Optional Exercises:

3.i. Descriptive graphs

Draw a graph that plots the per capita GDP against the population. Use different symbols and/or colors for different years. Make the graph look "publishable".

Export the graph in png format.

Try to transform the Freedomhouse data (http://www.freedomhouse.org/uploads/FIWAllScores.xls) in such a way that you can merge the data with the Penn World Tables. You will find the "`reshape`" command useful for this.

Use the information on democracies and nondemocracies and make a graph that plots with different symbols the population and the per capita gdp for countries that are not free, partially free and free.

Use the `collapse` command to form average cgdp for free, not free and partially free countries for each year and plot three lines in one graph one for each type of freedom with cgdp on the horizontal and time on the vertical axis.

3.ii. Regression

Download the PSID () data on 428 working and married women used by Mroz (1987) from Stata:

```
use http://www.stata.com/data/jwooldridge/eacsap/mroz
```

Run an OLS wage regression using the (log) wage as your dependent variable and choosing from the available data for your explanatory variables. Choose a preferred specification and comment on your results and your choice.