**STAT 301 Grading Rubrics**

**To receive a satisfactory score of the group project, please consider the following check list:**

1. Introduce the chosen variables including their meaning and type (6pts)
2. Clearly stated the two research questions that you will address using your data (6pts)
3. Clearly and correctly state all of the null and alternative hypotheses(6pts)
4. Correctly choose an appropriate test (5pts)
5. Clearly and correctly state the reasoning for choosing the appropriate test (6pts)
6. Clearly and correctly explain the data processing (any data filtering, removing, and cleaning) (5pts)
7. Provide all of the correct test statistics (6pts)
8. Provide all of the correct p-values (6pts)
9. Clearly and correctly give the decisions based on the p-value and a significance level of 0.05 and give the interpretation of decisions in terms of the context (7pts)
10. Provide clear and reasonable discussion on the limitations of the analysis (6pts)
11. Provide clear and reasonable discussion on anything interesting or surprising (5pts)
12. Provide at least one appropriate graph **and** at least one appropriate table to help showing the conclusions; Clearly label your axes and title of the graph and the title of the table (8pts)
13. Are the spelling, grammar, punctuation and writing format correct (5pts)
14. Is there an overall consistency to the report? (5pts)
15. Does the paper have the correct structure (Title, Introduction, Methods, and Conclusion)? (5pts)
16. GitHub repository (5pts)
17. Peer evaluation (8pts)