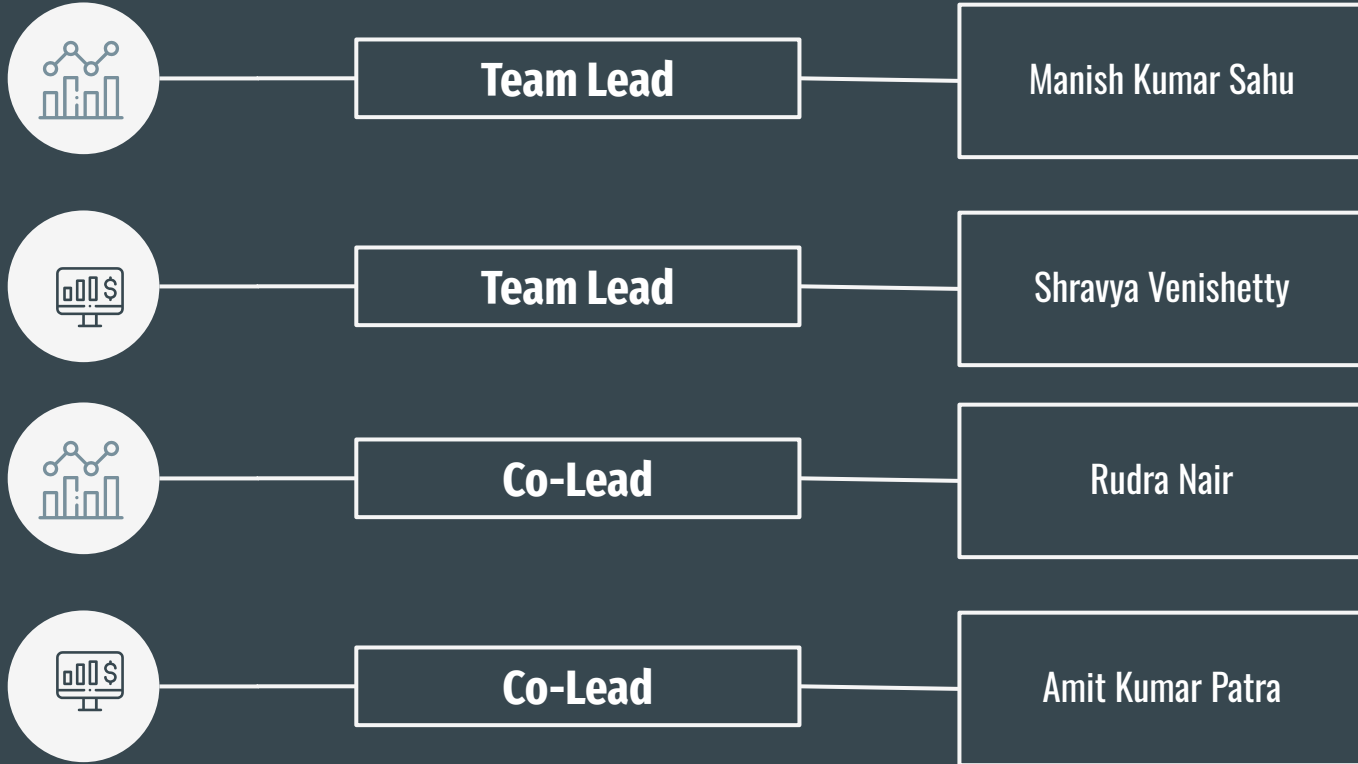


MAJOR PROJECT

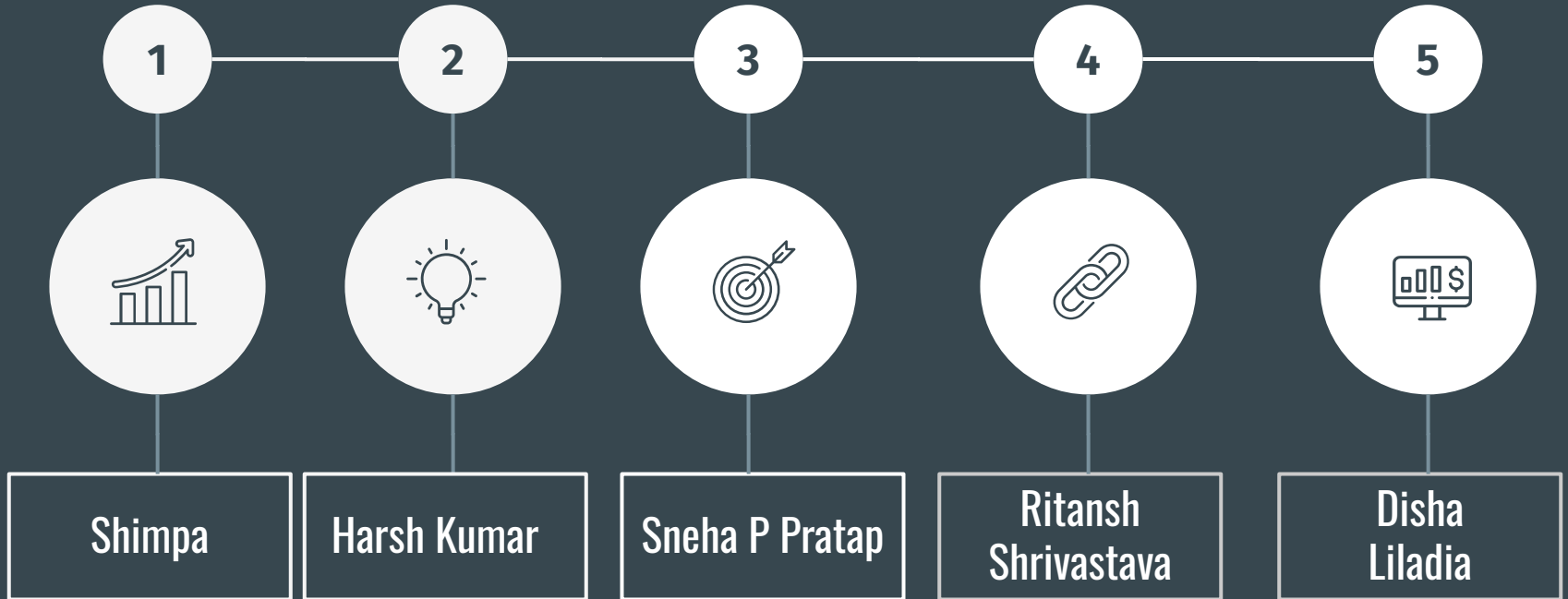
Presented by : Team K



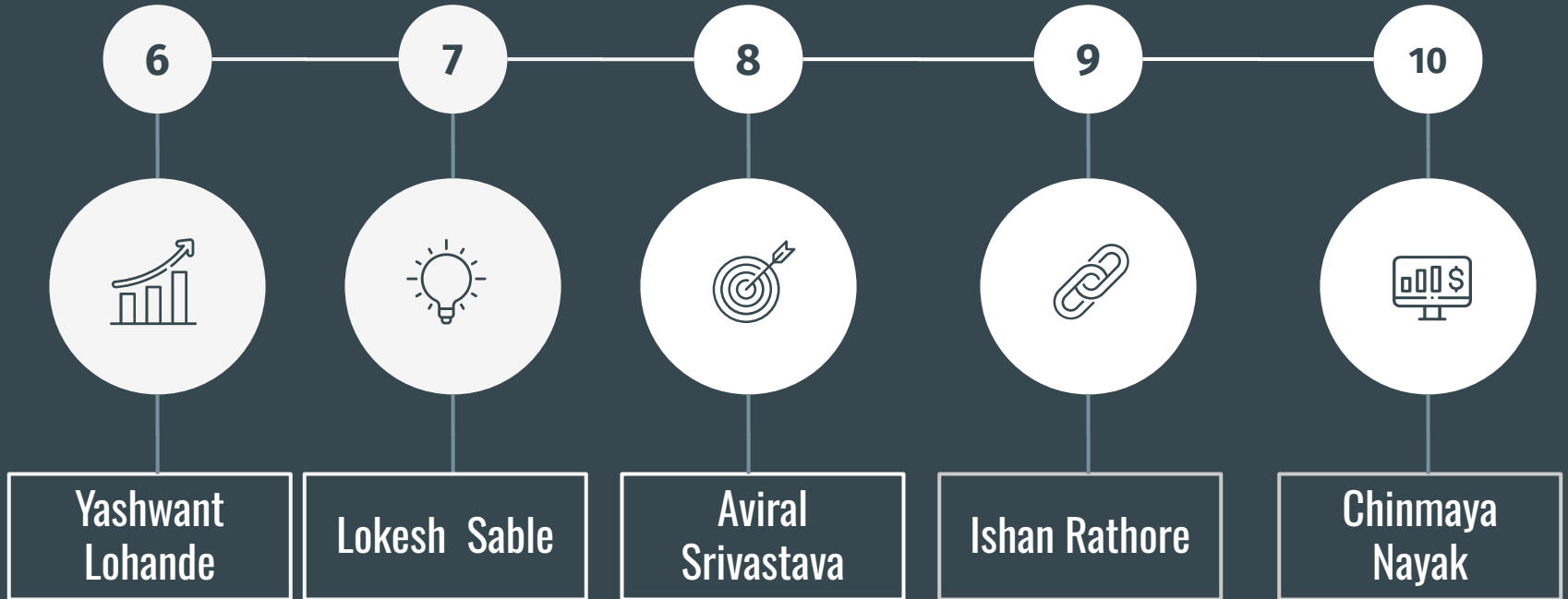
Team Leads



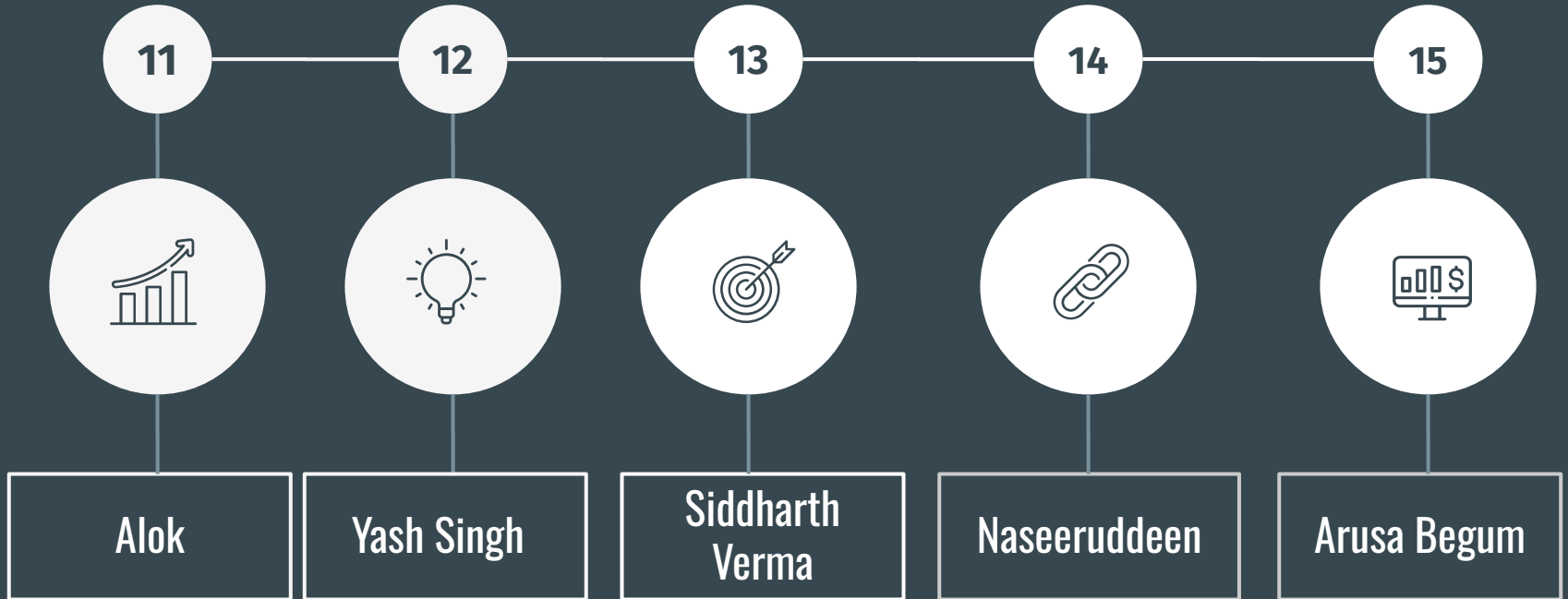
Extended Team Members



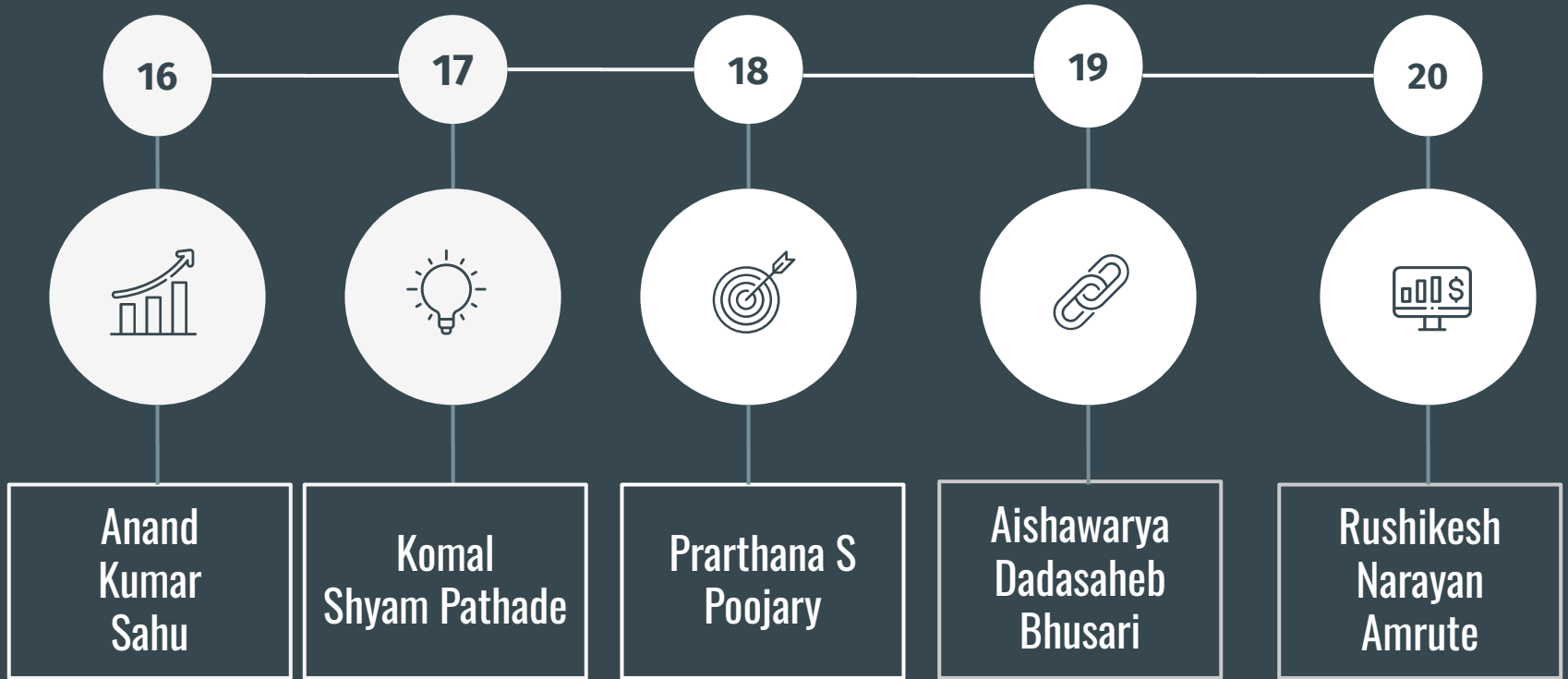
Extended Team Members



Extended Team Members



Extended Team Members





Objectives

Our objective is to identify patterns which indicate if a client has difficulty paying their instalments which may be used for taking actions such as denying the loan, reducing the amount of loan, lending (to risky applicants) at a higher interest rate, etc.

We will ensure that the consumers capable of repaying the loan are not rejected. Identification of such applicants using EDA is the aim of the following case study.

In other words, the company wants to understand the driving factors (or driver variables) behind loan default, i.e. the variables which are strong indicators of default. The company can utilise this knowledge for its portfolio and risk assessment.



Data Cleaning

By eliminating duplicate entries, adding missing values, standardizing data formats, fixing data types, and spotting outliers, we improved our dataset through data cleaning.

These procedures guaranteed the accuracy, consistency, and dependability of our data for analysis.

