

Final Project: Analysis and Discoveries on your chosen dataset

Project Description: In this final project, you will analyze your chosen dataset, and describe your discoveries about the story of the data and potential action steps. The project is divided into three main components: a technical report and an in-class presentation.

Part 1: Technical Report

Project Description: In this phase, you will create an exhaustive report that shows all work, description of the work, and any insights. Create this report as if you were giving it to your supervisor for detailed review.

Technical Report Guidelines:

- **Abstract (0.5 - 1 page):** Begin with an abstract that summarizes the project's purpose, methodology, key findings, and proposed next steps.
- **Body of the Report (However long is needed to present the information):**
 - **Description of What Was Done:** Provide a detailed description of the methods used, including data collection and analysis techniques.
 - **The Actual Work:** Present the actual work conducted, showing the R code or excel functions along with the visualizations produced.
 - **Insights Gained:** Discuss the insights gained from the project.
- **Ending Paragraph:** Conclude the technical report by summarizing the project and proposing next steps.

Part 2: In-Class Presentation

Project Description: You will present your project findings and proposed solutions in an 8-10 minute in-class presentation using visual aids as if you were presenting your report to key stakeholders.

Presentation Guidelines:

- **Introduction**
- Introduce the project and its significance.
- **Methodology**
- Describe the data cleanup and analysis methods used.
- **Insights**
- Highlight the main insights gained from the project.
- **Conclusion**
- Summarize the project's findings and any next steps.
- **Q&A (not a part of your 8-10 minutes)**

- Open the floor for questions and discussions.

Prepare visual aids, such as slides with charts and graphs, to support your presentation.

Rehearse your presentation to ensure it fits within the 8-10-minute time frame. Each student will present individually.

Grading Criteria: You will be evaluated on the quality of your technical report, and the effectiveness of your in-class presentation. Emphasize the importance of data accuracy, critical analysis, and descriptive insights.

Good luck with your final project, and feel free to reach out for assistance or clarification during the project's progress.