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### STT 180 Rationale and Plan

### We have chosen to work on NCAA football data for our project. During this process, we hope to address which qualities of a particular football team leads to positive results for that team. Correlations between defensive, offensive and special team stats hopefully be apparent and good conclusions can be based off of them. Aside from learning how the game is actually played, we hope to gain a deeper insight into the sport. Human eyes are capable of good data analysis, but computing this data with R will hopefully help us learn about the inner mechanics of the game that aren’t very apparent without such computation. In order to accomplish this, we will use many functions from both the dplyr and tidyverse libraries, including ggplot(), select(), mutate(), and countless others. For our project, there doesn’t seem to be a lot of columns in the dataset, leaving us wondering if we’ll have enough to make a good analysis/conclusion. We could always find more data, but that leaves us with potentially having differing sets of data that don’t agree with each other. Regarding communication, we have set up a github repository for this project, allowing us to freely collaborate whether or not we decided to zoom that day. This took a little bit of time installing and setting up, but now that it is we are confident in our ability to complete this project while maintaining a proper social distance.