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LENDING LOAN CASE STUDY

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Problem Statement

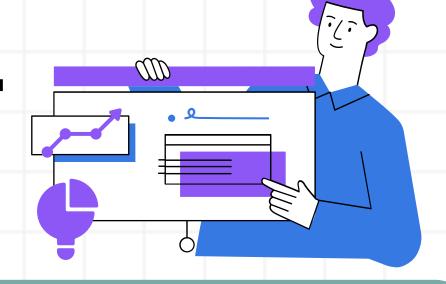
Bivariate Analysis

Business Objectives

Conclusion

Univariate Analysis

PROBLEM STATEMENT



We are a consumer finance company which specialises in lending various types of loans to urban customers. When the company receives a loan application, the company has to make a decision for loan approval based on the applicant's profile. Analyse how consumer attributes and loan attributes influence the tendency of default

BUSINESS OBJECTIVES

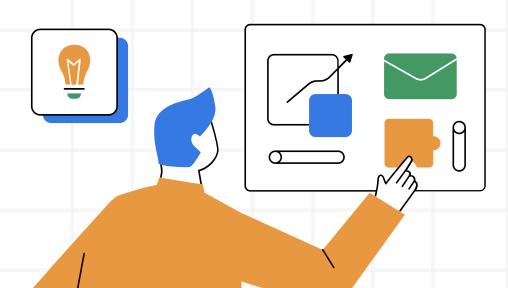
Identify pattern of loan defaulters

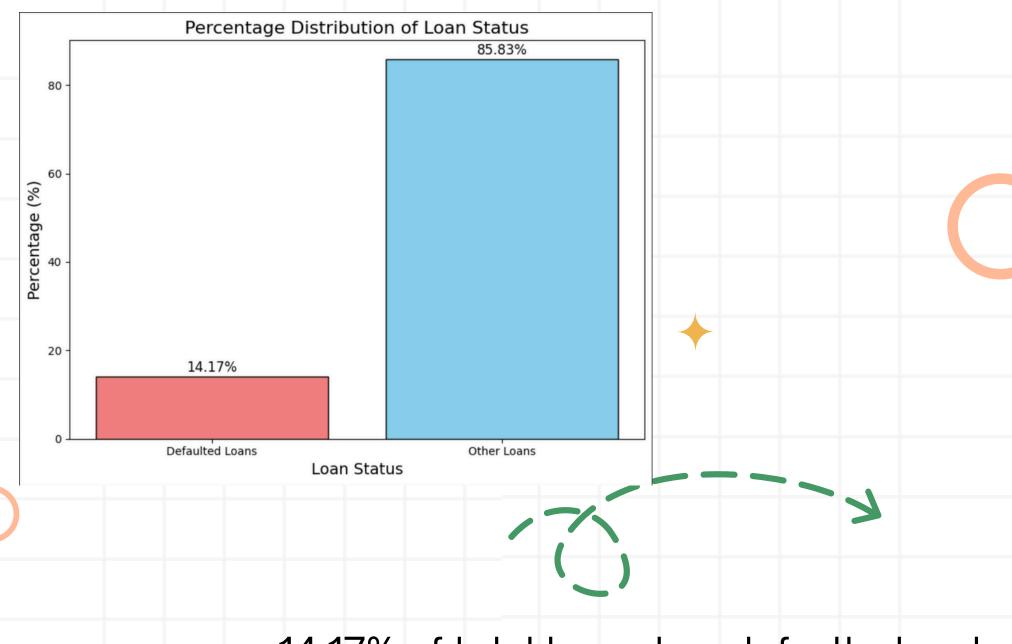
Identify risky loan applications

Reduce NPAs

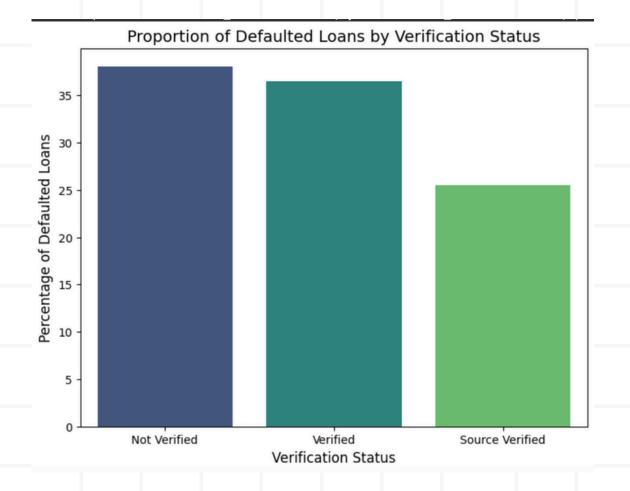
Reduce loss



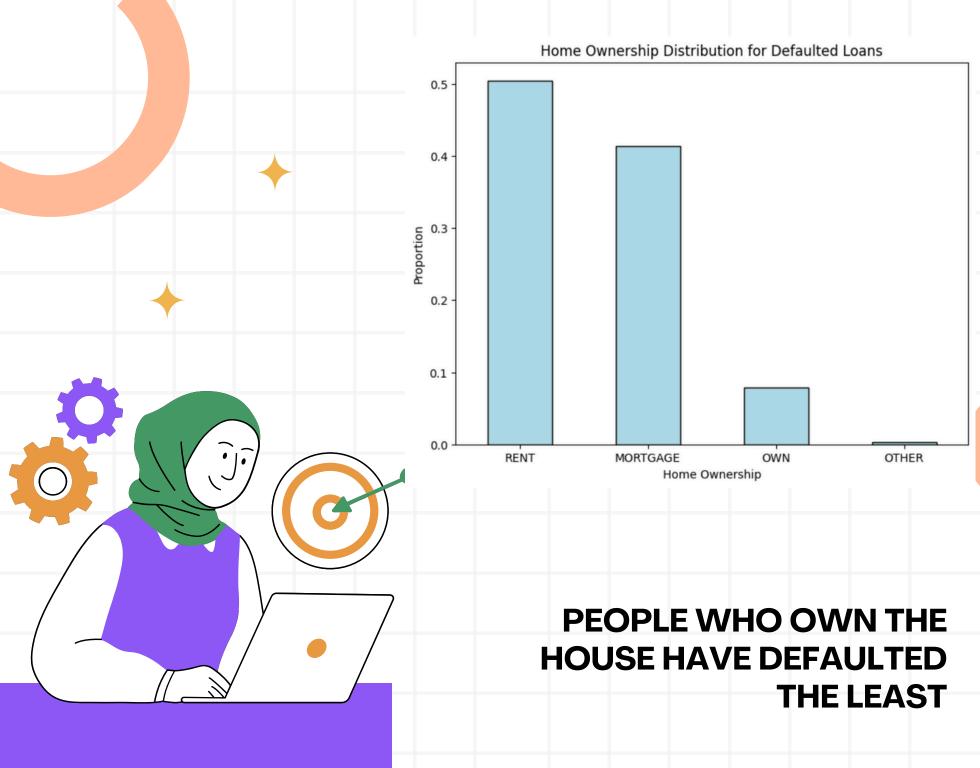




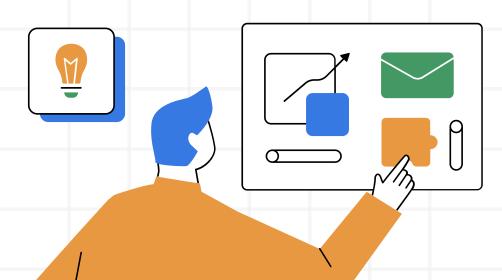
14.17% of total loans has defaulted and resulted in charge off

