

query — Display system parameters

[Description](#)[Syntax](#)[Remarks and examples](#)[Also see](#)

Description

query displays the settings of various Stata parameters.

Syntax

```
query [ memory | output | interface | graphics | efficiency | network |
       update | trace | mata | unicode | other ]
```

Remarks and examples

[stata.com](#)

query provides more system information than you will ever want to know. You do not need to understand every line of output that query produces if all you need is one piece of information. Here is what happens when you type query:

```
. query
```

```
Memory settings
set maxvar          5000      2048-32767; max. vars allowed
set matsize         400       10-11000; max. # vars in models
set niceness        5         0-10
set min_memory      0         0-1600g
set max_memory      .         32m-1600g or .
set segmentsize    32m       1m-32g
```

```
Output settings
set more            off
set rmsg            off
set dp              period    may be period or comma
set linesize       80        characters
set pagesize        28        lines

set level           95        percent confidence intervals
set clevel          95        percent credible intervals
```

```
set showbaselevels          may be empty, off, on, or all
set showemptycells         may be empty, off, or on
set showomitted            may be empty, off, or on
set fvlabel                 on
set fvwrap                  1
set fvwrapon                word    may be word or width
set fvtrack                 term    may be term or factor
```

```
set lstretch              may be empty, off, or on
```

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set cformat		may be empty or a numerical format
set pformat		may be empty or a numerical format
set sformat		may be empty or a numerical format
<hr/>		
set coeftabresults	on	
<hr/>		
set logtype	smcl	may be smcl or text
<hr/>		
Interface settings		
set dockable	on	
set dockingguides	on	
set floatwindows	off	
set locksplitters	off	
set pinnable	on	
set doublebuffer	on	
<hr/>		
set linegap	1	pixels
set scrollbufsize	200000	characters
set fastscroll	on	
set reventries	5000	lines
<hr/>		
set maxdb	50	dialog boxes
<hr/>		
Graphics settings		
set graphics	on	
set autotabgraphs	off	
set scheme	s2color	
set printcolor	automatic	may be automatic, asis, gs1, gs2, gs3
set copycolor	automatic	may be automatic, asis, gs1, gs2, gs3
<hr/>		
Efficiency settings		
set adosize	1000	kilobytes
<hr/>		
Network settings		
set checksum	off	
set timeout1	30	seconds
set timeout2	180	seconds
<hr/>		
set httpproxy	off	
set httpproxyhost		
set httpproxyport	80	
<hr/>		
set httpproxyauth	off	
set httpproxyuser		
set httpproxypw		
<hr/>		
Update settings		
set update_query	on	
set update_interval	7	
set update_prompt	on	
<hr/>		
Trace (programming debugging) settings		
set trace	off	
set tracedepth	32000	
set traceexpand	on	
set tracesep	on	
set traceindent	on	
set tracenumber	off	
set tracehilite		

```

Mata settings
  set matastrict          off
  set matalnum            off
  set mataoptimize       on
  set matafavor          space      may be space or speed
  set matakache          2000      kilobytes
  set matalibs           lmatabase;lmatapss;lmatapostest;lmataerm;lmatapath;
> lmatagsem;lmataopt;lmatasem;lmataado;lmatafc;lmatasp;lmatamcmc;lmatamixlog
  set matamofirst        off

```

```

Unicode
  set locale_ui          en_US
  set locale_functions   en_US

```

```

Other settings
  set type               float      may be float or double
  set maxiter            16000      max iterations for estimation commands
  set searchdefault     all        may be local, net, or all
  set rng                default    may be default, mt64, mt64s, or kiss32
  set rngstate          XAA0000000000000000000000000000000000000000000000000...
  set rngstream         1          rng stream number
  set varabbrev         on
  set emptycells       keep      may be keep or drop
  set processors       4          1-4
  set haverdir
  set fredkey

```

The output is broken into several divisions: memory, output, interface, graphics, efficiency, network, update, trace, mata, and other settings. We will discuss each one in turn.

