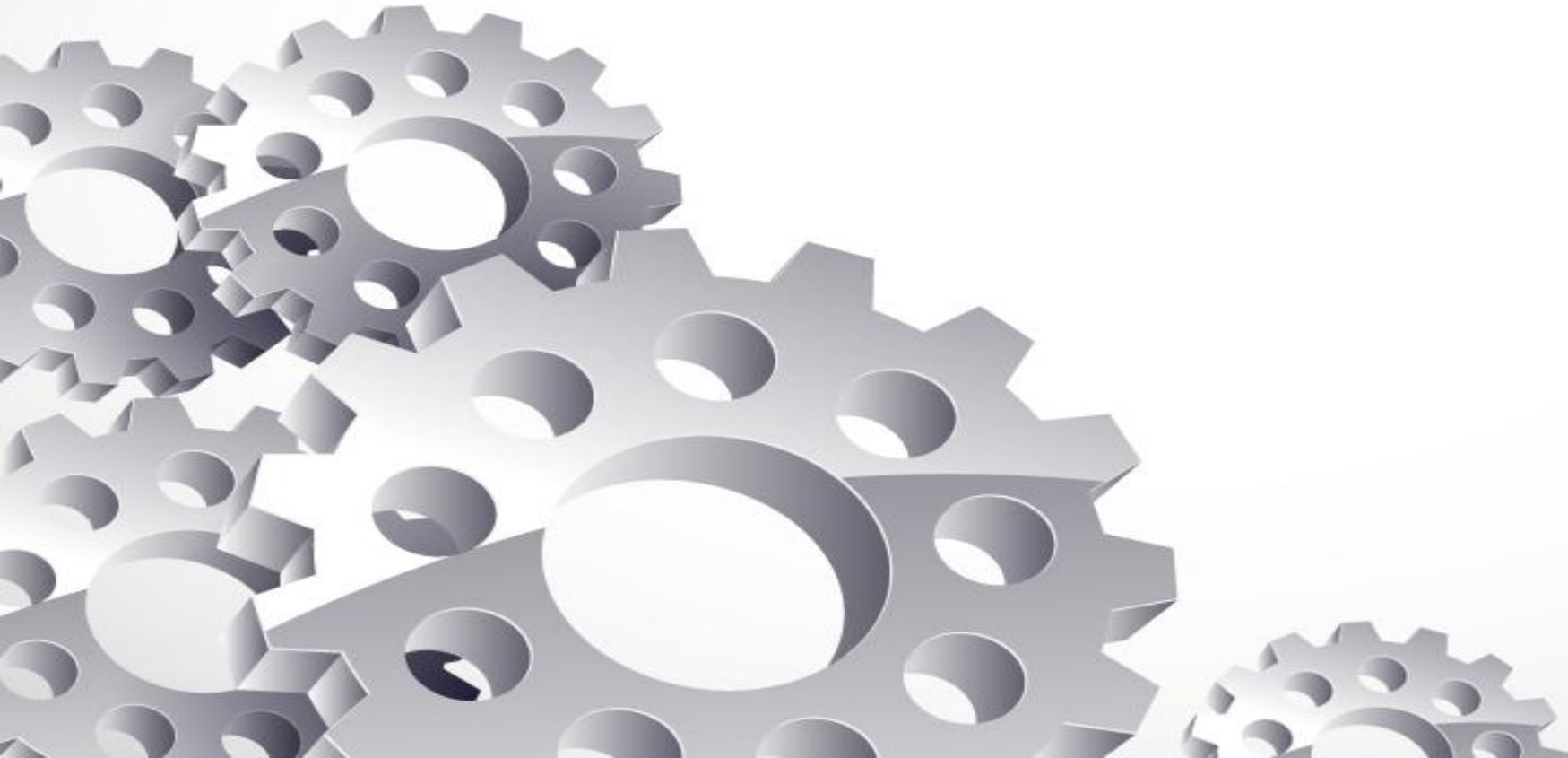


Presentation on credit EDA Case study



Presented by:-
Mayank Jain

Problem Statement



Analyze the risk involved of the Banks/NBFC for loan

- As if they will give the loan there are chances of payment default which may lead to loss for the banks/NBFC
- If they don't give the loan it will lead to their revenue loss which could also lead to closure of business.

Steps involved in analysis



1. Import the Application Data
2. Check the structure of the data.
3. Missing Value Check
4. Dropping the column with more than 40% of missing values
5. Handling missing values
6. Divide the data into Numerical, Categorical and Extra list
7. Dropping the extra column from the data set.
8. Check for outliers (Not taking action on the outliers but the outliers can be dropped or edited as per data requirement)
9. Analyzing the dataset Unilateral, Bilateral and Multilateral analyses
10. Repeating all the above steps with Previous application dataset
11. Comparison analysis between Numerical and Categorical list of both the dataset with each other.

