

# Homework 5

## SOCI 303: Statistics for the Social Sciences (Spring 2017)

10 points

Due: May 19, 2017

### Overview:

In this assignment, you'll be completing a problem using R. This problem covers topics from Chapters 13 in your textbook. **Remember to append/copy and paste your R script as the final page of this assignment** (as a new page).

### Problem 4 (*Correlation*)

- What level of measurement must the independent variable be for correlation?
- What level of measurement must the dependent variable be for correlation?
- Using the `surveys` data set in R (from the `MASS` package), report the correlation coefficient ( $r$ ) for the relationship between (`Age`) and (`Height`).
- What is the strength and the direction of the relationship?
- Fully/correctly report and interpret the correlation.