### query — Display system parameters

#### Syntax

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

#### Description

`query` displays the settings of various Stata parameters.

#### 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
```

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#### 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`

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#### 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`
- `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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#### Formats

- `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
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>set coeftabresults</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set logtype</td>
<td>smcl</td>
<td>may be smcl or text</td>
</tr>
<tr>
<td>Interface settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>set dockable</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set dockingguides</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set floatwindows</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set locksplitters</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set pinnable</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set doublebuffer</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set linegap</td>
<td>1</td>
<td>pixels</td>
</tr>
<tr>
<td>set scrollbufsize</td>
<td>204800</td>
<td>characters</td>
</tr>
<tr>
<td>set fastscroll</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set varlabelpos</td>
<td>on</td>
<td>(not relevant)</td>
</tr>
<tr>
<td>set reventries</td>
<td>5000</td>
<td>lines</td>
</tr>
<tr>
<td>set maxdb</td>
<td>50</td>
<td>dialog boxes</td>
</tr>
<tr>
<td>Graphics settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>set graphics</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set autotabgraphs</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set scheme</td>
<td>s2color</td>
<td></td>
</tr>
<tr>
<td>set printcolor</td>
<td>automatic</td>
<td>may be automatic, asis, gs1, gs2, gs3</td>
</tr>
<tr>
<td>set copycolor</td>
<td>automatic</td>
<td>may be automatic, asis, gs1, gs2, gs3</td>
</tr>
<tr>
<td>Efficiency settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>set adosize</td>
<td>1000</td>
<td>kilobytes</td>
</tr>
<tr>
<td>Network settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>set checksum</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set timeout1</td>
<td>30</td>
<td>seconds</td>
</tr>
<tr>
<td>set timeout2</td>
<td>180</td>
<td>seconds</td>
</tr>
<tr>
<td>set httpproxy</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set httpproxyhost</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set httpproxypor</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>set httpproxyauth</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set httpproxyuser</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set httpproxypw</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>Update settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>set update_query</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set update_interval</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>set update_prompt</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>Trace (programming debugging) settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>set trace</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set tracedepth</td>
<td>32000</td>
<td></td>
</tr>
<tr>
<td>set traceexpand</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set tracesep</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set traceindent</td>
<td>on</td>
<td></td>
</tr>
<tr>
<td>set tracerumber</td>
<td>off</td>
<td></td>
</tr>
<tr>
<td>set tracehilite</td>
<td>off</td>
<td></td>
</tr>
</tbody>
</table>
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 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 logtype smcl` may be smcl or text
- `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

Interface settings
set revkeyboard on
set varkeyboard on
set smoothfonts on

set linegap 1 pixels
set scrollbufsize 204800 characters
set varlabelpos (not relevant)
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 on
set update_interval 7
set update_prompt on

Trace (programming debugging) settings
set trace off
set tracedepth 32000
set traceexpand on
set traceexpand on
set traceindent on
set trace_number 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 ldatabase;l mataado;l matafc; lmatagsem;l mataopt;
> 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 X075bcdi51f123bb5159a55e50022865700043e55
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
    errmsg [P] errmsg
    dp [D] format
    linesize [R] log
    pagesize [R] more
    level [R] level
    showbaselevels [R] set showbaselevels
    showemptycells [R] set showbaselevels
    showomitted [R] set showbaselevels
    fylabel [R] set showbaselevels
    fwrap [R] set showbaselevels
    fwwrapon [R] set showbaselevels
    cformat [R] set cformat
    pformat [R] set cformat
    sformat [R] set cformat
query — Display system parameters

```
coeftabresults [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

\begin{verbatim}
    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
\end{verbatim}

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