

Description

query displays the settings of various Stata parameters.

Syntax

```
query [memory | output | interface | graphics | network | update |
trace | mata | java | lapack | putdocx | putpdf | python | rng |
sort | unicode | other ]
```

Remarks and examples

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	2048-120000; max. vars allowed
set nice ness	5	0-10
set min_memory	0	0-1600g
set max_memory	.	32m-1600g or .
set segmentsize	32m	1m-32g
set adosize	1000	kilobytes
set max_preservemem	1g	0-1600g

Output settings		
set more	off	
set rmsg	off	
set dp	period	may be period or comma
set linesize	80	characters
set pagesize	32	lines

set iterlog	on	
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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 fwwrap	1	
set fwrapon	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 dots	on	
set logtype	smcl	may be smcl or text
set logmsg	on	
set collect_label	default	
set collect_style	default	
set table_style	table	
set etable_style	etable	
set dtable_style	dtable	
set tabulate_style	tabulate	
set tabulate_comps	tabulate_composites	
set svy_tab_comps	svy_tabulate_composites	
set collect_warn	on	
<hr/>		
Interface settings		
set dockable	on	
set floatwindows	off	
set locksplitters	off	
set pinnable	on	
set taskbargroups	on	
set doublebuffer	on	
set linegap	1	pixels
set scrollbufsize	204800	characters
set fastscroll	on	
set reentries	5000	lines
set maxdb	50	dialog boxes
<hr/>		
Graphics settings		
set graphics	on	
set autotabgraphs	on	
set scheme	stcolor	
set printcolor	asis	may be automatic, asis, gs1, gs2, gs3
set copycolor	asis	may be automatic, asis, gs1, gs2, gs3
<hr/>		
Network settings		
set httpproxy	off	
set httpproxyhost		
set httpproxyport	80	
set httpproxyauth	off	
set httpproxyuser		
set httpproxypw		
<hr/>		
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   off

Mata settings
  set matastrict    off
  set matalnum      off
  set mataoptimize  on
  set matafavor     space      may be space or speed
  set matocache     2000      kilobytes
  set matalibs      lmatabase;lmataado;lmatabma;lmatacollect;lmataerm;lm
> atafc;lmatagsem;lmatalasso;lmatamcmc;lmamatameta;lmatami;lmamatamixlog;lmatanumli
> b;lmataopt;lmatapath;lmatapostest;lmatapss;lmatasem;lmatasp;lmatasvy;lmatab
  set matamofirst   off
  set matasolvetol  .         may be . or any double-precision number

Java settings
  set java_heapmax  4096m
  set java_home     C:\Program Files\Stata19\utilities\java\windows-
> x64\zulu-jdk17.0.12\

LAPACK settings
  set lapack_mkl     on
  set lapack_mkl_cnr default

putdocx settings
  set docx_hardbreak off
  set docx_paramode off
  set docx_maxtable  500      1-10000

putpdf settings
  set pdf_maxtable  500      1-10000

Python settings
  set python_exec
  set python_userpath

RNG settings
  set rng            default   may be default, mt64, mt64s, or kiss32
  set rngstate       XAA000000000000000000000000000000...
  set rngstream      1         rng stream number

sort settings
  set sortmethod     default   may be default, fsort, or qsort
                                fsort    current sort method
  set sortrngstate   1001XZA112210f4b16c1cb10507a1f38cb440c400...

Unicode settings
  set locale_ui      en_US
  set locale_functions en_US

```

Other settings		
set type	float	may be float or double
set maxiter	300	max iterations for estimation commands
set searchdefault	all	may be local, net, or all
set varabbrev	on	
set emptycells	keep	may be keep or drop
set fvtrack	term	may be term or factor
set fvbase	on	
set processors	4	1-4
set kmp_blocktime	-1	time duration in milliseconds
set odbcdriver	unicode	may be unicode, ansi, or default
set haverdir		
set fredkey		
set collect_double	on	
set dtascomplevel	1	dtas default compression level; 0-9
set reshape_favor	default	may be default, memory, or speed
set doeditbackup	on	

The output is broken into several divisions: memory, output, interface, graphics, network, update, trace, Mata, Java, LAPACK, putdocx, putpdf, Python, RNG, sort, Unicode, 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 niceness	5	0-10
set min_memory	0	0-1600g
set max_memory	.	32m-1600g or .
set segmentsize	32m	1m-32g
set adosize	1000	kilobytes

Output settings		
set more	off	
set rmsg	off	
set dp	period	may be period or comma
set linesize	80	characters
set pagesize	23	lines

set iterlog	on
-------------	----

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 fwrap	1	
set fwrapon	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 dots	on	
set logtype	smcl	may be smcl or text
set logmsg	on	
set collect_label	default	
set collect_style	default	
set table_style	table	
set etable_style	etable	
set dtable_style	dtable	
set tabulate_style	tabulate	
set tabulate_comps	tabulate_composites	
set svy_tab_comps	svy_tabulate_composites	
set collect_warn	on	
set notifyuser	on	
set playsnd	off	
set include_bitmap	on	
<hr/>		
Interface settings		
set revkeyboard	on	
set varkeyboard	on	
set smoothfonts	on	
set linegap	1	pixels
set scrollbufsize	204800	characters
set reventries	5000	lines
set maxdb	50	dialog boxes
<hr/>		
Graphics settings		
set graphics	on	
set scheme	stcolor	
set printcolor	asis	may be automatic, asis, gs1, gs2, gs3
set copycolor	asis	may be automatic, asis, gs1, gs2, gs3
set maxbezierpath	0	bezier path elements
<hr/>		
Network settings		
set httpproxy	off	
set httpproxyhost		
set httpproxypport	80	
set httpproxyauth	off	
set httpproxyuser		
set httpproxypw		
<hr/>		
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   on

Mata settings
  set matastrict    off
  set matalnum       off
  set mataoptimize  on
  set matafavor     space      may be space or speed
  set matocache      2000      kilobytes
  set matalibs       lmatabase;lmamatamcmc;lmatabma;lmatacollect;lmatabtab;lm
> atamixlog;lmatami;lmatasem;lmatagsem;lmatasp;lmatapss;lmatalasso;lmatapostest;
> lmatapath;lmamatameta;lmataopt;lmatasvy;lmatanumlib;lmataado;lmataerm;lmatafc
  set matamofirst   off
  set matasolveto1  .         may be . or any double-precision number

Java settings
  set java_heapmax  4096m
  set java_home     /Users/Stata19/utilities/java/macosx-x64
> /zulu-jdk17.0.12/

LAPACK settings
  set lapack_openblas on

putdocx settings
  set docx_hardbreak off
  set docx_paramode off
  set docx_maxtable  500      1-10000

putpdf settings
  set pdf_maxtable  500      1-10000

Python settings
  set python_exec   /usr/bin/python
  set python_userpath

RNG settings
  set rng           default   may be default, mt64, mt64s, or kiss32
  set rngstate      XAA000000000000000000000000000000...
  set rngstream     1         rng stream number

sort settings
  set sortmethod    default   may be default, fsort, or qsort
  fsort            current sort method
  set sortrngstate 1001XZA112210f4b16c1cb10507a1f38cb440c400...

Unicode settings
  set locale_ui     en_US
  set locale_functions en_US

