Jennifer Baez MARS- HW\_11

## Generalized Linear Models in R

Several topics were discussed in this lecture, some that I was not familiar with included how to do specific tests based on the number and combination of variables. For example data with 1 independent variable and 2 levels (independent groups) with categorical dependent variables requires a Chi-square test, this helps determine what kind of statistical analysis should be done on data. Quantile -quantile plots and homo\heteroscedasticity to determine normality, skew, and residuals is useful to determine results particularly when dealing with ANOVAs. Coding in R studios and performing stats by ANOVA has insisted a lot of curiosity since it is widely used in ag research and something I was only familiar with at the surface level, actually working with data and approving or disproving of the null hypothesis as part of exercises brought a lot more understanding between the statistics portion of the lecture and the coding. I am more confident on using R to plot multiple kinds of regressions and distributions.