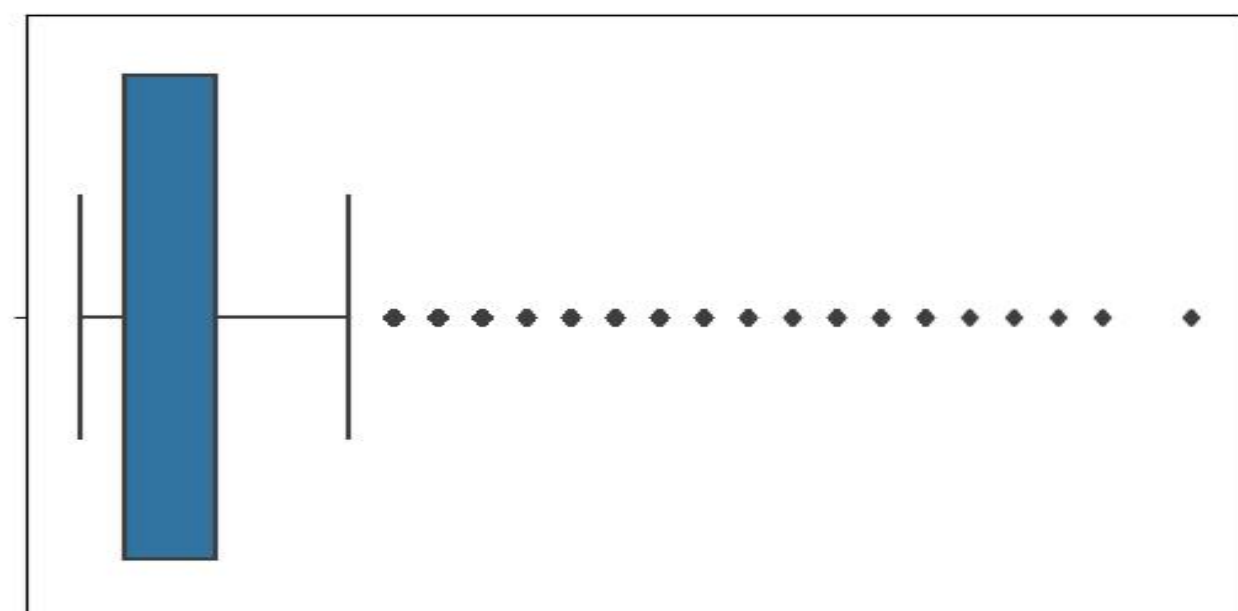
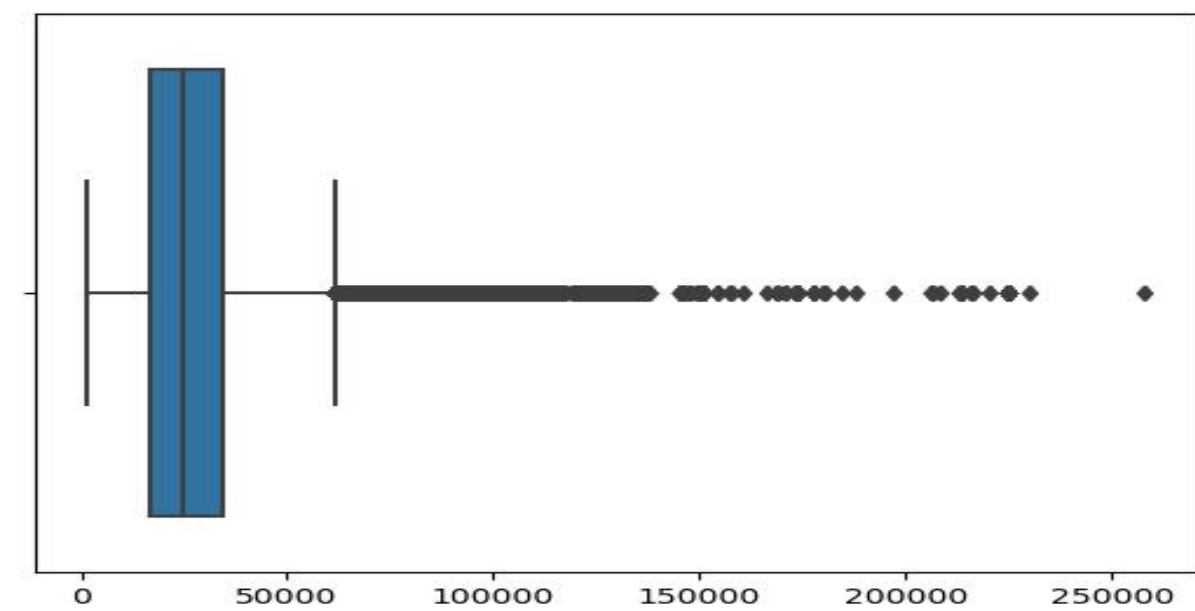
