Applied Quantitative Analysis II

Spring 2020

Lab assignment I

Due before Feb 6th 6:30 pm

Send your answer in a single pdf and code file(s) to gz579@nyu.edu or upload on NYU Class.

Basic questions:

1. Derive the OLS estimator β_{OLS}, assuming all necessary assumptions held.
2. Review how odds ratios can be transformed to probabilities, and vice versa.
3. Briefly describe a research question that interests you, including the dependent, independent variables if possible.

Bonus question:

Download the GSS data from https://gss.norc.org/, replicate one of any graphs we showed in the lecture or lab, with any **other variables** you are interested in. Try your best to describe the graph. Refer to the stata codes we posted if you get stuck. (Could be as simple as a yearly trend or as complex as something that involves regression estimates)