ECON 5340 Applied Econometrics  
Homework #4  
Due: Tuesday, April 12, 2016

Find one cross-sectional and one time-series dataset from the internet or a textbook. The dataset cannot be one that we used in class or the one from your project. Then do the following:

- Provide a table with definitions and descriptive statistics for all the variables. The table and/or report should also provide all necessary information about the sample including number of observations, frequency of data, etc.

- Clearly specify the estimated model with the dependent and explanatory variables.

- Using the cross-sectional dataset, test for heteroscedasticity (Hd). Using the time-series dataset, test for autocorrelation (AC). For each, provide a graphical test and at least one formal test.

- Estimate your model with OLS using regular and robust standard errors.

- Using your tests as a guide, propose a model for Hd or AC.

- Perform feasible GLS in Stata.

- Summarize your results in a convenient table and discuss the results.