxypw ["]`*password*`["]`
   Description: sets the appropriate password. There is no `permanently` option because
                 `permanently` is implied.
   Reference:  [R] **netio**

```
set httpproxyuser
```
   Syntax:      `set httpproxyuser ["]`*name*`["]`
   Description: sets the appropriate user ID. There is no `permanently` option because
                 `permanently` is implied.
   Reference:  [R] **netio**

```
set include_bitmap (Mac only)
```
   Syntax:      `set include_bitmap {on | off} [ , permanently ]`
   Default:     on
   Description: sets the output behavior when copying an image to the Clipboard.

```
set level
```
   Syntax:      `set level # [ , permanently ]`
   Default:     95
   Description: sets the default confidence level for confidence intervals for all commands
                 that report confidence intervals. $10.00 \leq \# \leq 99.99$, and # can have at
                 most two digits after the decimal point.
   Reference:  [R] **level**

```
set linegap
```
   Syntax:      `set linegap #`
   Default:     1
   Description: sets the space between lines, in pixels, in the Results window. There is no
                 `permanently` option because `permanently` is implied.

```
set linesize
```
   Syntax:      `set linesize #`
   Default:     1 less than the full width of the screen
   Description: sets the line width, in characters, for both the screen and the log file.
   Reference:  [R] **log**

**set locksplitters** (Windows only)
  Syntax:        set locksplitters {on | off} [ , permanently ]
  Default:      off
  Description: determines whether splitters should be locked so that docked windows
                    cannot be resized.

**set logtype**
  Syntax:        set logtype {text | smcl} [ , permanently ]
  Default:      smcl
  Description: sets the default log filetype.
  Reference:   [R] **log**

**set lstretch**
  Syntax:        set lstretch {on | off} [ , permanently ]
  Description: specifies whether to automatically widen the coefficient table up to the width of
                    the Results window to accommodate longer variable names.

**set matacache, set matafavor, set matalibs, set matalnum, set matamofirst,**
  **set mataoptimize,** and **set matastrict;** see [M-3] **mata set**.

**set matsize**
  Syntax:        set matsize # [ , permanently ]
  Default:      400 for Stata/MP, Stata/SE, and Stata/IC; 40 for Small Stata
  Description: sets the maximum number of variables that can be included in any estimation
                    command. This setting cannot be changed in Small Stata.
                    $10 \le \# \le 11000$ for Stata/MP and Stata/SE; $10 \le \# \le 800$ for Stata/IC.
  Reference:   [R] **matsize**

**set max_memory**
  Syntax:        set max_memory #[b | k | m | g] [ , permanently ]
  Default:      . (all the memory the operating system will supply)
  Description: specifies the maximum amount of memory Stata can use to store your data.
                    $2 \times$ segmentsize $\le \# \le$ .
  Reference:   [D] **memory**

**set maxdb**
  Syntax:        set maxdb # [ , permanently ]
  Default:      50
  Description: sets the maximum number of dialog boxes whose contents are remembered
                    from one invocation to the next during a session. $5 \le \# \le 1000$
  Reference:   [R] **db**

**set maxiter**
  Syntax:        set maxiter # [ , permanently ]
  Default:      16000
  Description: sets the default maximum number of iterations for estimation commands.
                    $0 \le \# \le 16000$
  Reference:   [R] **maximize**

`set maxvar`
   Syntax:        `set maxvar` # $\left[\,,\,\underline{\text{permanently}}\,\right]$
   Default:       5000 for Stata/MP and Stata/SE, 2048 for Stata/IC, and 99 for Small Stata
   Description:  sets the maximum number of variables. This can be changed only in Stata/MP and
                  Stata/SE. $2048 \leq \# \leq 32767$
   Reference:   [D] **memory**


