MCS 7103: Machine Learning
Assignment 1: Exploratory Data Analysis Process

Based on last week's lecture, your assignment is to perform Exploratory Data Analysis Process (DAP) on your dataset and write a report that is at least 3 pages long. You can write as many pages as you need. The report needs to be clear and follow a step-by-step process.

1. Present your question before and after, then the answers. The answers can be before the next step (Data Wrangling), every process or after the full process. **The question that helped you select the dataset should differ from the questions you are using for the rest of the process. I have general questions to guide you through your analysis.**
2. Perform in-depth data wrangling.
3. Provide a well-detailed Exploratory Data Analysis (EDA).
4. Draw some conclusions based on the performed EDA.
5. Communicate the findings in a detailed report.

If you don't have one, you must create a GitHub account and a public repository to upload your code. Everything in your report should be visible in the code. In addition to the code, add the report to the repository as well.

Please provide your name, registration number, and GitHub repository in this Excel sheet.

The assignment deadline is next Wednesday, the 11th, midnight(00:00). Keep this in mind, don't wait for the final day, the assignment is not not easy.

Note: Please refrain from using AI-generated text as it can be identified.