Project Report Instructions
BSTA 512/612

- The report will be written in RMarkdown. Turn in both the Rmd and html files.

  - Make sure the html file includes a table of contents

- The report should be 2000-3000 words long
- This is a separate file from the analyses file

  - Note: you can save tables and figures in the analyses file and then load them in the report

    * Save R objects in analyses file:

      · Suppose you named the Table 1 as table1
      · save(table1, file = "table1.Rdata")

    * Load R objects in report file: • load(file = "table1.Rdata")

Sections

Introduction

- Length: 1-2 paragraphs
- Introduce the research question and why it is important to study
- This section is non-technical. By reading just the introduction and conclusion, someone without a technical background should have an idea of what they study was about, why it is important, and what the main results are

Statistical Methods

- Length: at least 3 paragraphs
- Describe the analyses that were conducted and methods used to select variables and check diagnostics.
- This includes a description of analyses for Table 1 and what statistics were used to summarize the variables

Results

- Length: at least 3 paragraphs
- Include a brief description of the sample's characteristics
- Interpret the model coefficients in the context of the research question.
- Tables & figures

    - Table 1 summarizing participant characteristics both overall and stratified by your primary independent variable
    - Table 2 with regression results

        * Can also be a forest plot
    - 1-3 figures that you think are helpful in understanding the results

Discussion

- Length: 2-3 paragraphs
- Discuss the results. See the paper cited above as an example.
- Include a paragraph on the limitations of the results

Conclusion

- Length: 1 paragraph
- Describe the main conclusions to a non-technical audience

References

- If you cited any papers or websites, include their references here.
- Note: it is not required to do a literature search