Wireframe Document

Heart Disease Diagnostic Analysis

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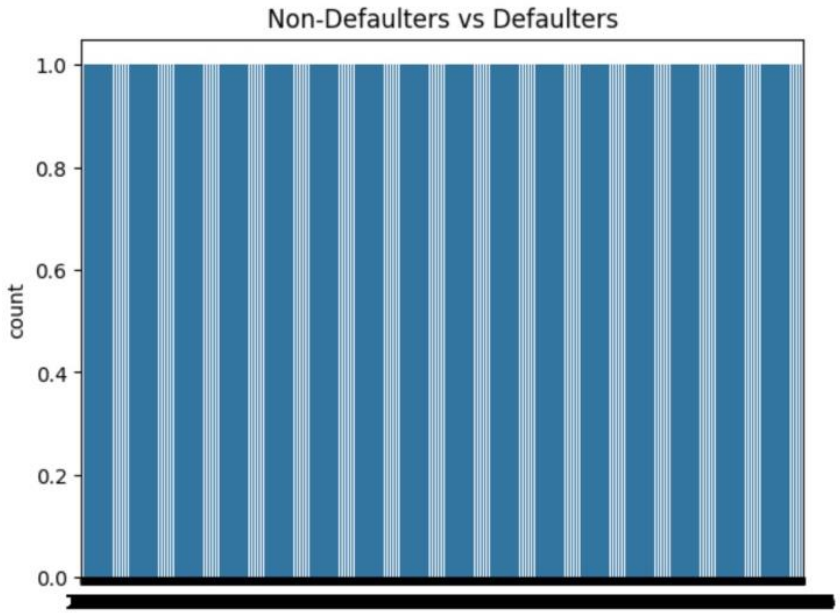
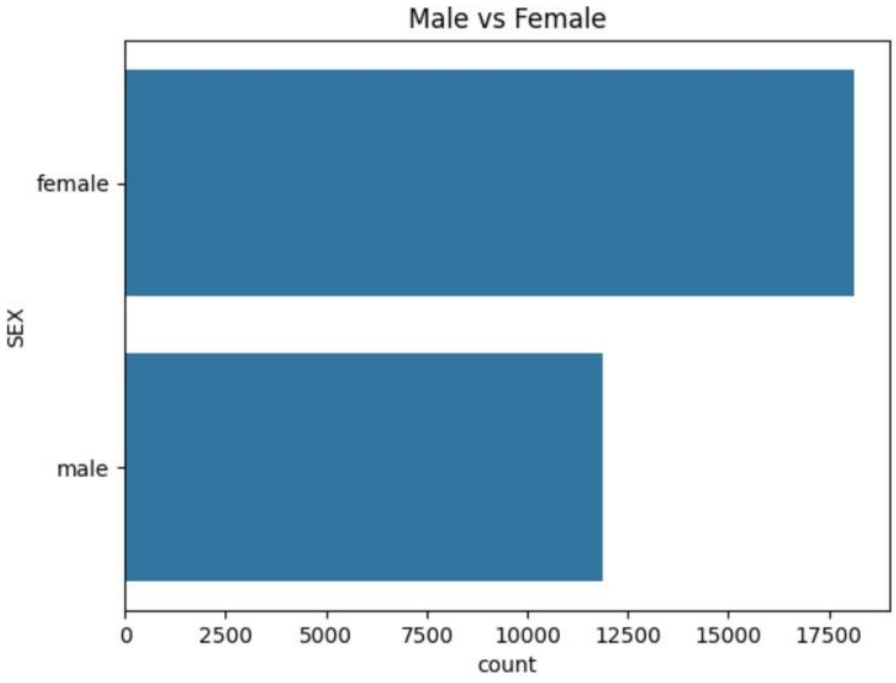
Document Control

Date	Version	Description	Author
21/01/2024	1.0	Introduction, Problem Statement	Ahamed Ajas S Afrin S
21/01/2024	1.1	Dataset Information, Architecture Description	Ahamed Ajas S Afrin S
21/01/2024	1.2	Final Revision	M

We Performed Exploratory Data Analysis on Jupyter Notebook and then created a Power BI Desktop Dashboard.

