# Stata Session (9/9 , 9/12. 2011)

### For EPPS 7313 by Young Joon Oh

**Do you need a help?**

- *help, findit*

- *display*

**Log-file and Do-file**

- For *log*, File→Log →Begin. Make a file with *∗.log* extension and save it in the directory you can find it easily. That's all.

  At the end of this session, I'll show you what you did.

- For *Do*, Click *New Do − file Editor.* and Make a file with *.do extension and save it.

  If you want to write comments, use/ ∗ ∗/.

  I strongly recommend using DO-FILE all the time.

**Loading data**

- File →Open, *use* "c:\....\*.dta (or *.csv)" or *use* http://www.~~/*.dta (or *.csv)

  *use* http://www.ats.ucla.edu/stat/stata/webbooks/reg/crime.dta

  *sysuse* lifeexp

**What is in the data**

- Click *DataEditor*, you also can change the data.

  *describe*, *summarize*, *codebook*, *tabulate*, *list*

**Graphs**

- *histogram, graph twoway scatter, graph matrix*

**Generating and dropping variables**

- *generate, drop,replace*, and *if*

**Operational commands**

- +: add, − :subtract, ∗ : multiply,/ : divide, ˆ: raise to power

- & : And , / : Or, ˜ : Not

- $>, <, >=, <=$.

  If so, What is "EQUAL" ? and "NOT EQUAL" ?

## Exercise 1

Make "rich" variable, it will be dummy (rich =1, poor =0).

The criterion for deciding "rich" is mean of GNP per capita. If one's GNP per capita is above the mean, it is "rich". For convenience, use integer for the criterion.

And make two graphs for GNP per capita by "rich"

### Regression & Test

- I know most of you do not learn regression and test yet. Just understand how to use it.

- *ttest*, *regression*, *test*, *predict*

## Exercise 2

Run regression with DV : lexp, IV : gnppc

And make a graph for the regression model. It should include predicted value ( or regression line).

### CLOSE log and SAVE do-file

- Now, you can know how do-file and log-file are different.