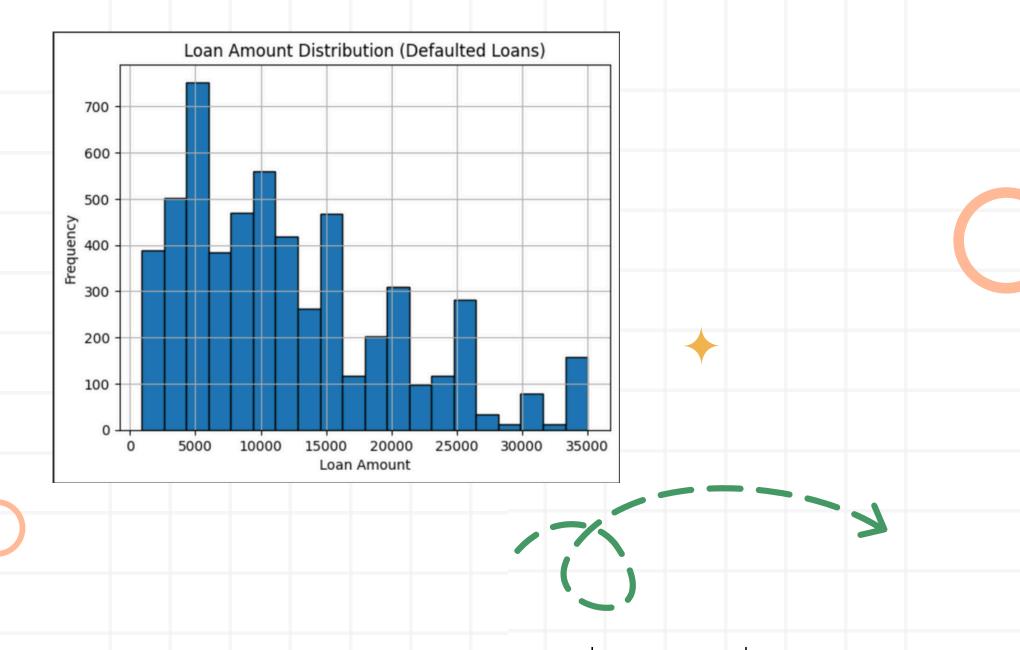


MAJORITY OF THE LOANS WERE NOT VERIFIED

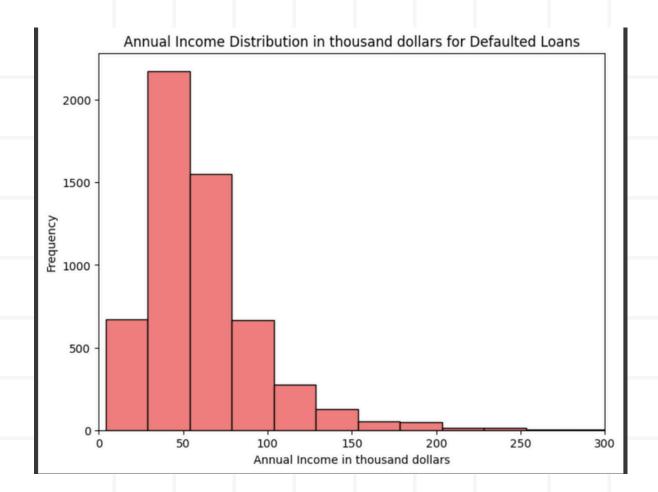








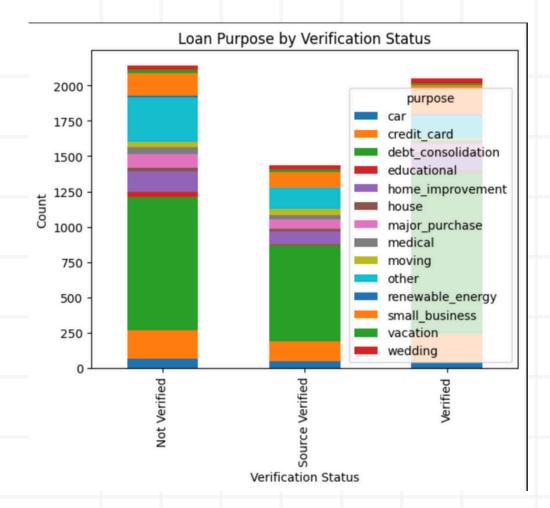
Loans between \$5,000-\$15,000 have the highest likelihood of default



BORROWERS WITH AN ANNUAL INCOME <= \$50,000 SHOW A HIGHER LIKELIHOOD OF DEFAULTING ON THEIR LOANS





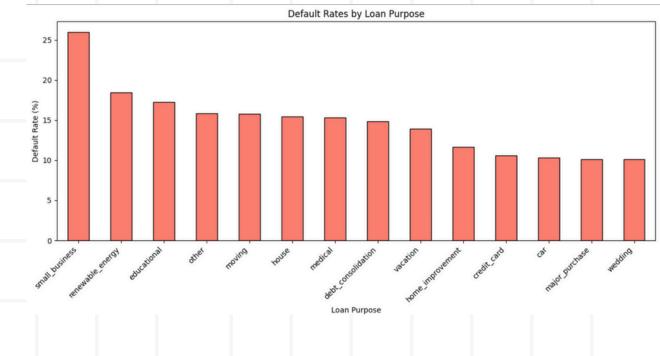


WEDDING IS THE TOP MOST REASON FOR WHICH PEOPLE ARE TAKING LOANS VACATION IS THE MAJOR REASON FOR LOAN ACROSS ALL VERIFICATION STATUSES





People with lesser annual income are more likely to default on loans





LOANS TAKEN FOR SMALL BUSINESSES AND RENEWABLE ENERGY PURPOSES HAVE THE HIGHEST DEFAULT RATES, EXCEEDING 25%

CONCLUSION

If we look at all the factors which resulted in loan being defaulted, we have got the criteria to look at while approving any loan to filter out risky ones