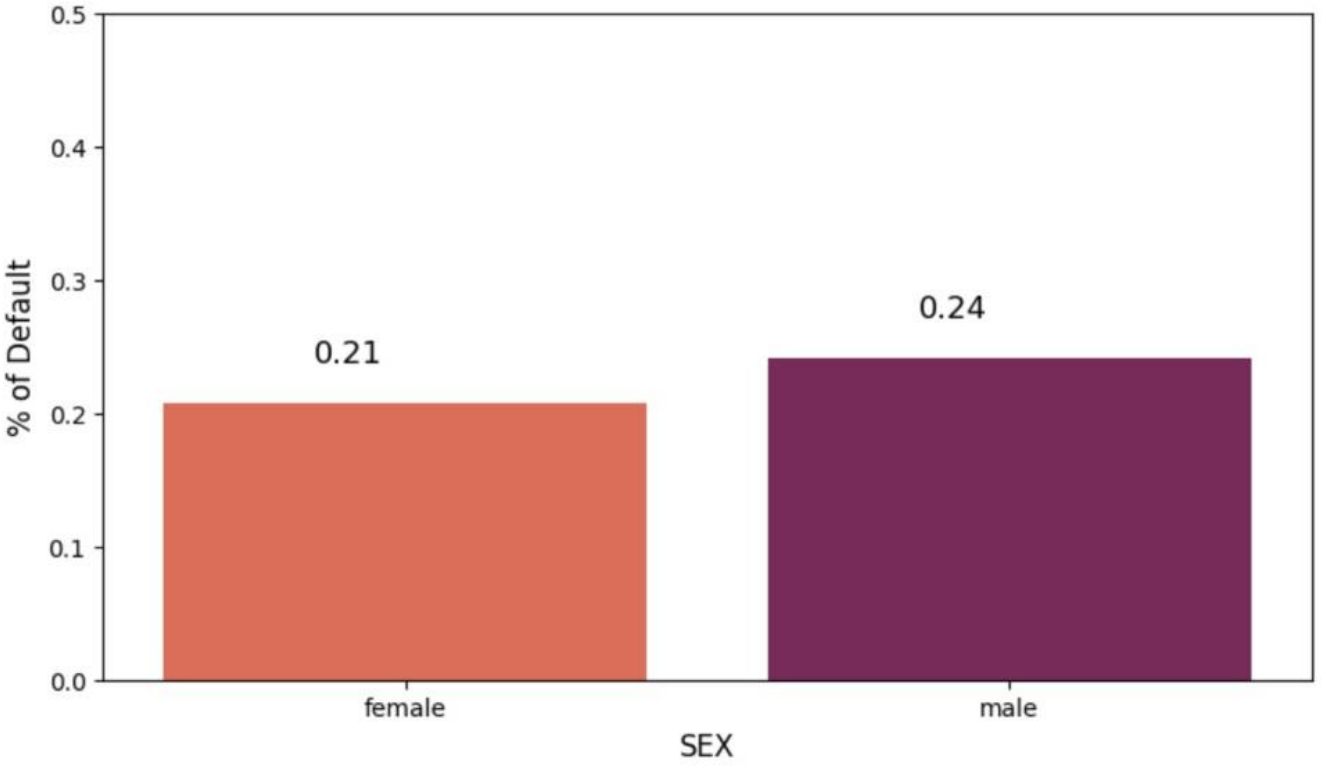
1. **What Kind of Population do we have?**

