

**Data Science**  
**HW4**  
**Total: 20 points**  
**Due: February 1<sup>st</sup>, 2019, NOON**

1. In your own words, specify the research question(s) (2 sentences or less) [4]
2. Include and explain IVs, DVs. [4]
3. R section (please complete the following and **include your script and outputs** as in-line text below)
  - a. *Consumption* Repeated Measures ANOVA + etasquared [4]
    - i. Identify the type of rm ANOVA and explain why this was an appropriate method to analyze the data [1]
    - ii. The authors found a significant interaction: report this result in your own words [1]
  - b. *Scale Ratings* Repeated Measures ANOVA + etasquared [4]
    - i. Identify the type of rm ANOVA and explain why this was an appropriate method to analyze the data [1]
    - ii. The authors found a significant interaction: report this result in your own words [1]