

Homework 4

SOCI 502B: Graduate Statistics (Fall 2017)

10 points

Due: December 13, 2017

Overview:

In this assignment, you'll be completing 1 problem using SPSS (or R). This problem covers topics from Chapter 7 in your textbook.

Problem 1 (*Correlation r*)

- Using the GSS 2014 data set (`GSS2014_final`)¹, report the means and standard deviations of “political (conservative) views” (`polviews`) and people’s belief that the it is an important right for citizens to engage in civil disobedience when they oppose government actions (`oppsegov`)².
 - `polviews` and `oppsegov` should be changed to scale measures
- Display a scatterplot, and include a fit line, for “political (conservative) views” (`polviews`) and the importance of civil disobedience as a right (`oppsegov`).
- What is the value of the r coefficient?
- Correctly and fully report and interpret the r coefficient (using the example from our lecture slides, including the r value, the degrees of freedom, and the p-value).
- Report the r^2 coefficient and interpret it.

¹For SPSS, use `GSS2014_final.sav`. For R, use the R script and `GSS2014_final.csv`

²Higher scores indicate that people believe civil disobedience against the government is a very important right (e.g. must be protected)