

1. Find some real-world data and perform any type of ANOVA on it. Write your work up as if you were presenting it to a team at a workplace of varying backgrounds. Due 4-18
2. What is the relationship between ANOVA and linear regression? How closely related are they? When should you use one over the other? Due 4-16. Note that the reading for the date of this due date is about regression.
3. Show, using R that the t -test and ANOVA produce the same result when there are only two groups from one independent variable. Due 4-20.
4. See the file on Canvas called "robustness_of_ANOVA.rmd". Due 4-23
5. Find at least two substantial datasets that you are interested in analyzing by Thursday, May 9th. At least one of the techniques we've learned or will learn should be able to be applied to the dataset (not necessarily well). We will use these datasets as our examples and will apply model selection to them.