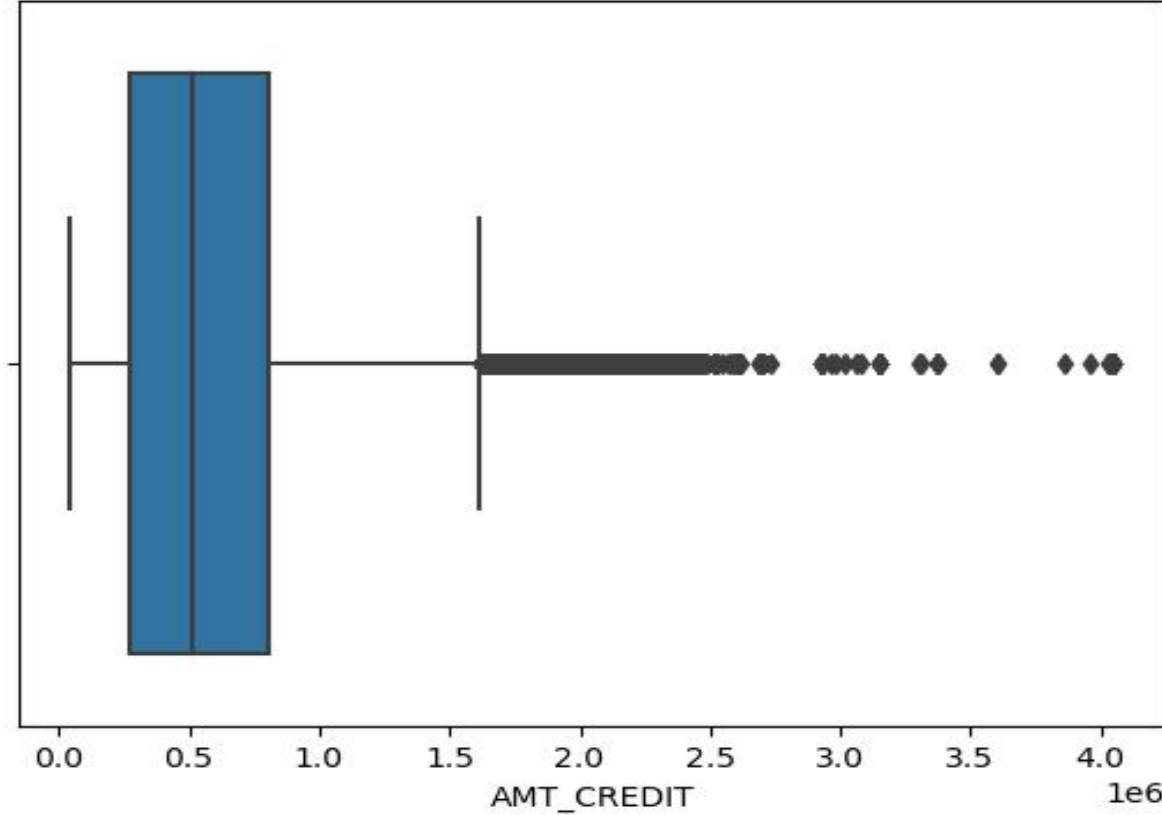
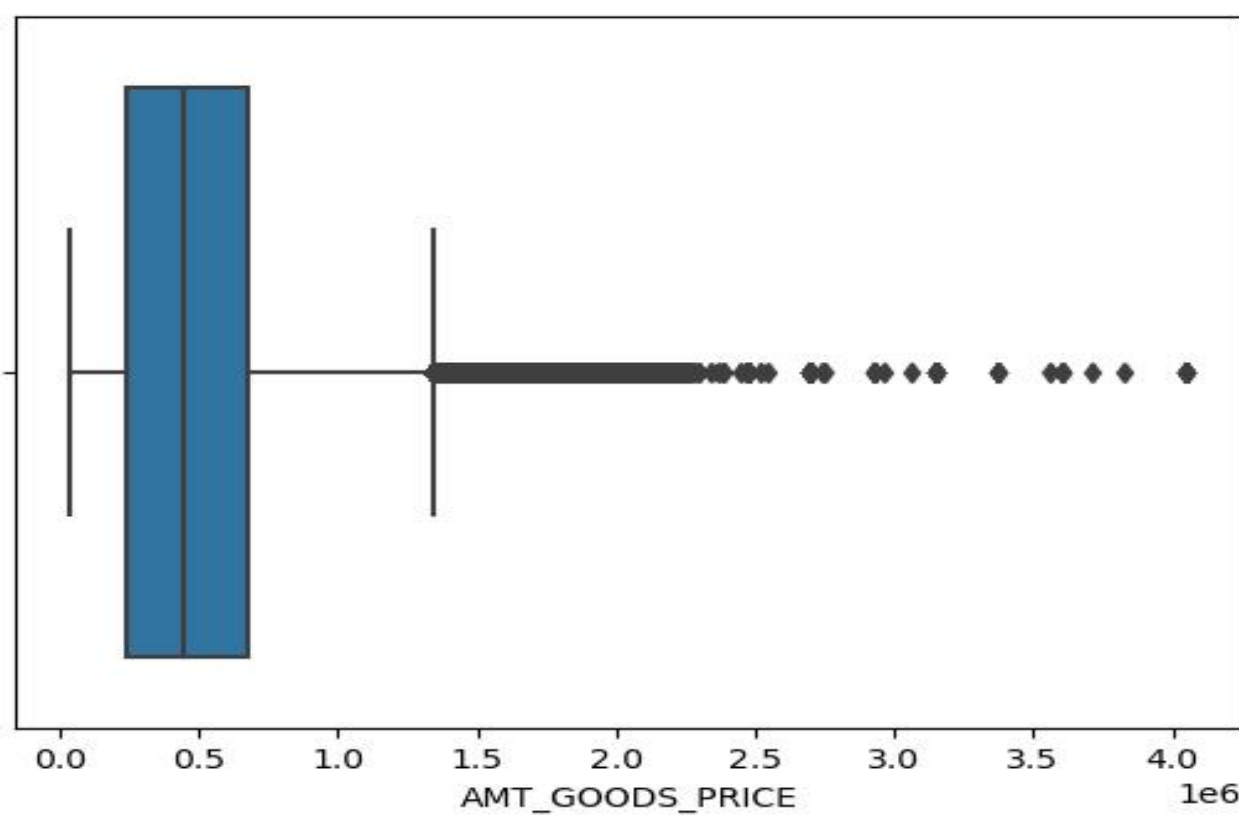
Assumptions

