

MAPS 31702
Data Science Week 1 Assignment
Total: 20 points
Due: Jan 11th, 2019, 12pm

1. In your own words, specify the research question(s) (2 sentences or less). [2]
2. What's the design of the experiment? Include and explain IVs, DVs. If there is more than one experiment, please specify variables for each experiment. [4]
3. What methods did you use to analyze the data? And why? (e.g. if t-test, specify type of t-test) [4]
4. Include your R script as a text file. (Optional: present plot or diagram as shown in paper if present) [10]

Bicycle data: (a) Association between helmet vs. cap with higher risk-taking scores; (b) Helmet vs. cap with sensation seeking scores; (c) Higher risk-taking scores between genders

[be sure to report means, SDs, t-test values and p values]