We generated the output above using Stata/MP for Windows. Here is what happens when we type `query` and we are running Stata/SE for Mac:

```
. query
```

```

Memory settings
  set maxvar            5000      2048-32767; max. vars allowed
  set matsize           400      10-11000; max. # vars in models
  set niceness         5        0-10
  set min_memory       0        0-1600g
  set max_memory       .        32m-1600g or .
  set segmentsize     32m      1m-32g

```

```

Output settings
  set more              off
  set rmsg              off
  set dp               period    may be period or comma
  set linesize        117      characters
  set pagesize         25      lines

```

```

  set level            95      percent confidence intervals
  set clevel           95      percent credible intervals

```

```

  set showbaselevels  may be empty, off, on, or all
  set showemptycells  may be empty, off, or on
  set showomitted     may be empty, off, or on
  set fvlabel         on
  set fvwrap          1
  set fvwrapon        word     may be word or width
  set fvtrack         term     may be term or factor

```

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set lstretch		may be empty, off, or on
set cformat		may be empty or a numerical format
set pformat		may be empty or a numerical format
set sformat		may be empty or a numerical format
set coeftabresults	on	
set logtype	smcl	may be smcl or text
set notifyuser	on	
set playsnd	off	
set include_bitmap	on	
Interface settings		
set revkeyboard	on	
set varkeyboard	on	
set smoothfonts	on	
set linegap	1	pixels
set scrollbufsize	200000	characters
set reventries	5000	lines
set maxdb	50	dialog boxes
Graphics settings		
set graphics	on	
set scheme	s2color	
set printcolor	automatic	may be automatic, asis, gs1, gs2, gs3
set copycolor	automatic	may be automatic, asis, gs1, gs2, gs3
Efficiency settings		
set adosize	1000	kilobytes
Network settings		
set checksum	off	
set timeout1	30	seconds
set timeout2	180	seconds
set httpproxy	off	
set httpproxyhost		
set httpproxyport	80	
set httpproxyauth	off	
set httpproxyuser		
set httpproxypw		
Update settings		
set update_query	off	
set update_interval	7	
set update_prompt	on	
Trace (programming debugging) settings		
set trace	off	
set tracedepth	32000	
set traceexpand	on	
set tracesep	on	
set traceindent	on	
set tracenumber	off	
set tracehilite		

showemptycells	[R] set showbaselevels
showomitted	[R] set showbaselevels
fvlabel	[R] set showbaselevels
fvwrap	[R] set showbaselevels
fvwrapon	[R] set showbaselevels
fvtrack	[R] set
lstretch	[R] set
cformat	[R] set cformat
pformat	[R] set cformat
sformat	[R] set cformat
coeftabresults	[R] set
logtype	[R] log
notifyuser	[R] set
playsnd	[R] set
include_bitmap	[R] set

Interface settings

Interface settings control how Stata's interface works.

For more information, see

dockable	[R] set
dockingguides	[R] set
floatwindows	[R] set
locksplitters	[R] set
pinnable	[R] set
doublebuffer	[R] set
revkeyboard	[R] set
varkeyboard	[R] set
smoothfonts	[R] set
linegap	[R] set
scrollbufsize	[R] set
fastscroll	[R] set
reventries	[R] set
maxdb	[R] db

Graphics settings

Graphics settings indicate how Stata's graphics are displayed.

For more information, see

graphics	[G-2] set graphics
autotabgraphs	[R] set
scheme	[G-2] set scheme
printcolor	[G-2] set printcolor
copycolor	[G-2] set printcolor

Efficiency settings

The efficiency settings set the maximum amount of memory allocated to automatically loaded do-files, the maximum number of remembered-contents dialog boxes, and the use of virtual memory.

For more information, see `adosize` in [P] [sysdir](#).

Network settings

Network settings determine how Stata interacts with the Internet.

For more information, see [R] [netio](#).

Update settings

Update settings determine how Stata performs updates.

For more information, see [R] [update](#).

Trace settings

Trace settings adjust Stata's behavior and are particularly useful in debugging code.

For more information, see [P] [trace](#).

Mata settings

Mata settings affect Mata's system parameters.

For more information, see [M-3] [mata set](#).

Unicode settings

Unicode settings affect Stata's localization package for the user interface.

For more information, see [P] [set locale_ui](#) and [P] [set locale_functions](#).

Other settings

The other settings are a miscellaneous collection.

For more information, see

type	[D] generate
maxiter	[R] maximize
searchdefault	[R] search
rng	[R] set rng
rngstate	[R] set seed
rngstream	[R] set rngstream
varabbrev	[R] set
emptycells	[R] set
processors	[R] set
odbcmgr	[D] odbc
odbcdriver	[D] odbc
haverdir	[D] import haver

In general, the parameters displayed by `query` can be changed by `set`; see [R] [set](#).

Also see

[R] [set](#) — Overview of system parameters

[P] [creturn](#) — Return c-class values

[M-3] [mata set](#) — Set and display Mata system parameters