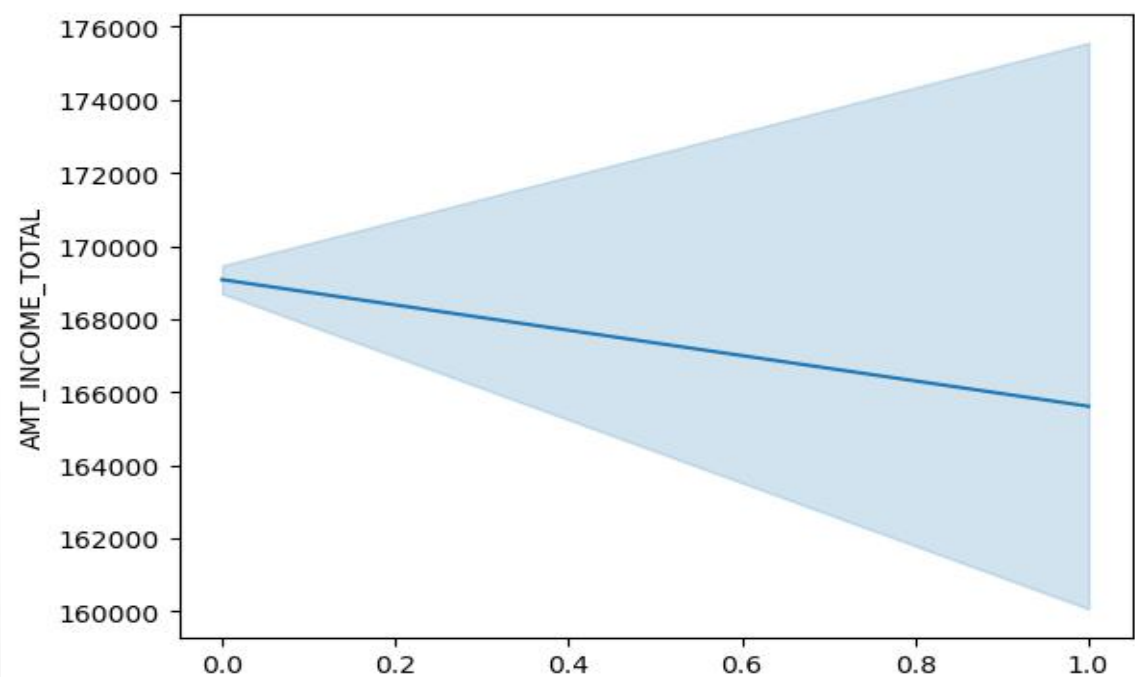
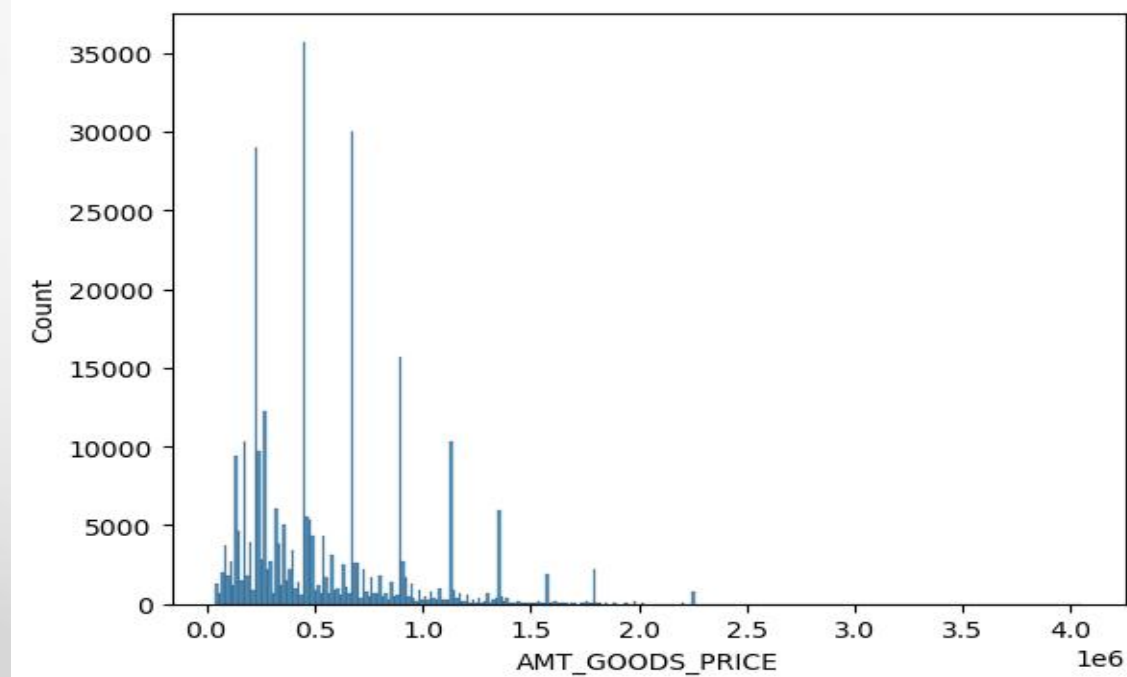
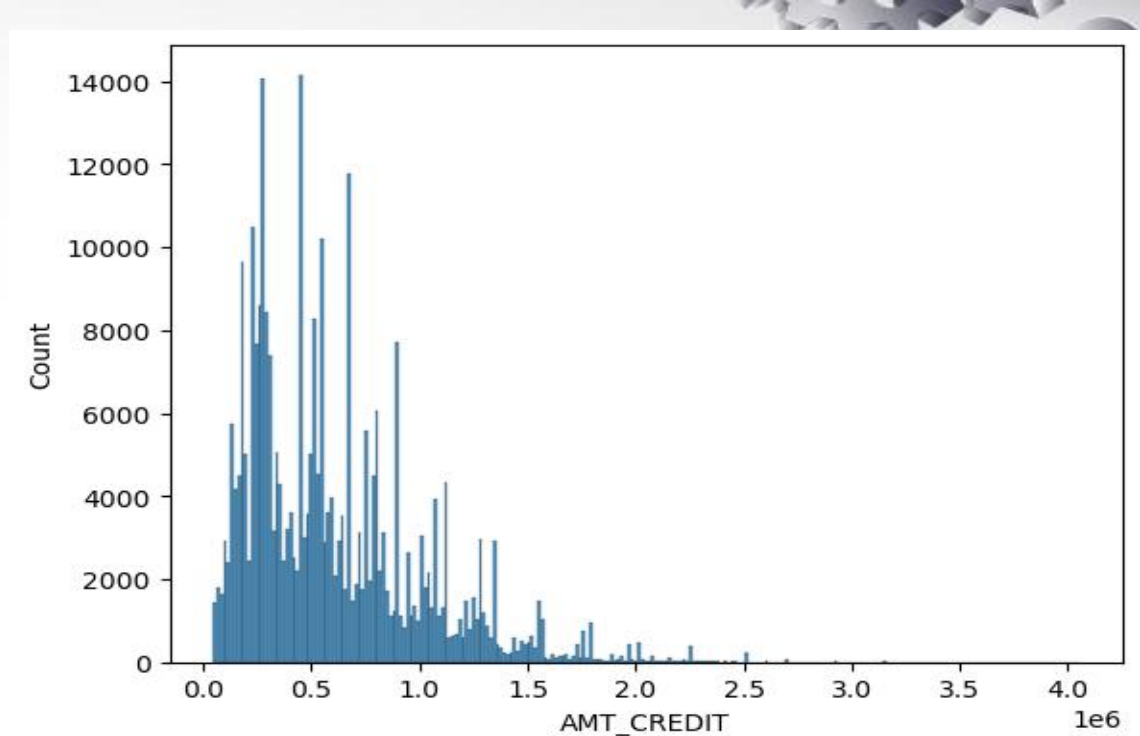
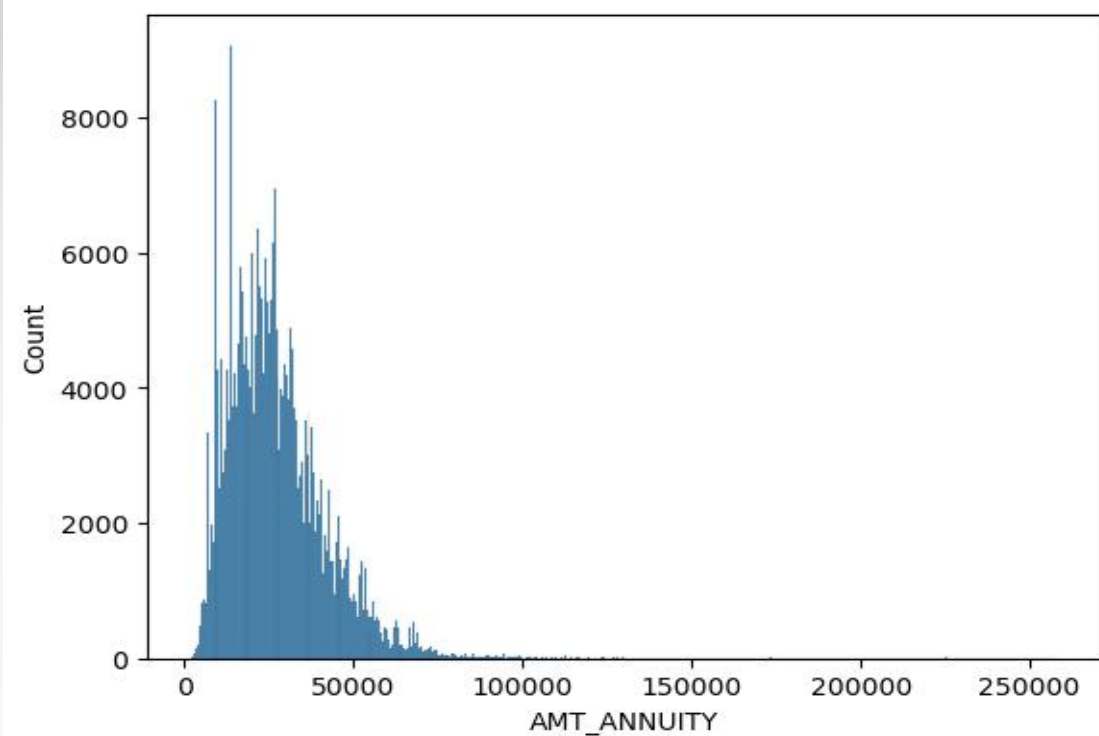