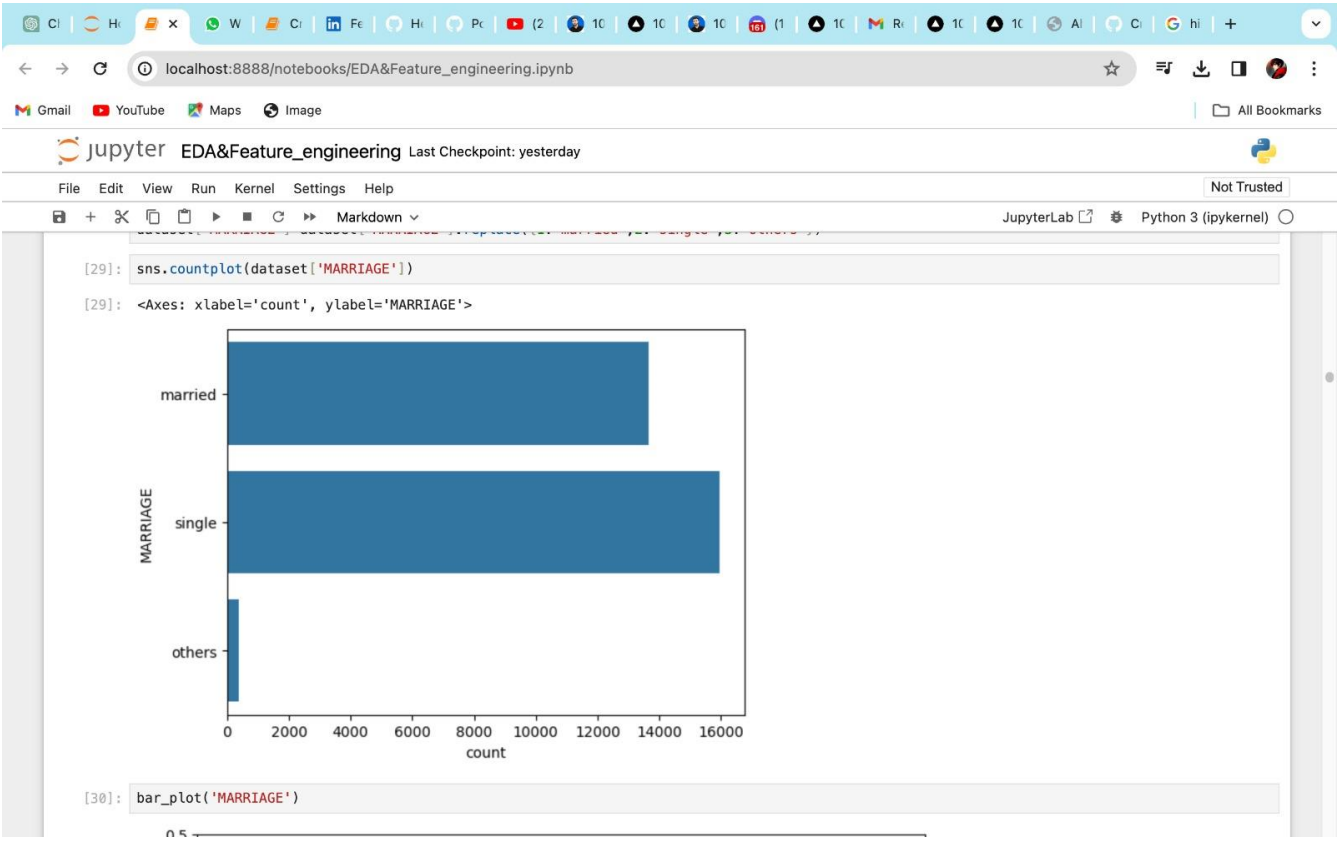




- 0.5 non-defaulters and 1.0 Defaulters
- Females have higher count than men.

