STAT 753 Final Project
Spring 2020

Timeline:

- Send me a brief description of what you plan to work on for your final project by Friday April 2. Email to drschmidt@unr.edu: a short paragraph with basic ideas and main question of study.
- Set up a time to chat with me about your progress by Monday April 27.
- Choose someone in class to share your rough draft with during the week of April 27. Give feedback to your partner by Friday April 30.
- Each student will give a short (5-10 minute) virtual presentation about their project during our normal final exam time: Tuesday May 12, 9:50-11:50AM. You will need to make 2-4 slides and share your screen while giving your presentation.
- Written final project is due on May 12 (anytime).

Guidelines for written final project:

- The project should be presented like a mini-paper: well-written and readable with relevant figures and associated R code. Please use R Markdown, LaTeX or MS Word (strong preference for R Markdown) to compose your paper.
- There is no page requirement, but please be concise and to the point. Don't skip over too much detail, but it doesn't need to be unnecessarily long.
- Begin with an introduction to the relevant background and motivating question(s) you aim to answer, the model and key assumptions, the results of your analysis, then (importantly) a discussion of those results in the context of the motivating question.
- Below is a suggested outline for how to structure your paper. Abstract, Acknowledgements and Appendices are optional.

Project Title

Name

May 12, 2020

Abstract

Include a brief summary -- write this once the rest of the paper is mostly written.

1 Introduction

Describe the key details a reader needs to understand the context of your goal/question. This should only take a few short paragraphs in most cases.

1.1 Goal/Question

This is the foundation of your project: the motivation for your analyses and the context for interpreting and evaluating your results.

2 Methods

Describe how you will answer your question or otherwise achieve your goals. Describe your model and detail how you plan to analyze it.

3 Results

Present your mathematical/statistical results, and perhaps give highlights of the steps taken to achieve them. It helps to tell a good story. Don't just fill this section with a step-by-step mathematical derivations.

4 Discussion

Answer your question by discussing how the results address your motivating question(s), or otherwise interpret your results in the context of your motivating goal(s)/question(s).

Acknowledgements
If anyone helped you along the way, recognize them here.

References

(Format these according to your preferred style. I only require that the information be sufficient for me to quickly find the referenced works if I went looking for them. DOIs are very useful to include, but not required.)

Appendices

Any technical details you want to include, but were not necessary to put into the main text (e.g., the routine steps of an analysis can go here if you wanted to skip to the punchline in the writeup).