Execution steps for Stage 1

* I started by importing necessary libraries for data manipulation, visualization and plotting.
* Next, read the dataset into a Data frame from a CSV file.
* After that, I showed the initial rows to have a quick look at its structure.
* I also checked for incomplete or missing data by counting the missing values in each column.
* Then I created a heatmap to see where the missing values are.
* Using mean imputation, I filled in missing values.
* I also verified that the missing data has been addressed.
* After that, for the analysis, I converted categorical data into numerical format.
* To ensure data uniqueness, I eliminated duplicate rows.
* I checked and adjusted data types to ensure they are correct for analysis.
* Finally, I saved the cleaned Data Frame to a new CSV file for future use.