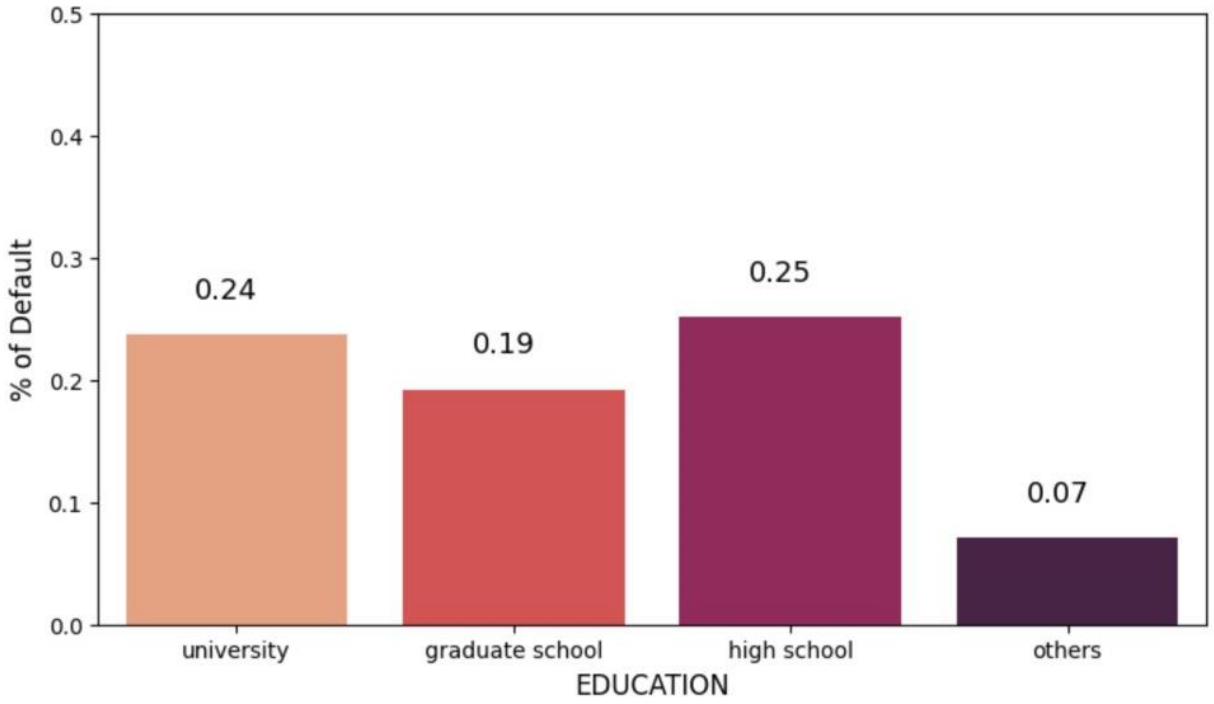
2. Males or Females who are more likely to default next month ?