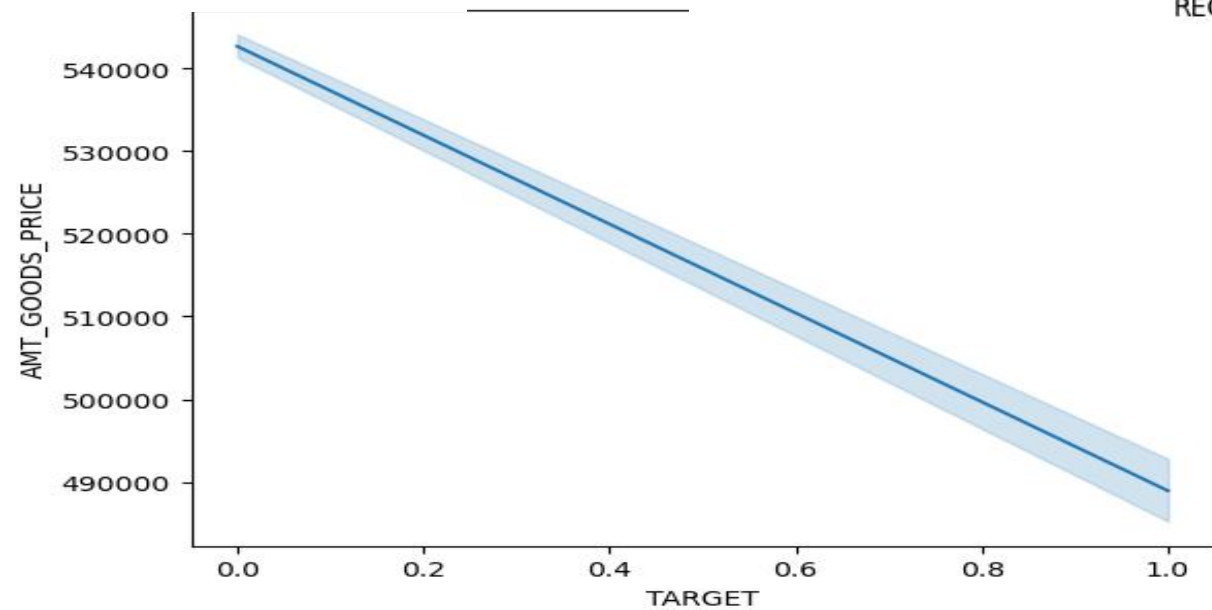
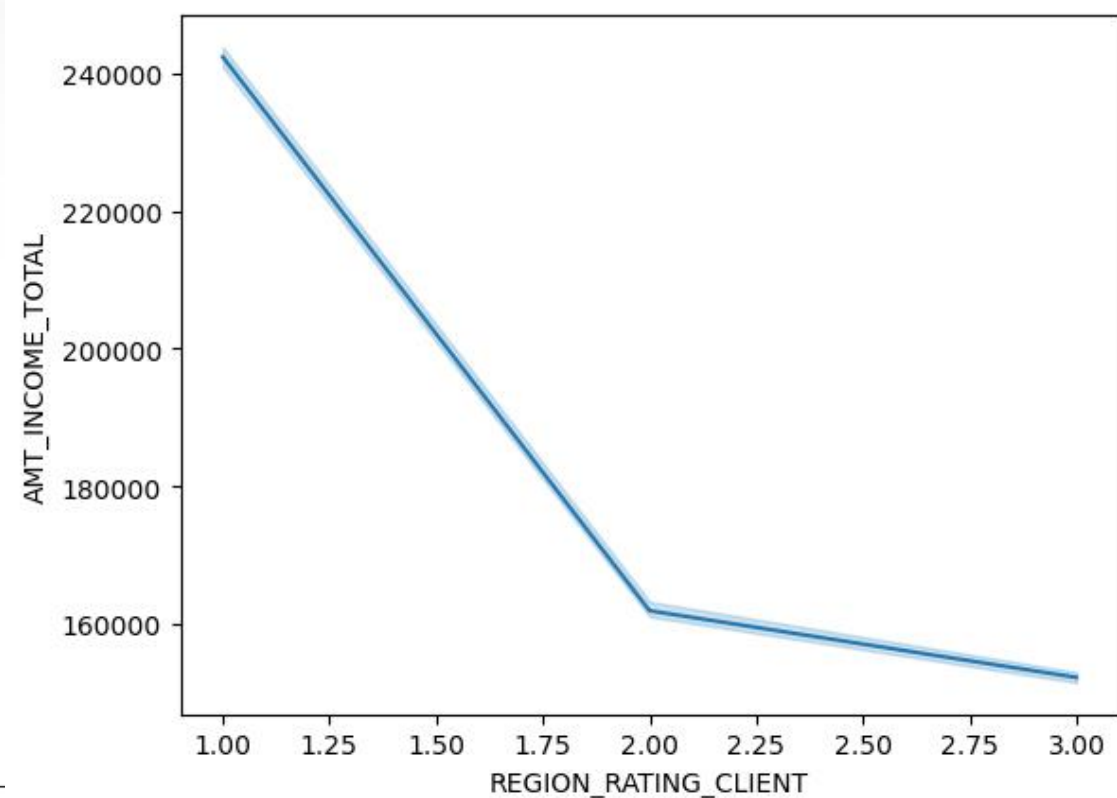
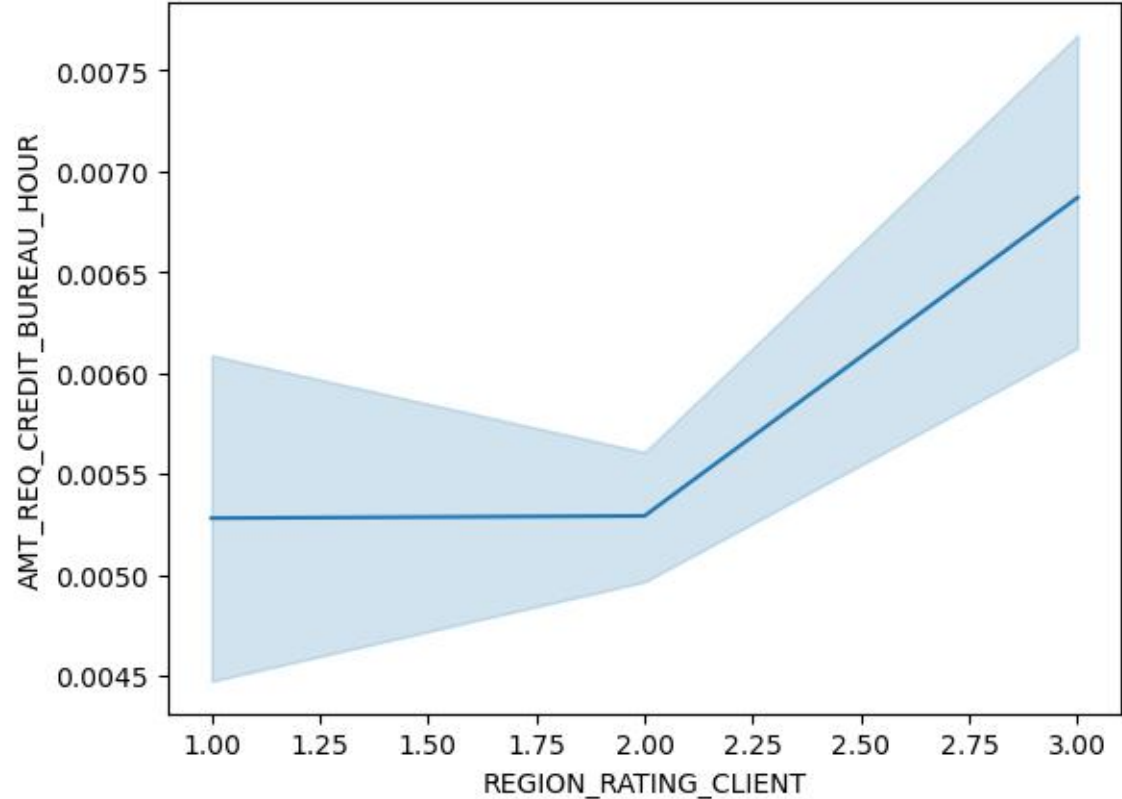
1. Assumed that the columns with more than 40% of missing values will affect our analysis. So dropped the columns.
2. No action on outliers as it will affect our analysis
3. Dropped the columns considering that they are not in use for analyzing the data

