The following exercise uses the data and models from Mini-Projects #1 & #2.

- Summarize the basic assumptions of OLS regression & for each assumption provide an example of what can go wrong.
- Briefly discuss what **multicollinearity** is, what the indicators of multicollinearity are, what problems it causes, and under what circumstances it doesn’t represent a problem. (Recall that small sample size is another cause of problems with standard errors.)
- Using your best model for Mini-Project #2, carry out and report the diagnostics for OLS regression:
  - Functional specification
  - Normality of residuals
  - Non-constant variance
  - Outliers/influence
  - Multicollinearity
- For the final model, test the assumption of equality of slope coefficients by examining interactions.
- Conclude by presenting your best model in publication format via `outreg`. Make sure that the format conforms to that of a first-tier sociology journal (*American Sociological Review, American Journal of Sociology, or Social Forces*).
- Attach your `cmdlog`, which must indicate that you used `log` to document your results.