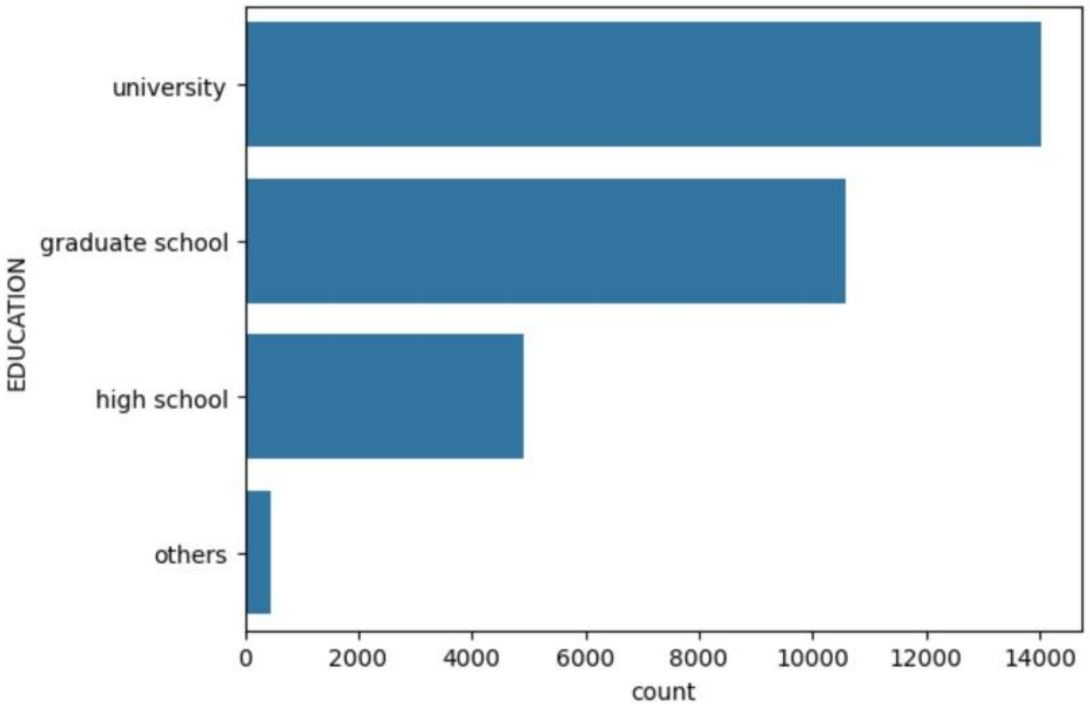




- So, from plot we can say Males are more likely to Default next month than females
- Single Category People are highly default payers

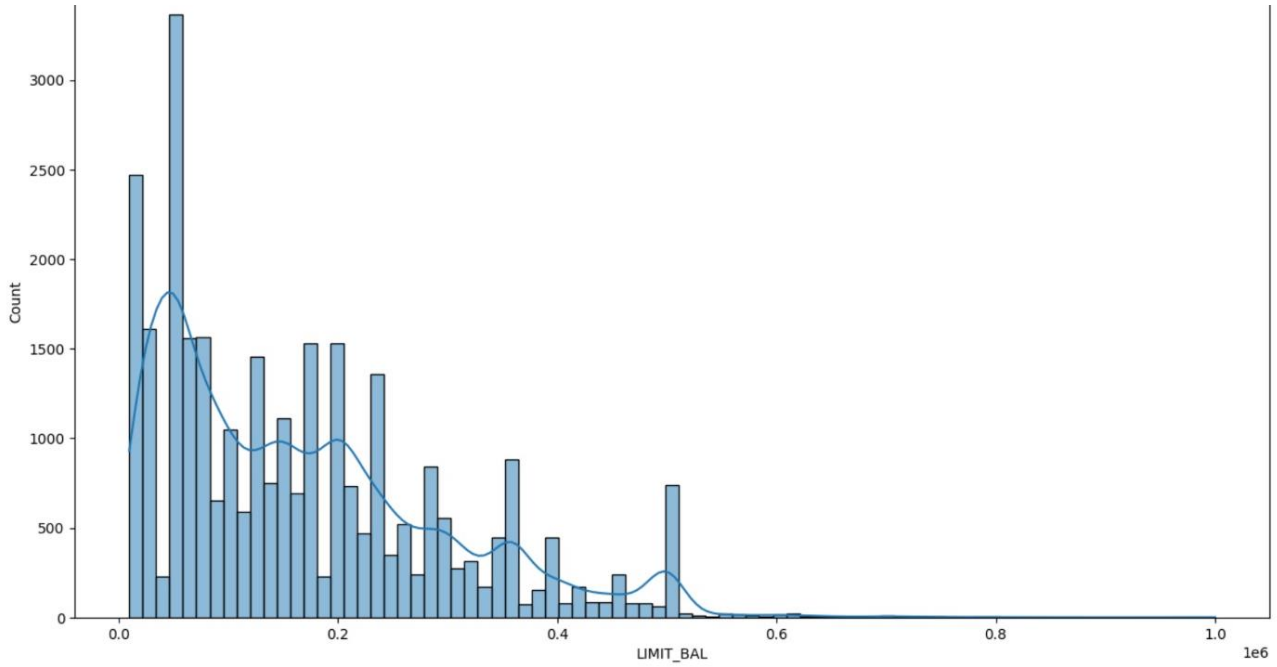
3. **Which level of education shows a higher likelihood of default?**