5 Steps to Cleaner Data



Develop a data
quality plan

Step - 1



Correct data at
the source

Step - 2



Measure data
accuracy

Step - 3



Manages data and
duplicates

Step - 4



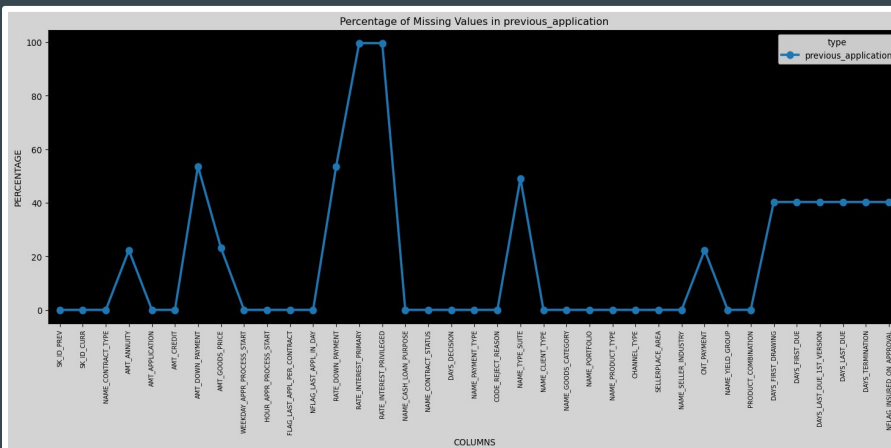
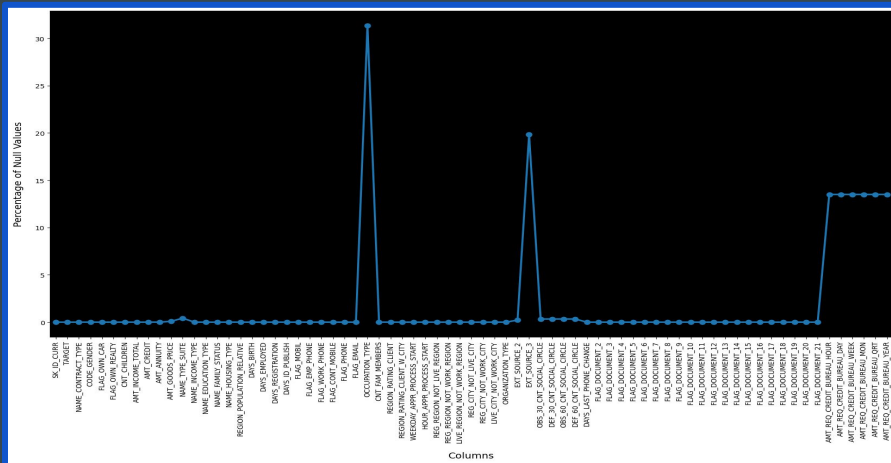
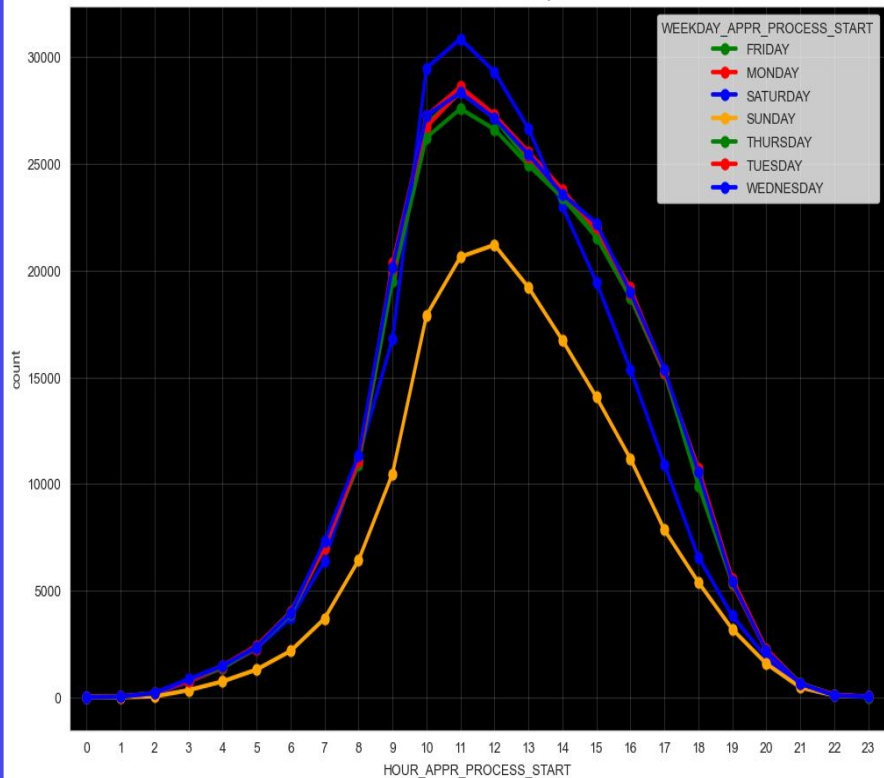
Append Data

