STAA556: Report

- Reports should be **8 pages or less** (not including references and appendix/R code).
- Please use a reasonable font size (≥11 pt).
- A student pair will submit a single report. Please submit just once under either student's name.
- See Canvas calendar for due date.
- Include the following section headers in your report.

Title and Author(s)
- Please include your personal email address if you are willing to be contacted by the client after the course ends.

Abstract (4 pts)
- Less than 500 words.
- Background, objectives, study design.
- Methods and results.

Introduction (4 pts)
- Provide relevant context and background information.
- Discuss study objectives.
- Explain the study design.
- Include other details as needed.

Summary Statistics (4 pts)
- Information in this section is before model fitting (which is in next section).
- Relevant graph and/or table that provides first pass information about research questions.
- Be creative in representing the data, but be minimal.

Statistical Methods (10 pts)
- Description/discussion of analysis with enough detail that someone else could recreate your results.
- Methods should be appropriate to the research questions, design and variables of interest.
- OK to try a few different approaches.
- Models should be described in words. Code should only appear in the appendix.
- Discuss model assumptions or this can be covered in the next section.

Limitations and Alternatives (2 pts)
- Focus on analysis limitations and alternatives.
- If appropriate, can also mention limitations of study design.

Results and Conclusions (10 pts)
- Appropriate results considering methods and research questions.
- Be selective in showing and organizing critical results, while suppressing unnecessary output.
- Interpretation and discussion (even if nothing is "significant"!)
- Relate statistical conclusions in the context of the study. Respond to research questions.

Authors' Statements (if working in pairs)

References
- Not required, but recommended.
- No specific works cited format required, only consistency.

Appendix
- Code is required, but will not be assigned a specific grade.
- I will check congruency of R code vs written description of analysis.

Overall Style/Organization (6 pts)
- **8 pages or less** (not including references and appendix/code).
- Concise, coherent, and proper grammar
- Legible and properly labeled figures and tables
- Appropriate narrative to accompany plots and tables
- Organized in a way such that a scientist (non-statistician) can easily follow and understand
- R code should NOT be included in main body of the report
- While some tables and results can be "copied" from output, the reader should not have to sift through superfluous output. In many cases, "less is more".
- Proper inclusion of References and Appendix.