`set min_memory`
   Syntax:        `set min_memory` #$\left[\text{b}\,|\,\text{k}\,|\,\text{m}\,|\,\text{g}\right]$ $\left[\,,\,\underline{\text{permanently}}\,\right]$
   Default:       0
   Description:  specifies an amount of memory Stata will not fall below. This setting affects
                  efficiency, not the size of datasets you can analyze. $0 \leq \# \leq$ `max_memory`
   Reference:   [D] **memory**


`set more`
   Syntax:        `set` <u>more</u> $\left\{\text{on}\,|\,\text{off}\right\}$ $\left[\,,\,\underline{\text{permanently}}\,\right]$
   Default:       on
   Description:  pauses when —more— is displayed, continuing only when the user presses a key.
   Reference:   [R] **more**


`set niceness`
   Syntax:        `set niceness` # $\left[\,,\,\underline{\text{permanently}}\,\right]$
   Default:       5
   Description:  affects how soon Stata gives back unused segments to the operating system.
                  $0 \leq \# \leq 10$
   Reference:   [D] **memory**


`set notifyuser` (Mac only)
   Syntax:        `set notifyuser` $\left\{\text{on}\,|\,\text{off}\right\}$ $\left[\,,\,\underline{\text{permanently}}\,\right]$
   Default:       on
   Description:  sets the default Notification Manager behavior in Stata.


`set obs`
   Syntax:        `set` <u>obs</u> #
   Default:       current number of observations
   Description:  changes the number of observations in the current dataset. # must be at least
                  as large as the current number of observations. If there are variables in memory,
                  the values of all new observations are set to *missing*.
   Reference:   [D] **obs**


`set odbcmgr` (Unix only)
   Syntax:        `set` <u>odbcmgr</u> $\left\{\text{iodbc}\,|\,\text{unixodbc}\right\}$ $\left[\,,\,\underline{\text{permanently}}\,\right]$
   Default:       iodbc
   Description:  determines whether iODBC or unixODBC is your ODBC driver manager.
   Reference:   [D] **odbc**

set output
   Syntax:      set <u>out</u>put {proc | <u>in</u>form | <u>e</u>rror}
   Default:     proc
   Description: specifies the output to be displayed. proc means display all output; inform
                  suppresses procedure output but displays informative messages and error messages;
                  error suppresses all output except error messages. set output is seldom used.
   Reference:  [P] **quietly**

set pagesize
   Syntax:      set <u>pag</u>esize #
   Default:     2 less than the physical number of lines on the screen
   Description: sets the number of lines between —more— messages.
   Reference:  [R] **more**

set pformat
   Syntax:      set pformat [ *fmt* ] [ , <u>permanently</u> ]
   Description: specifies the output format of $p$-values in coefficient tables.
                  *fmt* is a numerical format; see [D] **format**.
   Reference:  [R] **set cformat**

set pinnable (Windows only)
   Syntax:      set pinnable {on | off} [ , <u>permanently</u> ]
   Default:     on
   Description: determines whether to enable the use of pinnable window characteristics for certain
                  windows in Stata.

set playsnd (Mac only)
   Syntax:      set playsnd {on | off} [ , <u>permanently</u> ]
   Default:     on
   Description: sets the sound behavior for the Notification Manager behavior in Stata.

set printcolor
   Syntax:      set printcolor {<u>auto</u>matic | asis | gs1 | gs2 | gs3} [ , <u>permanently</u> ]
   Default:     automatic
   Description: determines how colors are handled when graphs are printed.
   Reference:  [G-2] **set printcolor**

set processors
   Syntax:      set processors #
   Description: sets the number of processors or cores that Stata/MP will use. The default
                  is the number of processors available on the computer, or the number of
                  processors allowed by Stata/MP's license, whichever is less.

set reventries
   Syntax:      set <u>reventries</u> # [ , <u>permanently</u> ]
   Default:     5000
   Description: sets the number of scrollback lines available in the Review window.
                  $5 \leq \# \leq 32000$.