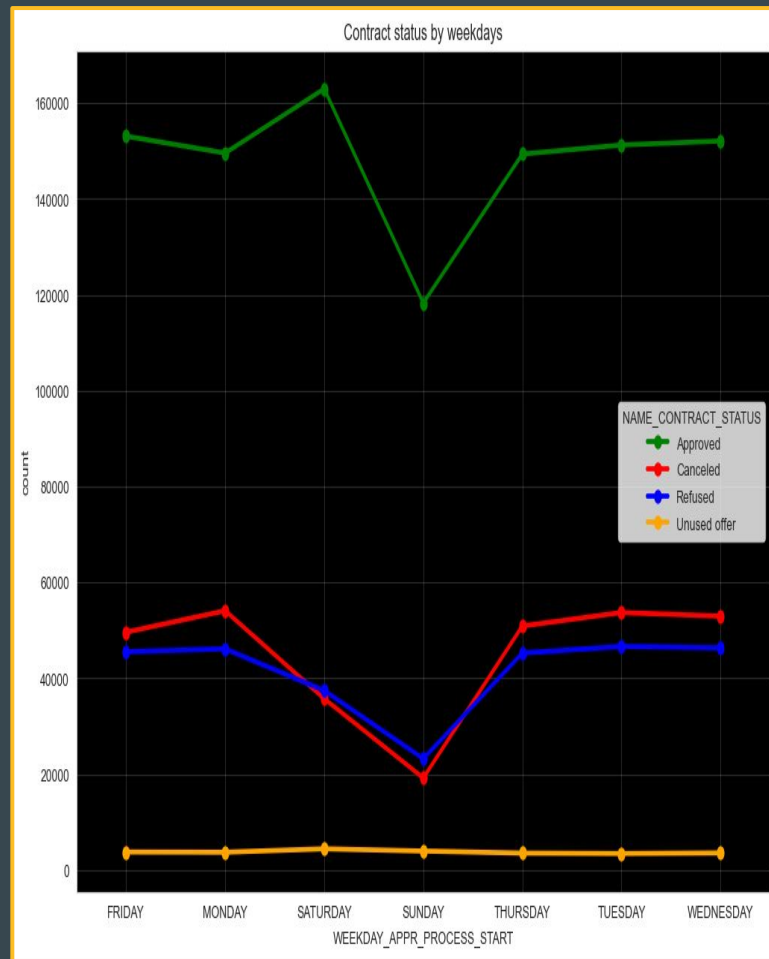
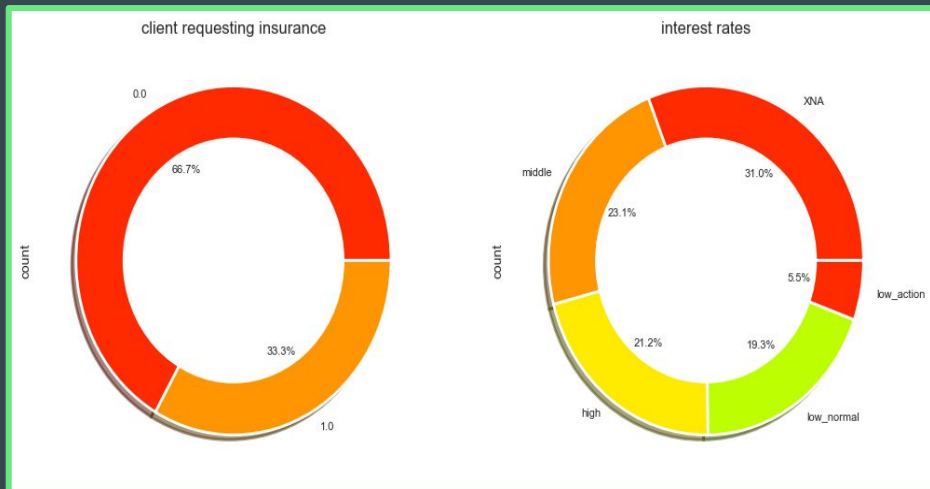
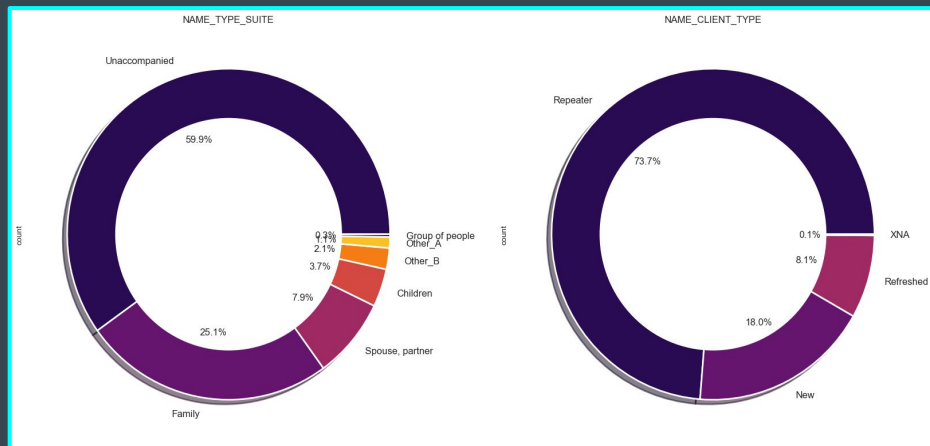
Step - 5



