This homework assignment requires two data files. WDI_mini.xls and ir211data.xlsx, both of which are posted on my website. This homework can be completed in Excel, but you may alternatively complete it in either Stata or R for extra credit.

**Part A. Using our survey data (ir211data.xlsx)**

1. Pick a measure of central tendency (mean, median, or mode) to describe the ideology of respondents in our population. What is the (mean, median, or modal) ideology in our population?

2. Create a bar plot showing the frequency of each ideology score (i.e. 7 bars to correspond with the 7 possible values for ideology)
   a. This plot may be either color or grayscale, should have a legend (or have each bar labeled), should have an accurate title, and should have a meaningful and easy-to-interpret Y axis.

3. Pick a measure of central tendency (mean, median, or mode) for the “opinion” variable.
   a. Create a figure that graphically displays this measure of central tendency for the “Christian”, “Muslim”, and “Control” conditions.

**Part B: Using data from the world development indicators.**

1. Create a histogram of GDP per capita for 2012.
2. What is the median GDP per capita in this dataset in 2012? What is the mean GDP per capita in 2012? Why are these different?
3. Plot GDP per capita over time (1990-2012) for three different countries on the same figure. Label it clearly and make it easy to read and interpret.