

Project Deliverable 2

BA 820

- **EDA:** Dive into your dataset as we did in class. Identify attributes, outliers, and any preprocessing needs. Document your observations for future analysis.
- **Pre-processing:** Clean and prepare your data to ensure it's in the right format for analysis. This includes handling outliers, missing values, and encoding categorical variables.
- **Analysis Plan:** Clearly outline your objectives and the methods you plan to use. Justify your choices based on the dataset and your goals.
- **Preliminary Results:** Present initial findings for one or two objectives. Define metrics for evaluating these results, explaining why they indicate success or areas for improvement. Detail your approach for finding optimal values for any necessary hyper-parameters, including sensitivity analysis.
- **Next Steps:** Adjust your analysis based on findings. This process is flexible, allowing for refinement as your work progresses. Aim for a level of detail comparable to class examples.
- **Coding Contribution:** Ensure that each team member contributes at least 10% to the coding part of the project, but no more than 60% to maintain a balanced workload and to demonstrate teamwork. Include a document for contributions that details each member's involvement in the project. This document should be transparent and fair, reflecting the collaborative effort of the team.
- **GitHub Project:** Set up a GitHub project for your work. This platform will help in version control and in tracking each member's contributions. Within this GitHub project, utilize the 'Projects' feature to create a Kanban board or a similar tool to manage and document the workflow, tasks, and progress.

For Project Deliverable 2, include:

- A 2-page report summarizing exploratory and preliminary analysis. Supplement with an appendix for tables and figures.
 - Font Type:** Times New Roman
 - Font Size:** 12-point
 - Margins:** 1 inch on all sides
- A Python (.ipynb) notebook with detailed code, comments, and analysis.
- Link to GitHub Project & Contribution Sheet

Rubric

Category	Weight
Data Preparation	3
Analysis Plan	1.5
Preliminary Results	2.5
Next Steps	1
Coding Contribution	1
GitHub Project	1
Total	10

Note: The peer-to-peer evaluation will constitute 20% of the overall grade for your project.