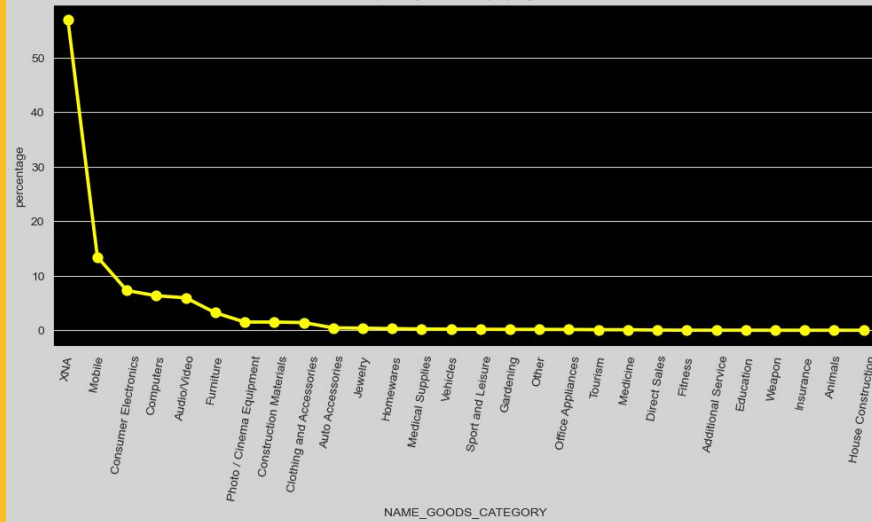
Data Analysis

Peak hours for week days

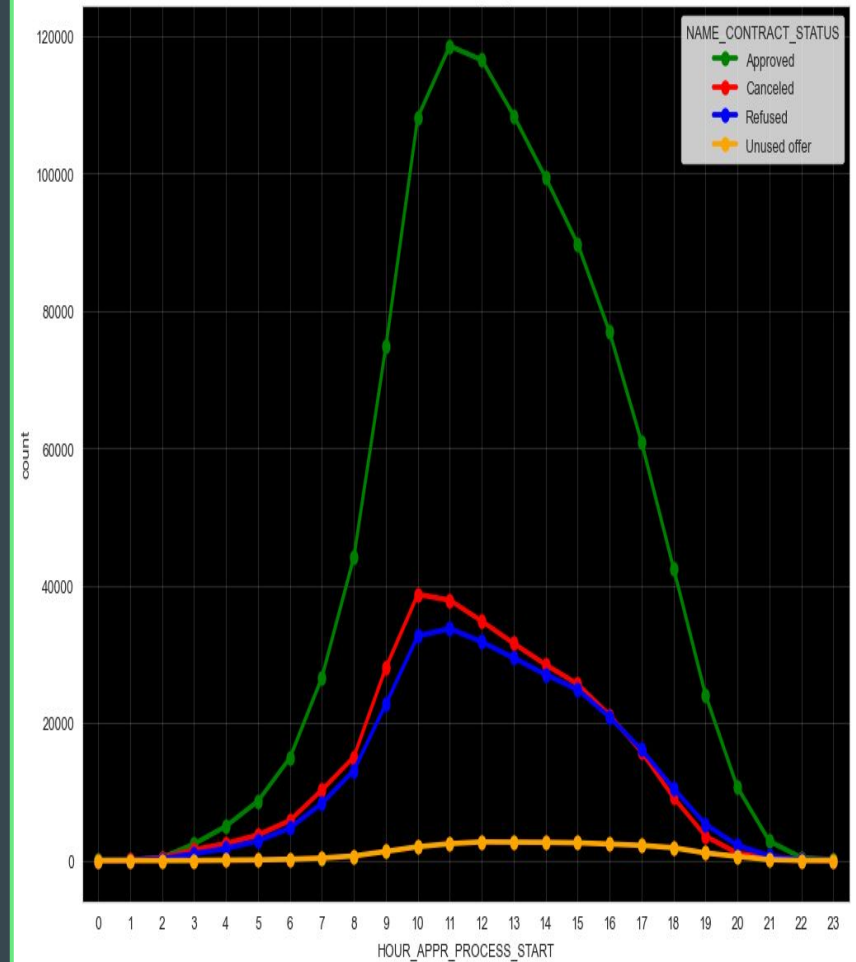




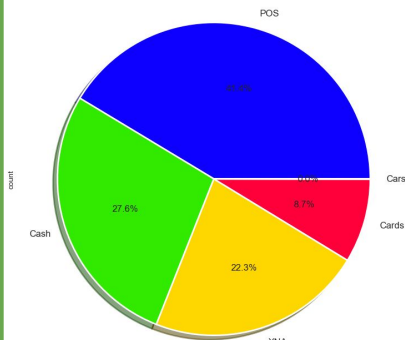
Popular goods for applying loans



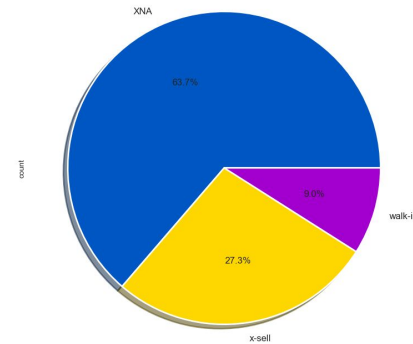
Contract status by day hours.