Graphical Analysis For Application Data



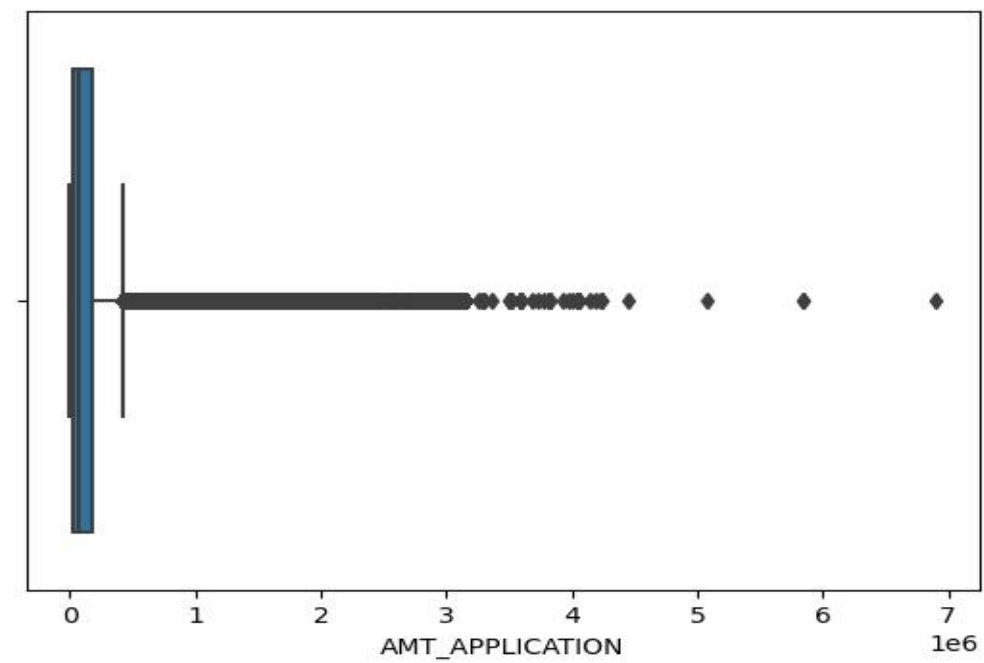
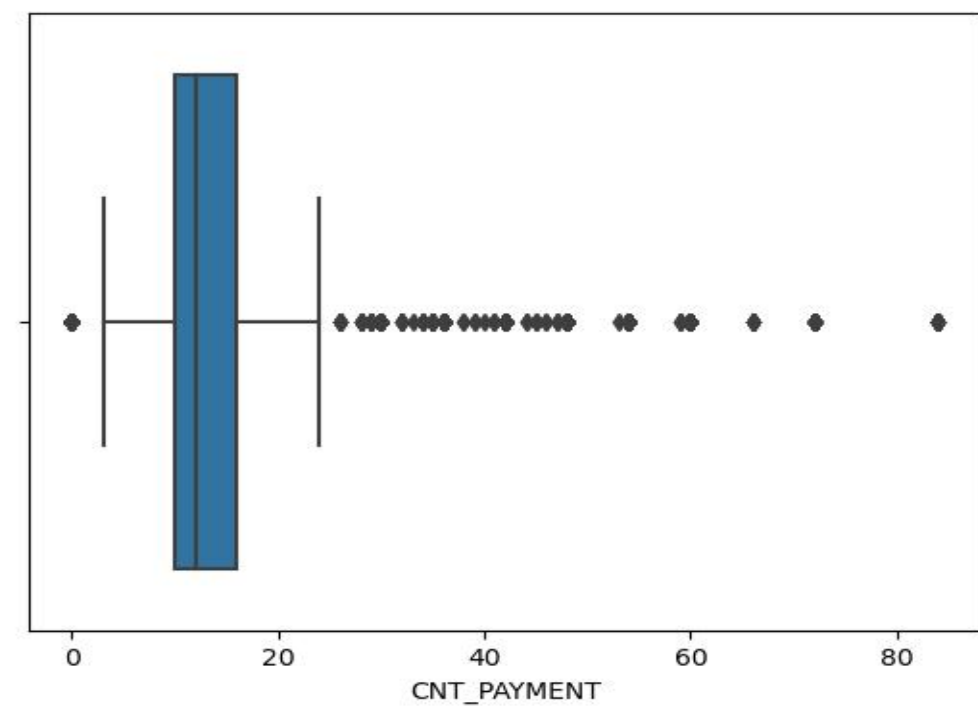
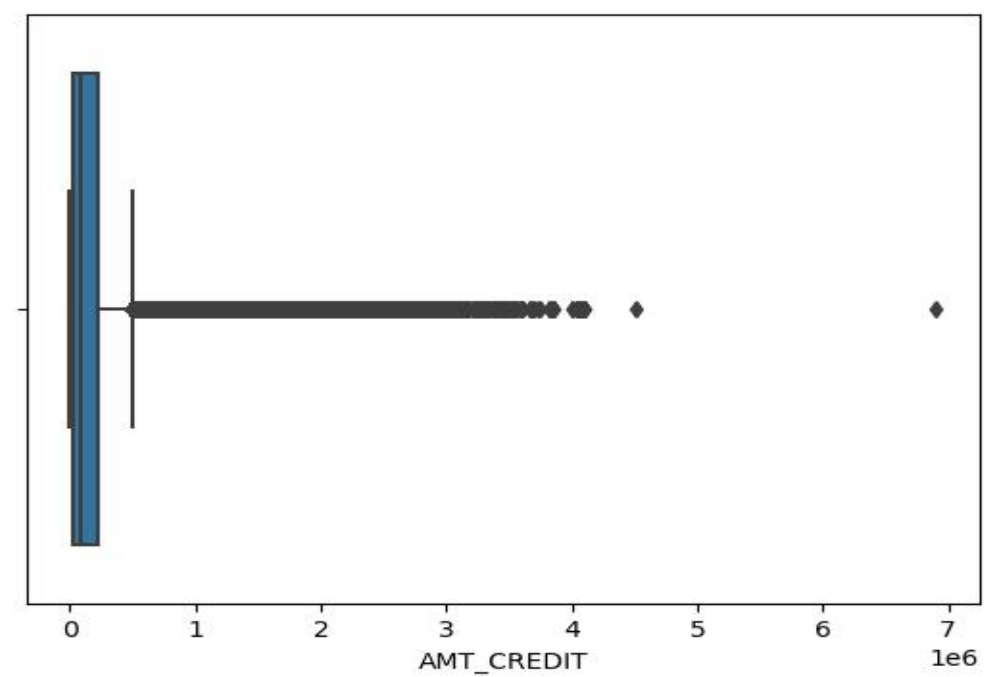
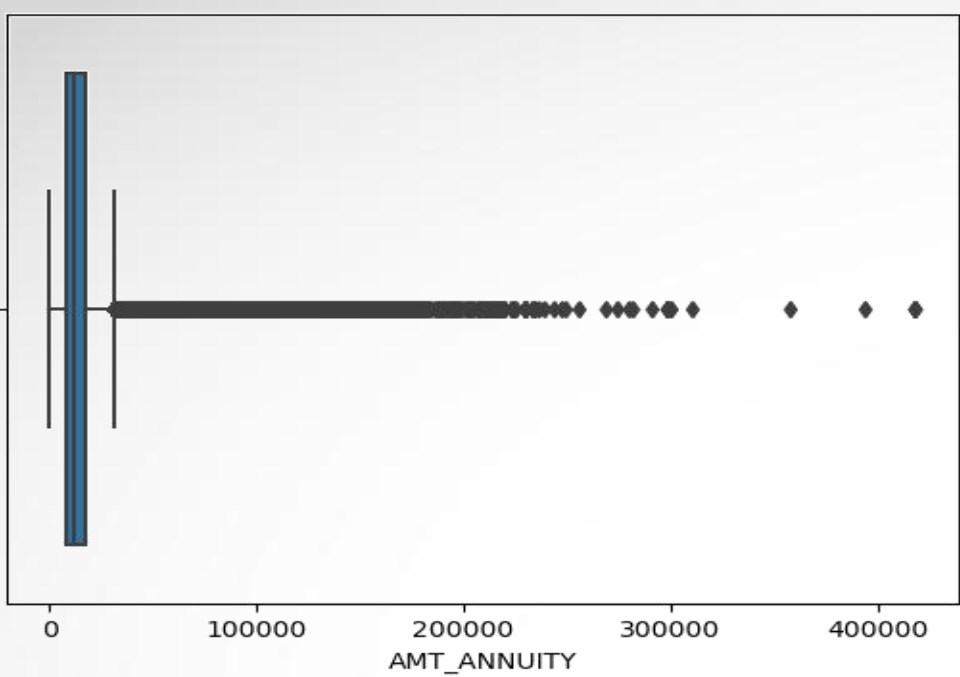


