

Team 5 Project Summary

Problem Statement

This project identifies patterns which indicate if a client has difficulty paying their installments 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. This will ensure that the consumers capable of repaying the loan are not rejected. Identification of such applicants using EDA is the aim of this case study.

EDA

Exploratory data analysis (EDA) is used to analyze and investigate data sets and summarize their main characteristics, often employing data visualization methods.

We have handled missing values and outliers using various statistical techniques.

Conclusion

1. Top most category which is facing the highest payment difficulties is married and working class people.

2. Loan cancellation rate is higher for a person if he has less number of child or no child.

3. These are some major variable which can be considered as loan predictors:-

- NAME_FAMILY_STATUS
- AMT_CREDIT
- OCCUPATION_TYPE
- NAME_INCOME_TYPE
- CNT_FAM_MEMBERS
- CNT_GOODS_PRICE