LLO8200 Data Science, Spring 2021: Final Projects

Presentations:

- We will do in-class presentations the last two weeks of class. EVERYONE should come prepared to ask questions of the presenters. Please let me know your group's preferred date for a 20-minute presentation (presentation should take 10-15 minutes; the rest will be for questions).
    - If the class does not have questions, I will... so do your classmates a favor and come with questions. I will expect EVERY group member to present - so figure out who is presenting what. No one-person shows here!
    - I will also expect an actual presentation (PPT, Prezi, whatever format you prefer, but it should be engaging for the class).
- The presentation should include:
    - An articulation of the problem in practice (or at least a general intro to the phenomena you studied)
        - This can/should include any references to pertinent literature - I am not talking about a full-blown literature review, but something that grounds your work in reality
    - A clear presentation of research question(s)
    - Descriptive statistics (visuals)
        - univariate, bivariate - introduce your data so that the class knows what you had available to you and what the data "looks" like
    - Analytical plan (did you run a regression? maybe an ANOVA?). How did you validate your model?
    - Findings/key takeaways
    - Limitations and next steps

Final Report

- Following the same general guidelines as the presentation above, you will need to turn in...
    - An .Rmd file that can be knit to a PDF that has some text (a few paragraphs for the intro/etc.), your code for visuals, etc.
        - If you want to share your cleaning code, you can give that to me in a separate .Rmd file -- just label it "cleaning" -- or you can include it in the main .Rmd file (just use section headings so that it's clear what is what).
    - Each group only needs to submit one final product. I would prefer these emailed to me by the due date. The email should include:
        - Your final presentation.
        - Your .Rmd write-up
        - Your knit file from your .Rmd (html or PDF, please – no Word docs)
        - Any additional code files you want me to see.

I will upload examples to the course website. Please reach out with questions.