

query — Display system parameters

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

Syntax

```

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

```

Description

query displays the settings of various Stata parameters.

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	on	
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
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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 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

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set coeftabresults	on	
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 scrollbarsize	204800	characters
set fastscroll	on	
set varlabelpos		(not relevant)
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		
<hr/>		

```

Mata settings
  set matastrict      off
  set matalnum        off
  set mataoptimize    on
  set matafavor       space      may be space or speed
  set matacache       400        kilobytes
  set matalibs        lmatbase;lmetaado;lmetafc;lmetaagsem;lmetaopt;
> lmatapath;lmatapss;lmatasem
  set matamofirst     off

```

```

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 seed            X075bcd151f123bb5159a55e50022865700043e55
  set varabbrev       on
  set emptycells      keep       may be keep or drop
  set processors      2          1-2
  set haverdir

```

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 rmmsg           off
  set dp              period     may be period or comma
  set linesize       80         characters
  set pagesize        23        lines

```

```

  set level           95         percent confidence 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 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 charset	mac	may be mac or latin1
set eolchar	unix	may be mac or unix
set notifyuser	on	
set playsnd	off	
set include_bitmap	on	
<hr/>		
Interface settings		
set revkeyboard	on	
set varkeyboard	on	
set smoothfonts	on	
<hr/>		
set linegap	1	pixels
set scrollbarbufsize	204800	characters
set varlabelpos		(not relevant)
set reventries	5000	lines
<hr/>		
set maxdb	50	dialog boxes
<hr/>		
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
<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 matacache       400        kilobytes
  set matalibs        lmatbase;lmetaado;lmetaafc;lmatagsem;lmetaopt;
> lmatapath;lmatapss;lmatasem
  set matamofirst     off

```

```

Other settings
  set type            float      may be float or double
  set maxiter         16000      max iterations for estimation commands
  set searchdefault   local      may be local, net, or all
  set seed            X075bcd151f123bb5159a55e50022865700043e55
  set varabbrev       on
  set emptycells      keep       may be keep or drop
  set processors      1

```

Memory settings

Memory settings indicate how memory is allocated, the maximum number of variables, and the maximum size of a matrix.

For more information, see

```

maxvar    [D] memory
matsize   [R] matsize
niceness  [D] memory
min_memory [D] memory
max_memory [D] memory
segmentsize [D] memory

```

Output settings

Output settings show how Stata displays output on the screen and in log files.

For more information, see

```

more      [R] more
rmsg      [P] rmsg
dp        [D] format
linesize [R] log
pagesize  [R] more
level     [R] level
showbaselevels [R] set showbaselevels
showemptycells [R] set showbaselevels
showomitted [R] set showbaselevels
fvlabel   [R] set showbaselevels
fvwrap    [R] set showbaselevels
fvwrapon  [R] set showbaselevels
cformat   [R] set cformat
pformat   [R] set cformat
sformat   [R] set cformat

```

coefstabresults [R] **set**
 lstretch [R] **set**
 logtype [R] **log**
 charset [R] **set**
 eolchar [R] **set**
 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 [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](#).

Other settings

The other settings are a miscellaneous collection.

For more information, see

type	[D] generate
maxiter	[R] maximize
searchdefault	[R] search
seed	[R] set seed
varabbrev	[R] set
emptycells	[R] set
processors	[R] set
odbcmgr	[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