

DREAM HOUSING FINANCE COMPANY HOME LOAN PREDICTION

PROJECT PROPOSAL

CONTEXT

Dream Housing Finance company deals in all home loans with its presence across all urban, semi urban and rural areas. Upon receiving a home loan application, the company validates the customers eligibility for loan. But risk is always involved in the approval of the loans. Even after analyzing the loan application data numerous times, the loan approval decisions are not always correct. The Company wants to automate the loan eligibility process based on customer details provided in the application form such as Gender, Marital Status, Education, Number of Dependents, Income, Loan Amount, Loan-Term, Type of property, Credit History and others. To automate this process, they have to correctly identify the customers who are eligible for the home loan.

CRITERIA FOR SUCCESS

Design an efficient classification model to correctly predict the eligible customers.

SCOPE OF SOLUTION SPACE

Customer details provided in the applications which will be categorized as the predictor variables for the data analysis.

CONSTRAINTS

Reliability of the data, Missing values in some of the features required for analyzing the dataset.

STAKEHOLDERS

Homebuilders, Appraisers, Mortgage companies, Insurance companies, Government agencies, and Homeowners.

DATA SOURCES

The Dream Housing Finance company's home loan dataset was sourced from Kaggle.