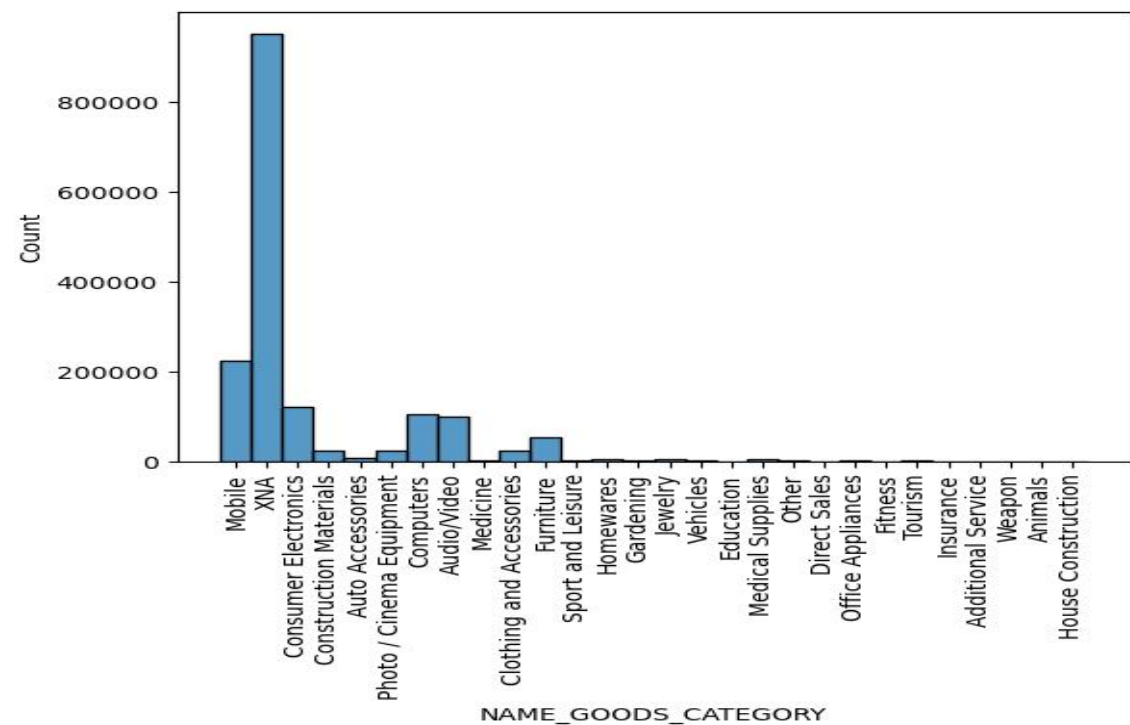
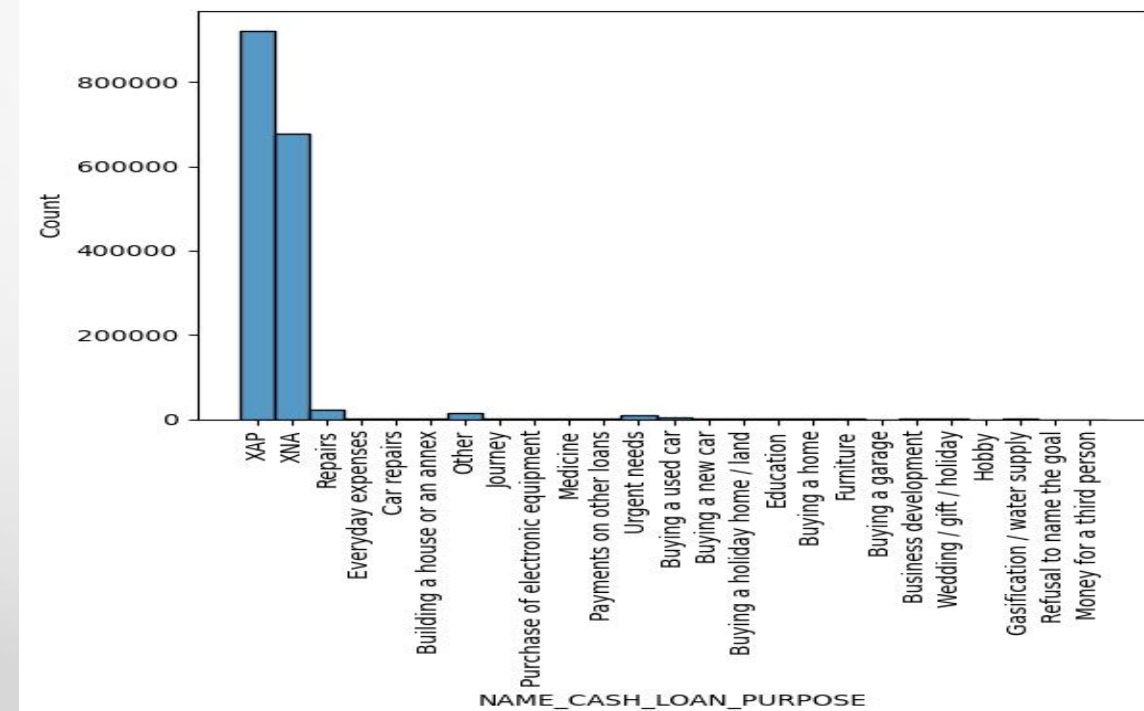
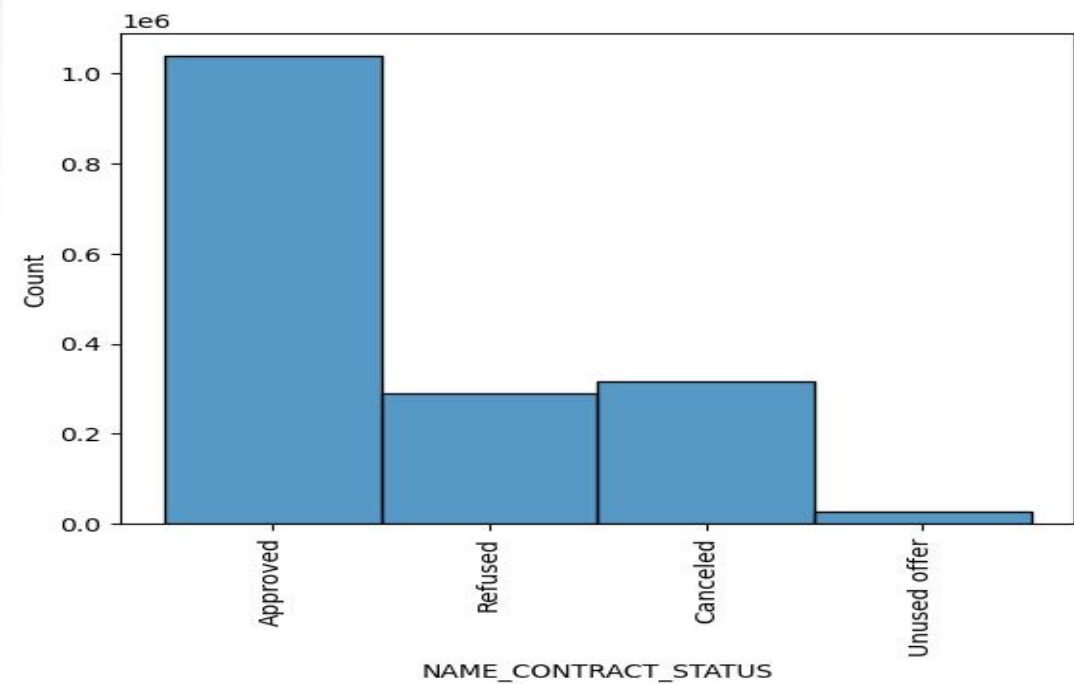
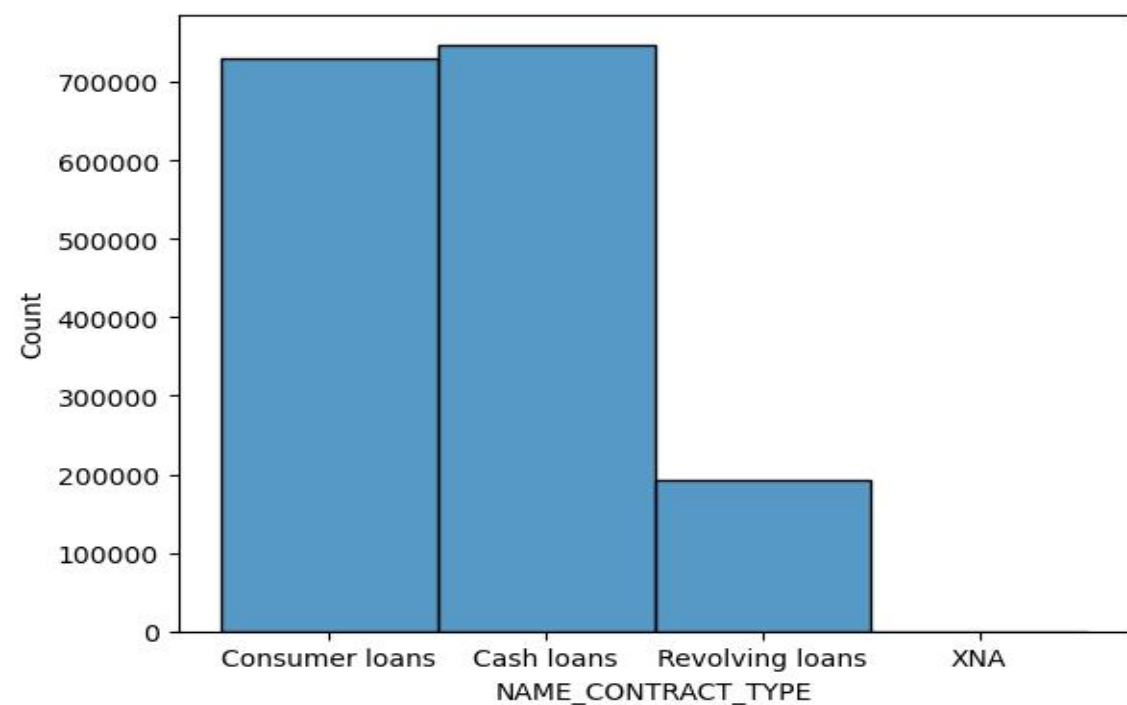


