Stat 505: Project 1 Rubric

All items are graded with the following scheme, but certain components have multipliers:

1. **No Credit**: Criterion was not addressed or was written in a way that was not understandable.

2. **Beginning**: Ideas are not clear and supporting ideas are not presented.

3. **Developing**: Ideas are identified but not well supported and developed or are minimally supported and developed.

4. **Advanced**: Ideas are clearly identified and are adequately supported and developed.

Report generalities: (/20 points)

- Spelling, grammar, writing clarity
- Paragraphs, section labels, length: double spaced, Figures (reporting and labeling) included in text, Tables, if any, (reporting and labeling) included in text
- Acknowledgments for other resources, Appendix with complete code, Citations for papers and packages used
- Proper use of statistical methods (x2)

1. Introduction: (/12 points)

- Project opening
- Project background
- Project challenge (Research question)

2. Data: (/20 points)

- Description of variables with units
- Data Visualization: Content
- Data Visualization: Quality
- Data Visualization: Labels, titles, captions
- Comments on any interesting findings

3. Statistical Procedures:(/20 points)

- Describe model to fit
- Justification of model choice
- Discuss/assess model assumptions (X3)

4. Results: (/16 points)

- Uncertainty intervals and interpretations for coefficients relevant to the chosen claim
- Plot of the fitted model that is appropriate for investigating the chosen claim
- Answer to whether there is statistical evidence for the chosen claim based on these data
- Scope of Inference: how can the results be generalized?