

**Data Science**  
**HW3**  
**Total: 20 points**  
**Due: January 25<sup>th</sup>, 2019, NOON**

1. In your own words, specify the research question(s) (2 sentences or less) for Study 1 & 2 [4]
2. Include and explain IVs, DVs for Study 1 & 2. [4]
3. R section (please complete the following and **include your script and outputs** as in-line text below)
  - a. Reproduce Study 1 findings (ANOVAs, t-tests; include partial eta-squared values). Also *identify and explain* the ANOVAs used (e.g. factorial 2x5, one-way, etc.). [6; bonus 1 pt for plot]
  - b. Reproduce Study 2 findings (ANOVAs, include partial eta-squared values). Also *identify and explain* the ANOVAs used. [6; bonus 1 pt for plot]