

17.801  
Fall 1998  
STATA demonstration handout  
September 24, 1998

Files, etc. we will return to

I. Athena locker with data: `/mit/17.801/Examples`

A. To access the first time: (at the Athena prompt)

```
attach 17.801  
cd /mit/17.801/Examples
```

B. To access after you've typed the "attach" command:

```
cd /mit/17.801/Examples
```

II. Within the Athena locker with the examples are the following files that are used in lecture:

File	Description
<code>black_officials.dat</code>	Raw data file. The data are ordered as follows: state name, % black elected officials, % population African-American, dummy variable for southern state. The data are "free form"
<code>black_officials.do</code>	STATA "do" file that records the commands necessary to set up <code>black_officials.dat</code> for analysis
<code>black_officials.dta</code>	STATA "data" file that saves data in binary form for easy re-use
<code>black_officials_no_space.dat</code>	Raw data file. The data are ordered the same as in <code>black_officials.dat</code> , except they are in "fixed format". The numbers in parentheses indicate how many columns each variable takes up: state name (2), % black elected officials (4), % population African-American (4), dummy variable for southern state (1)
<code>black_officials_no_space.do</code>	STATA "do" file to set up <code>black_officials_no_space.do</code> for analysis.

### III. STATA commands I will be typing

```

1.  emacs /mit/17.801/Examples/black_officials.dat
2.  infile str2 state beo bpop south using black_officials.dat
3.  list
4.  mvdecode beo bpop, mv(-9)
5.  graph beo
6.  graph bpop
7.  graph beo bpop, box
8.  graph beo bpop
9.  graph beo bpop, s([state])
10. graph bpop beo bpop, c(1.) s(i0) sort
11. graph bpop beo bpop, c(1.) s(i[south]) sort
12. sort south
13. graph beo, box by(south)
14. gen diff=beo-bpop
15. gen diff_pct=diff/bpop
16. graph diff, box by(south)
17. graph diff_pct, box by(south)
18. ttest diff, by(south)
19. ttest diff_pct, by(south)
20. reg beo bpop
21. predict py
22. graph beo py bpop, s(0i) c(.1) sort
23. graph beo bpop by bpop, s(0ii) c(.11) sort xlabel ylabel
24. by south: reg beo bpop
25. save,replace
26. use
27. merge state using runoffs

```

Examples of slightly more complicated (but typical) data sets:

1. /mit/polidata/0004/darch97
2. /mit/polidata/6507/nes1994.dat