

Log, cmdlog, do-file, & profile.do in Stata

I. Log & cmdlog: how to log Stata sessions.

See *Getting Started with Stata manual*.

Either click the 'log' icon or File>Log>Begin, or type the commands.

```
. log using practice, replace      [or: append]
. cmdlog using practice, replace  [or: append]
```

The downloadable 'log2do2' turns logfiles into command files. You can also right-click the command window and 'Send to Do-file editor'.

Example of log and cmdlog:

Either click 'log' icon or File>Log>Begin, or type command for logfile:

```
. log using practice, replace      [or: append]
. cmdlog using practice, replace  [or: append]
```

Type the following (or whatever you prefer to type) in Stata's command window. (Be sure to type *, which tells Stata that you're typing a comment, but don't type . before commands, as Stata inserts . before each command in the results window.):

* I will practice logging my Stata session's commands and results.

```
. use hsb2, clear
. d
. su
. su math, d
. codebook race
. insp race
* I will now practice turning log and command log off and on.
. log off          [pause] (Alternative: click File>Log>Suspend)
. cmdlog off      [pause] (Must be typed for cmdlog)
. log on          (Alternative: click File>Log>Resume)
. cmdlog on
```

* I will now practice making wrap-around lines during a session. I will ///
now practice making wrap-around lines. I will now practice making ///
wrap-around lines. I will stop practicing wrap-around lines because ///
I am tired of this.

```
. d race ses
```

* I will stop logging the results and commands. I will stop logging the ///
results and commands.

```
. log close          [Alternative: click File>Log>Close]
. cmdlog close
```

```
. view practice.log           [Alternative: click File>Log>View]
. view practice.txt
```

[Note: You can use your word processor to select log or cmdlog from the Windows-Explorer folder, edit, save, and print, but always save in ASCII or Stata format.]

[See 'Getting Started with Stata' manual, Kohler/Kreuter, Hamilton, or Long/Freese on do-files.]

II. Do-file

[See 'Getting Started with Stata' manual, Kohler/Kreuter, Hamilton, or Long/Freese on do-files.]

```
. doedit           [or click 'doedit' icon; then type the following but don't type . before
                   commands]
```

```
* practice.do: this a practice do-file.  September 19, 2007.
```

```
. version 10.0      [or whatever version of Stata you're using]
. capture log close
. set more off
. log using wage, replace
. use hsb2, clear

. d
. su
. su math science, d
. tab female ses, col chi2
. hist math, norm
. gr box math
. hist science, norm
. gr box science
. scatter math science || qfit math science
. corr math science
. reg math science
. estso
. esttab using math.rtf, title("Math~Science") replace
. log close
. exit
```

[To view practice.do, type doed practice in the command window, or click the doed.]
Click to exit doed.]

[To run the do-file, type the following in the command window, or click
File>Do>practice]

```
. do practice
```

[To see the publication-style regression results table created by `esttab`, click on the blue link in the results window.]

III. Profile.do [see 'Getting Started with Stata', Hamilton, or Long/Freese on `profile.do`.]

Click File and go to `c:\data`

```
. mkdir c:\data\assignments
```

```
. mkdir c:\data\misc
```

```
. doedit          [or click 'doedit' icon; then type the following but don't type . before  
                  commands]
```

[You'll set `profile.do` so that Stata automatically allocates 32m to memory, sets `matsize` to 800, displays long sets of results without requiring that you click the spacebar, and begins at `c:\data`. You'll also set F1 to be a 'save, replace' shortcut key and F2 to be a 'compress' shortcut key so that Stata stores each variable efficiently. And you'll define a code to switch Stata to the folders `c:\data\assignments` and `c:\data\misc`]

* `profile.do`. September 2007.

```
version 10.0
```

```
set memory 32m, perm
```

```
set matsize 800, perm
```

```
set more off, perm
```

```
cd c:\data
```

```
global F1 = "save, replace"
```

```
global F2 = "compress"
```

```
program define assign
```

```
cd c:\data\assignments
```

```
end
```

```
assign
```

```
program define misc
```

```
cd c:\data\misc
```

```
end
```

```
misc
```

[Save as profile.do and save a backup copy. Exit and then re-start Stata. You should see *running C:\data\profile.do ...* in the results window, below a note concerning the amount of memory specified.]

```
. u hsb2, clear
. assign [switch to assignments folder]
. misc [switch to misc folder]
. gen scores=read+write+math+science+socst
. su scores, d
. hist scores, norm
. gr box scores
[click F2 to compress scores]
[If you click F1, you'll save the data set, including scores.]
```