Homework 1:
Quantitative Research Methods
OLS Replication

Due before class Monday, March 7, 2022

Please note that there are **TWO DEADLINES**. The first is to find an article that runs an OLS (you only need to focus on one of the models of the paper), and find the replication data. I expect you to all come to class **Monday, February 28, 2022** with the article and data. We will discuss (likely in smaller groups) the content of the article and the argument being tested by the OLS.

The second deadline is **Monday, March 7, 2022**. For the second deadline, you need to submit `R` code that replicates the OLS and tests the Gauss-Markov assumptions. Note anything that seems problematic or violates the assumptions. If there is such a violation, discuss in comments (and preferably actually implement) extensions or fixes to the problem(s). Discuss why the violations may be problematic. If you find no evidence of problems, focus the discussion on what may be problematic if violations did exist.

You will not be graded on whether or not you find evidence of deviations from the assumptions, nor will you be graded on the quality of the model you choose. Simply submit on Blackboard commented code addressing the questions and replicating the analysis. You may use `R` code provided by the author(s) for the replication, but you must go beyond and perform tests that the author(s) overlooked or did not report.

If you do not have a great sense of where to look for replication materials, I strongly

suggest you familiarize yourself with Harvard Dataverse.