```

Other settings

set type	float	may be float or double
set maxiter	300	max iterations for estimation commands
set searchdefault	all	may be local, net, or all
set varabbrev	on	
set emptycells	keep	may be keep or drop
set fvtrack	term	may be term or factor
set fvbase	on	
set processors	1	
set odbcmgr	iodbc	may be iodbc or unixodbc
set odbcdriver	unicode	may be unicode, ansi, or default
set fredkey		
set collect_double	on	
set dtascomplevel	1	dtas default compression level; 0-9
set reshape_favor	default	may be default, memory, or speed
set doeditbackup	on	

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
niceness	[D] memory
min_memory	[D] memory
max_memory	[D] memory
segmentsize	[D] memory
adosize	[P] sysdir
max_preservemem	[P] preserve

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
iterlog	[R] <i>set iter</i>
level	[R] level
clevel	[BAYES] <i>set clevel</i>
showbaselevels	[R] <i>set showbaselevels</i>
showemptycells	[R] <i>set showbaselevels</i>
showomitted	[R] <i>set showbaselevels</i>
fvlabel	[R] <i>set showbaselevels</i>
fwrap	[R] <i>set showbaselevels</i>
fwrapon	[R] <i>set showbaselevels</i>
lstretch	[R] <i>set</i>
cformat	[R] <i>set cformat</i>
pformat	[R] <i>set cformat</i>
sformat	[R] <i>set cformat</i>
coeftabresults	[R] <i>set</i>
dots	[R] <i>set</i>
logtype	[R] log
logmsg	[R] log
collect_label	[TABLES] <i>set collect_label</i>
collect_style	[TABLES] <i>set collect_style</i>
table_style	[TABLES] <i>set table_style</i>
etable_style	[TABLES] <i>set etable_style</i>
dtable_style	[TABLES] <i>set dtable_style</i>
tabulate_style	[TABLES] <i>set tabulate_style</i>
tabulate_comps	[TABLES] <i>set tabulate_style</i>
svy_tab_comps	[TABLES] <i>set tabulate_style</i>
collect_warn	[TABLES] <i>set collect_warn</i>
notifyuser	[R] <i>set</i>
playsnd	[R] <i>set</i>
include_bitmap	[R] <i>set</i>

Interface settings

Interface settings control how Stata's interface works.

For more information, see

```

dockable      [R] set
floatwindows  [R] set
locksplitters [R] set
    pinnable   [R] set
taskbargroups [R] set
doublebuffer   [R] set
revkeyboard   [R] set
varkeyboard   [R] set
smoothfonts   [R] set
    linegap    [R] set
scrollbufsize [R] set
    fastscroll [R] set
    reentries  [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
maxbezierpath [R] set

```

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**.

Java settings

Java settings control the Java Runtime Environment.

For more information, see [P] **Java utilities**.

LAPACK settings

LAPACK settings control the LAPACK and BLAS routines.

For more information, see [M-1] **LAPACK**.

putdocx settings

putdocx settings control how spacing is handled in blocks of text and the number of tables allowed.

For more information, see [RPT] **set docx** and [RPT] **putdocx table**.

putpdf settings

putpdf settings control the number of tables allowed.

For more information, see [RPT] **putpdf table**.

Python settings

Python settings control the version and search paths of Python.

For more information, see [P] **PyStata integration**.

RNG settings

The RNG settings set Stata's random-number generators.

For more information, see [R] **set rng**, [R] **set seed** (set `rngstate`), and [R] **set rngstream**.

sort settings

The sort settings affect `sort`, `gsort`, and other commands that use sorting as part of their computation.

For more information, see [P] **set sortmethod** and [P] **set sortrngstate**.

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] set iter
searchdefault	[R] search
varabbrev	[R] set
emptycells	[R] set
fvtrack	[R] set
fvbase	[R] set
processors	[R] set
kmp_blocktime	[R] set
odbcmgr	[D] odbc
odbcdriver	[D] odbc
haverdir	[D] import haver
fredkey	[D] import fred
collect_double	[TABLES] set collect_double
dtascomplevel	[R] set
reshape_favor	[D] reshape
doeditbackup	[R] set

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

Also see

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

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

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

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