In our SOC-346 statistics for the social studies class, we dove into eleven topics revolving around statistics that can be applied to sociology. The eleven topics were entering and downloading data into SPSS and R-Studio, recoding data in spss and R-Studio, measures of central tendency, measures of variability, z-scores and probability, confidence intervals, T-tests, analysis of variance, chi-squared tests, Pearson's correlation, and regression. We learned all of these skills throughout the semester and entered our notes, practice, problems, explanations, and walkthroughs in both SPSS and R-Studio into a statistics manual for the future. This class not only taught us great statistics skills and how to apply them to real-world case studies but also provided us with a manual to be able to recreate this work in the future. In SOC-346 we took the data we gathered from the previous semester measuring parent involvement and parent's socioeconomic status and ran the data through each of the statistical formulas previously stated to see if the data were significant and to understand further what the numbers we gathered meant. Throughout the course, there were times of great confusion however the way the class was taught as well as the extremely useful manual we put together gave us all of the resources we needed to complete these various statistical analyses as well as how to do it again in the future. Overall I learned how to gather data in a case study as well as how to properly analyze the data through various statistical methods.