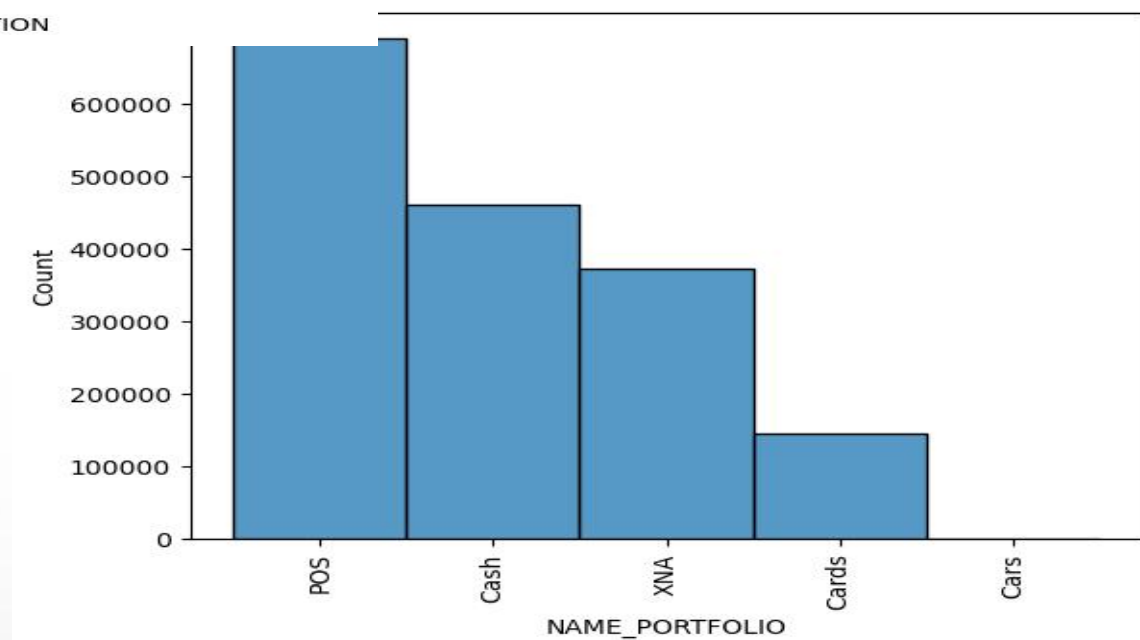
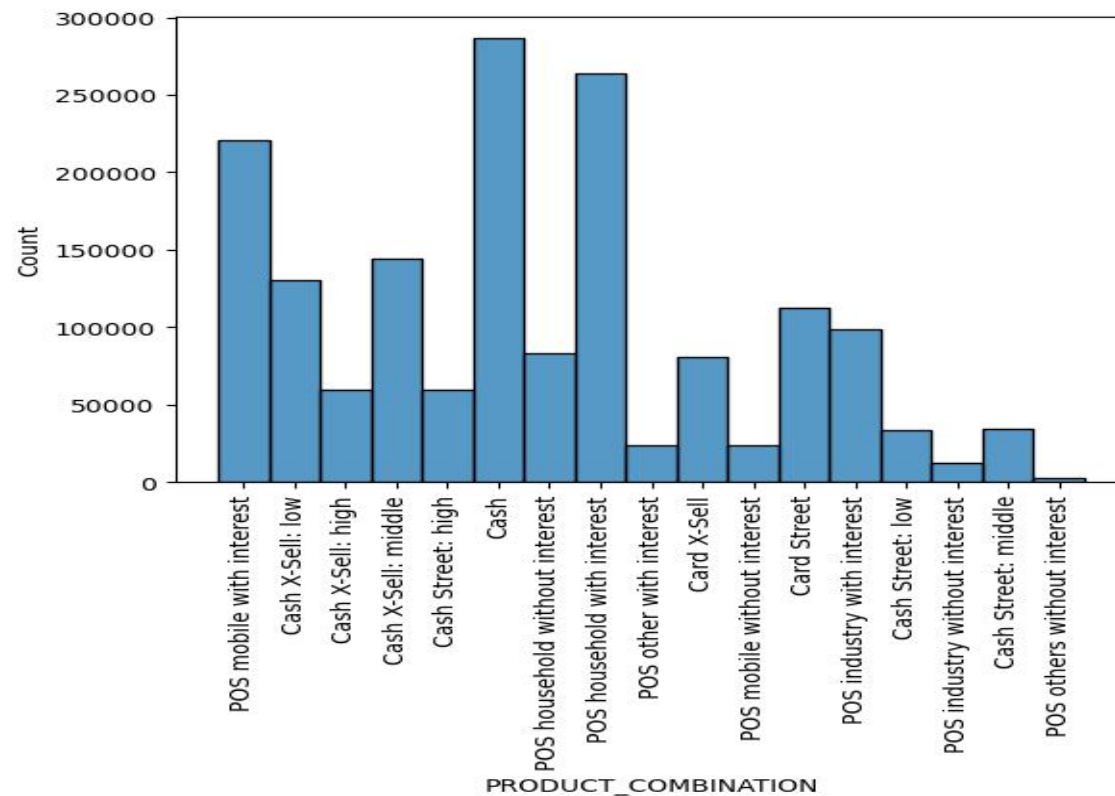
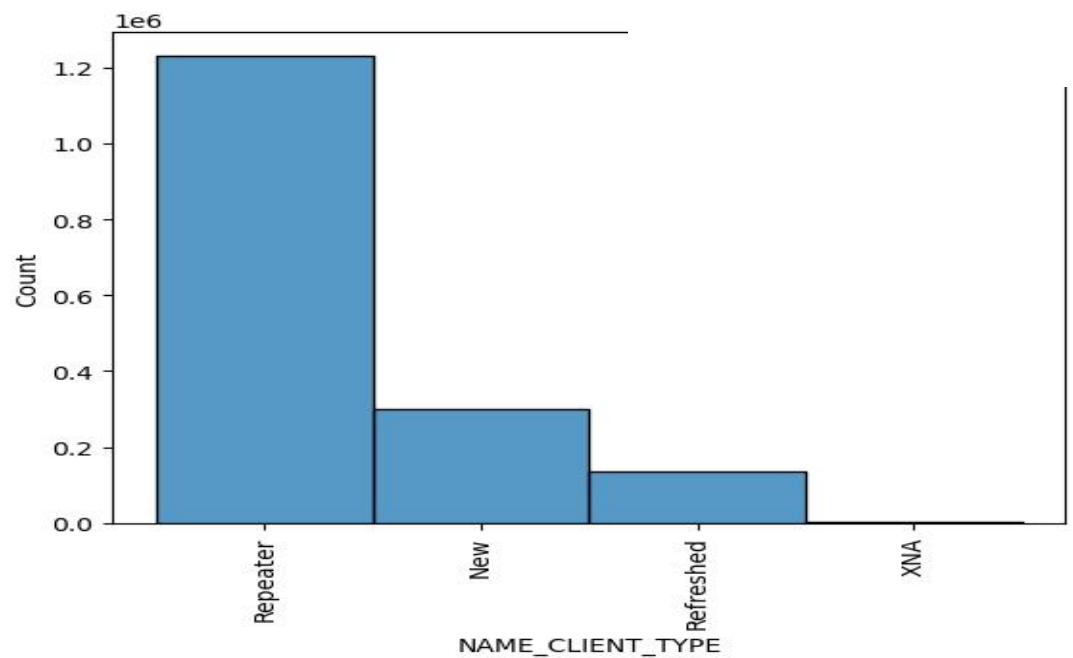




Graphical Analysis For Previous Application Data







Conclusion



- From the analysis it is clear that the maximum number of loan disbursed by the banks/NBFC are cash loans which has high risk potential
- People from low income group can also be threat.
- The maximum amount in previous application used is for purchasing mobiles.
- Maximum number of loans were distributed from POS.
- More than 60% of the previous applications were from existing customers
- More than 70% of the applications are in 1-10 lac of loan amount range