set revkeyboard (Mac only)
   Syntax:     set revkeyboard {on | off} [ , permanently ]
   Default:    on
   Description: sets the keyboard navigation behavior for the Review window. on indicates
               that you can use the keyboard to navigate and enter items from the Review
               window into the Command window. off indicates that all keyboard input be
               directed at the Command window; items can be entered from the Review
               window only by using the mouse.

set rmsg
   Syntax:     set rmsg {on | off} [ , permanently ]
   Default:    off
   Description: indicates whether a return message telling the execution time is to be displayed at
               the completion of each command.
   Reference:  [P] **rmsg**

set scheme
   Syntax:     set scheme *schemename* [ , permanently ]
   Default:    s2color
   Description: determines the overall look for graphs.
   Reference:  [G-2] **set scheme**

set scrollbufsize
   Syntax:     set scrollbufsize #
   Default:    200000
   Description: sets the scrollback buffer size, in bytes, for the Results window;
               may be set between 10,000 and 2,000,000.

set searchdefault
   Syntax:     set searchdefault {local | net | all} [ , permanently ]
   Default:    local
   Description: sets the default behavior of the search command. set searchdefault local
               restricts search to use only Stata's keyword database. set searchdefault net
               restricts search to searching only the Internet. set searchdefault all
               indicates that both the keyword database and the Internet are to be searched.
   Reference:  [R] **search**

set seed
   Syntax:     set seed {# | *code*}
   Default:    123456789
   Description: specifies initial value of the random-number seed used by the runiform() function.
   Reference:  [R] **set seed**

set segmentsize
   Syntax:     set segmentsize #[b | k | m | g] [ , permanently ]
   Default:    32m for 64-bit machines; 16m for 32-bit machines
   Description: Stata allocates memory for data in units of segmentsize. This setting changes the
               amount of memory in a single segment.
               $1m \le \# \le 32g$ for 64-bit machines; $1m \le \# \le 1g$ for 32-bit machines
   Reference:  [D] **memory**

set sformat
   Syntax:      set sformat $\lbrack$ *fmt* $\rbrack$ $\lbrack$ , <u>permanently</u> $\rbrack$
   Description: specifies the output format of test statistics in coefficient tables.
                *fmt* is a numerical format; see [D] **format**.
   Reference:  [R] **set cformat**

set showbaselevels
   Syntax:      set showbaselevels $\lbrace$ on $\vert$ off $\vert$ all $\rbrace$ $\lbrack$ , <u>permanently</u> $\rbrack$
   Description: specifies whether to display base levels of factor variables and their interactions
                in coefficient tables.
   Reference:  [R] **set showbaselevels**

set showemptycells
   Syntax:      set showemptycells $\lbrace$ on $\vert$ off $\rbrace$ $\lbrack$ , <u>permanently</u> $\rbrack$
   Description: specifies whether to display empty cells in coefficient tables.
   Reference:  [R] **set showbaselevels**

set showomitted
   Syntax:      set showomitted $\lbrace$ on $\vert$ off $\rbrace$ $\lbrack$ , <u>permanently</u> $\rbrack$
   Description: specifies whether to display omitted coefficients in coefficient tables.
   Reference:  [R] **set showbaselevels**

set smoothfonts (Mac only)
   Syntax:      set <u>smoothf</u>onts $\lbrace$ on $\vert$ off $\rbrace$
   Default:     on
   Description: determines whether to use font smoothing (antialiased text) in the Results, Viewer,
                and Data Editor windows.

