Like Homework 5, his 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. State a hypothesis with regard to the effect of the treatment variable (the religion of the suspect) in our survey experiment.

2. State the null hypothesis that matches this hypothesis.

3. Conduct a difference of means test comparing the treatment group to the control (you can ignore the 3rd category to make your life easier).

4. Interpret these results in 1-3 sentences.

Part B: Using data from the world development indicators.

1. Create a scatterplot of GDP per capita and infant mortality for the year 2012.

2. Use excel (or Stata or R) to draw a best-fit line through this scatter plot.

3. Is the slope of this line positive or negative?

4. Report the correlation between GDP per capita and infant mortality for 2012.