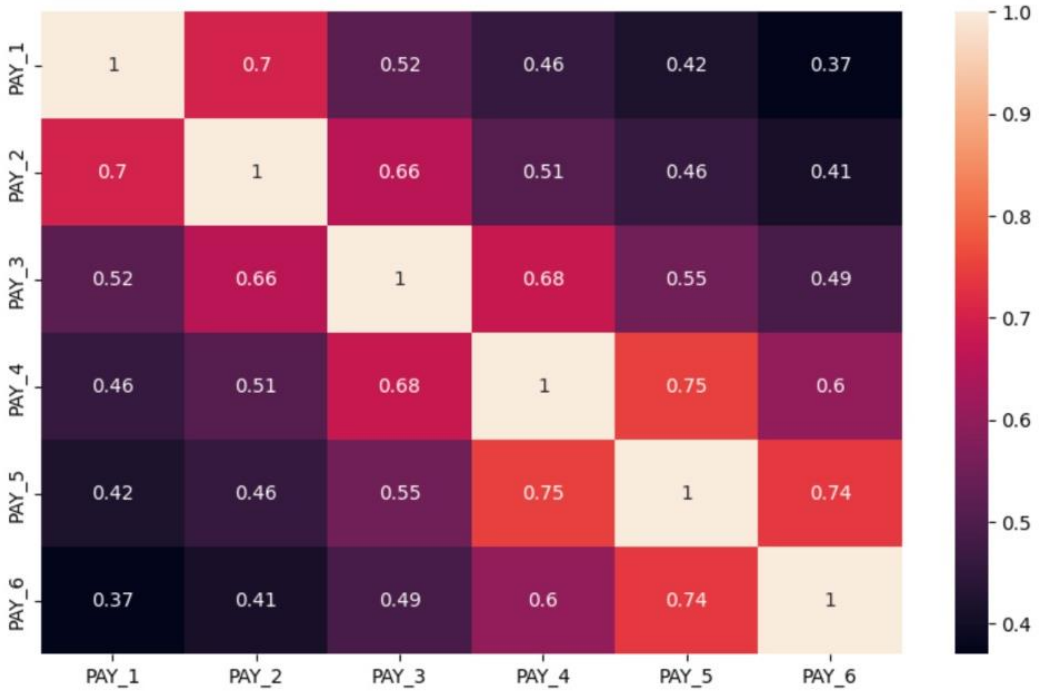




- ❑ The predominant level of education in our dataset is "University", followed by ' Grade School', 'High School' and 'Others'.
- ❑ From plot, Highschool and University candidates are more likely to Default.

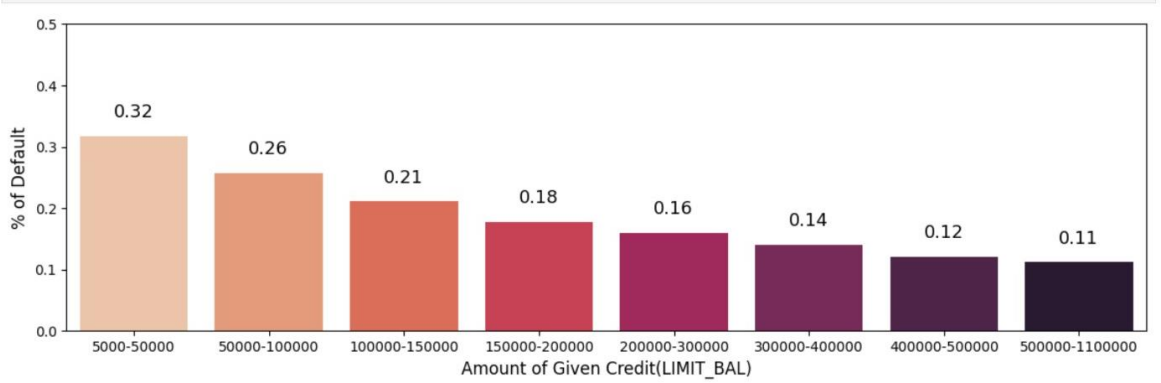
4. **Visualizing the distribution of limit balances according to months.**





- It represents the maximum amount a credit card holder can borrow

5. **Is there a noticeable trend in default rates based on credit limits in the dataset?**



- Now, we got the clear picture that there is a significant rate of default (over 30%) from customers with 50k or less of credit limit.
- We also can say that the higher the limit, the lower is the chance of defaulting