set timeout1
   Syntax:      set timeout1 *#seconds* $\lbrack$ , <u>permanently</u> $\rbrack$
   Default:     30
   Description: sets the number of seconds Stata will wait for a remote host to respond to an initial
                contact before giving up. In general, users should not modify this value unless
                instructed to do so by Stata Technical Services.
   Reference:  [R] **netio**

set timeout2
   Syntax:      set timeout2 *#seconds* $\lbrack$ , <u>permanently</u> $\rbrack$
   Default:     180
   Description: sets the number of seconds Stata will keep trying to get information from a remote
                host after initial contact before giving up. In general, users should not modify this
                value unless instructed to do so by Stata Technical Services.
   Reference:  [R] **netio**

set trace
   Syntax:      set <u>tr</u>ace $\lbrace$ on $\vert$ off $\rbrace$
   Default:     off
   Description: determines whether to trace the execution of programs for debugging.
   Reference:  [P] **trace**

set tracedepth
   Syntax:      set <u>trace</u>depth #
   Default:     32000 (equivalent to $\infty$)
   Description: if `trace` is set on, traces execution of programs and nested programs up to
                 `tracedepth`. For example, if `tracedepth` is 2, the current program and any
                  subroutine called would be traced, but subroutines of subroutines would not
                  be traced.
   Reference:  [P] **trace**

set traceexpand
   Syntax:      set <u>trace</u>expand {on|off} [ , <u>permanently</u> ]
   Default:     on
   Description: if `trace` is set on, shows lines both before and after macro expansion. If
                  `traceexpand` is set off, only the line before macro expansion is shown.
   Reference:  [P] **trace**

set tracehilite
   Syntax:      set <u>trace</u>hilite "*pattern*" [ , word ]
   Default:     ""
   Description: highlights *pattern* in the trace output.
   Reference:  [P] **trace**

set traceindent
   Syntax:      set <u>trace</u>indent {on|off} [ , <u>permanently</u> ]
   Default:     on
   Description: if `trace` is set on, indents displayed lines according to their nesting level. The
                  lines of the main program are not indented. Two spaces of indentation are used for
                  each level of nested subroutine.
   Reference:  [P] **trace**

set tracenumber
   Syntax:      set <u>trace</u>number {on|off} [ , <u>permanently</u> ]
   Default:     off
   Description: if `trace` is set on, shows the nesting level numerically in front of the line.
                  Lines of the main program are preceded by 01, lines of subroutines called by the
                  main program are preceded by 02, etc.
   Reference:  [P] **trace**

set tracesep
   Syntax:      set <u>trace</u>sep {on|off} [ , <u>permanently</u> ]
   Default:     on
   Description: if `trace` is set on, displays a horizontal separator line that displays the name
                  of the subroutine whenever a subroutine is called or exits.
   Reference:  [P] **trace**

set type
   Syntax:      set type {float | double} [ , permanently ]
   Default:     float
   Description: specifies the default storage type assigned to new variables.
   Reference:   [D] **generate**


set update_interval (Mac and Windows only)
   Syntax:      set update_interval #
   Default:     7
   Description: sets the number of days to elapse before performing the next automatic
                update query.
   Reference:   [R] **update**


set update_prompt (Mac and Windows only)
   Syntax:      set update_prompt {on | off}
   Default:     on
   Description: determines wheter a dialog is to be displayed before performing an automatic
                update query. There is no permanently option because permanently is implied.
   Reference:   [R] **update**


set update_query (Mac and Windows only)
   Syntax:      set update_query {on | off}
   Default:     on
   Description: determines whether update query is to be automatically performed when Stata
                is launched. There is no permanently option because permanently is implied.
   Reference:   [R] **update**


set varabbrev
   Syntax:      set varabbrev {on | off} [ , permanently ]
   Default:     on
   Description: indicates whether Stata should allow variable abbreviations.
   Reference:   [P] **varabbrev**


set varkeyboard (Mac only)
   Syntax:      set varkeyboard {on | off} [ , permanently ]
   Default:     on
   Description: sets the keyboard navigation behavior for the Variables window. on indicates
                that you can use the keyboard to navigate and enter items from the Variables
                window into the Command window. off indicates that all keyboard input be
                directed at the Command window; items can be entered from the Variables
                window only by using the mouse.

## Also see

[R] **query** — Display system parameters

[R] **set_defaults** — Reset system parameters to original Stata defaults

[P] **creturn** — Return c-class values

[M-3] **mata set** — Set and display Mata system parameters