Final Data Project Rubric

SOC 225: Summer 2024

Overview

This assignment can be thought of as a compilation of all Lab assignments without guidance. You will find a data source, present an interesting question, and produce a visualization and exploratory analysis aimed at answering interesting questions you may have. You have a lot of leeway on this assignment to find a topic that interests you. Data sources will receive sign-off from me via submitting them on Canvas with your questions of interest. On the last day of class, you will present a brief overview of your data and what you learned in a 5-minute presentation. A rubric will be provided for this assignment and available on Canvas. Submissions for this assignment will be the code used to conduct your analysis and the presentation slides. There are no late submissions for this assignment.

Deliverables

- Well-documented .R file showcasing your data preparation, analysis, and creation of visualizations.
- Data file used in the analysis (.csv, .xlsx, .rdata).
- Slides presented in class.

Before You Start***

Please submit a response to the Canvas assignment 'Data Project Idea Pitch' with the topic you are interested in presenting on, where you intend to get your data (or if you are unsure), and what questions you hope to speak to using your project. I'm not expecting a ready-to-publish academic article; keep it manageable given the time remaining in the course and ask for guidance if you run into additional articles. I will sign off on the project idea in the comments section of Canvas.

Grading

Your effort will be judged on four key aspects worth 10 points each. These aspects are as follows:

- Code: The submitted .R file for your project. Does everything run as intended?
- Output: Do the visualizations you made make sense? Are your output values correct?
- Presentation: Were you able to succinctly describe your project in class?
- Interpretation: Did you answer the questions you asked? What are the next steps?

A scoring rubric is provided below. As a reminder, there are no late submissions for this assignment.

Rubric

Category	Excellent (9-10)	Good (7-8)	Satisfactory (5-6)	Needs Improvement (0-4)
Code	Code is well-written, efficient, and thoroughly documented. Proper use of functions, variables, and libraries.	Code is mostly well-written with minor inefficiencies or missing documentation. Proper use of most functions and libraries.	Code runs correctly but has several inefficiencies or lacks sufficient documentation. Adequate use of functions and libraries.	Code is poorly written, inefficient, or lacks documentation. Incorrect use of functions and libraries. Does not run correctly.
Output	Output is accurate, comprehensive, and directly relevant to the research questions. Data visualizations are clear and effectively communicate insights.	Output is mostly accurate and relevant, with minor issues. Data visualizations are clear but may miss some insights.	Output is somewhat accurate but may contain significant errors or omissions. Data visualizations are present but not entirely effective.	Output is inaccurate, incomplete, or irrelevant to the research questions. Data visualizations are missing or ineffective.
Presentation	The presentation is clear, concise, and well-organized. Effectively communicates key findings and insights. Slides are visually appealing and informative.	The presentation is clear and well-organized with minor issues. Communicates key findings adequately. Slides are mostly appealing and informative.	The presentation is somewhat clear but lacks organization. Communicates some key findings but misses others. Slides are somewhat appealing and informative.	The presentation is unclear, disorganized, or fails to communicate key findings. Slides are unappealing or lack information.
Interpretation	Interpretations are insightful, well-reasoned, and thoroughly connected to the data and visualizations. Demonstrates a deep understanding of the topic.	Interpretations are mostly insightful and well-reasoned with minor gaps. Shows a good understanding of the topic.	Interpretations are somewhat insightful but may lack depth or reasoning. Shows an adequate understanding of the topic.	Interpretations are superficial, poorly reasoned, or disconnected from the data and visualizations. Shows a limited understanding of the topic.