previous applications portfolio



previous applications product types

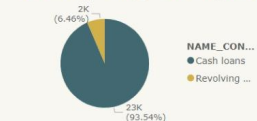


Loan Eligibility Dashboard

TARGET by NAME_HOUSING_TYPE



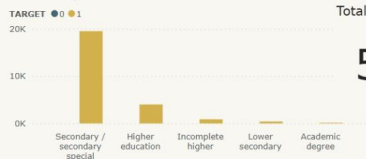
TARGET by NAME_CONTRACT_TYPE



TARGET by NAME_INCOME_TYPE



TARGET by NAME_EDUCATION_TYPE



Total Customers

25K

Total Number of cars owned

307.51K

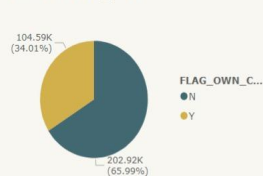
Total Amount Credit

184.21bn

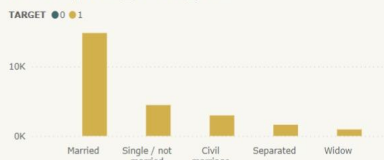
Total Income

51.91bn

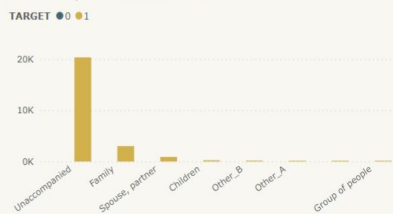
Count of OWN_CAR



TARGET by NAME_INCOME_TYPE



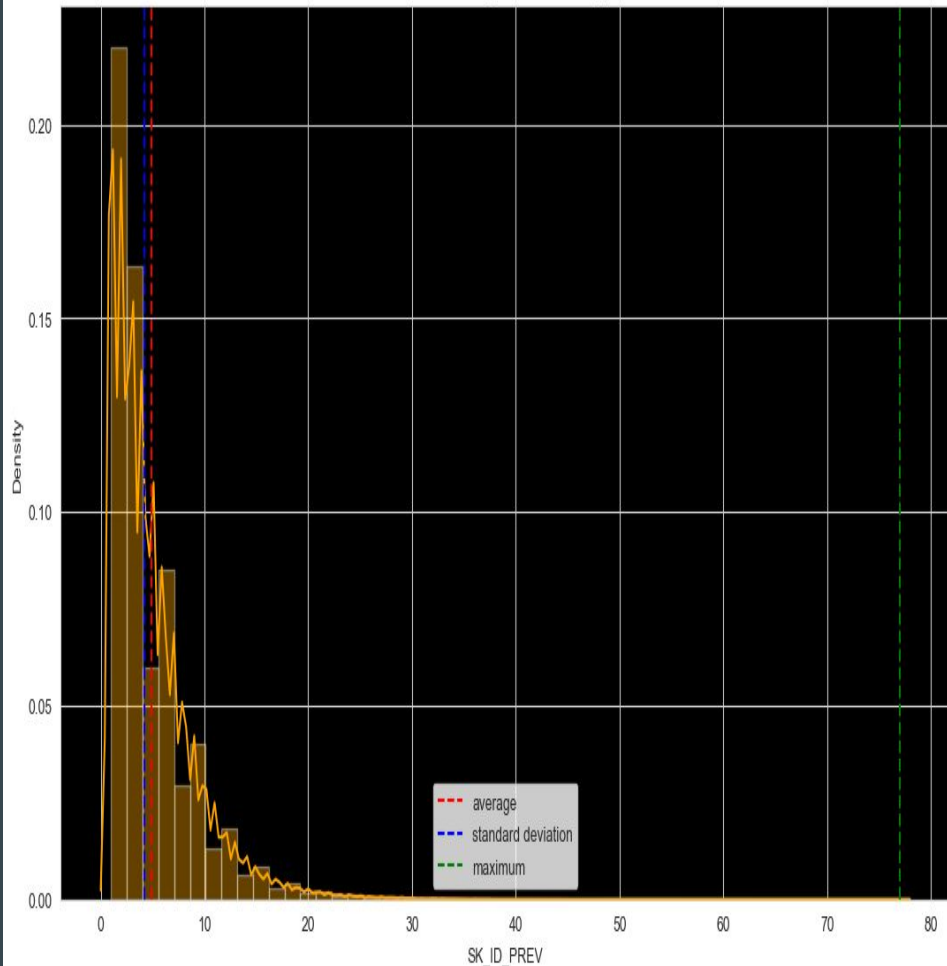
TARGET by NAME_TYPE_SUITE



TARGET by FAMILY_MEMBERS



Current loan id having previous loan applications





Challenges



What we have Done in EDA

- Understanding the dataset
- Multiple processing to identify valuable columns
- Handling non-values columns



Why we are Doing EDA

- To gaining data insights

Thank You

We are now open to any questions or
feedback that you may have.

