Loan Prediction

Overview

In finance, a loan is the lending of money by one or more individuals, organizations, or other entities to other individuals, organizations etc. The recipient (i.e., the borrower) incurs a debt and is usually liable to pay interest on that debt until it is repaid as well as to repay the principal amount borrowed.

In this hackathon, you are required to predict loan_status (whether or not to approve a loan) based on the applicant's individual parameters.

Data Dictionary

The dataset contains several individual parameters which are considered important during the loan status prediction.

Train File

CSV containing the applicants details for whom **'Loan_Status'** is known.

Variable	**Description**
Loan_ID	A unique loan ID
Gender	Male/Female
Married	Married(Yes) / Not Married(No)
Dependents	Number of persons depending on the client
Education	Applicant Education (Graduate / Undergraduate)
Self_Employed	Self employed (Yes/No)
ApplicantIncome	Applicant Income
CoapplicantIncome	Co Applicant Income
LoanAmount	Loan amount in thousands
Loan_Amount_Term	Term of loan in months
Credit_History	Credit history meeting guidelines

Property_Area	Urban/Semi and Rural
Loan_Status	Loan Approved (Yes/No)

Test File

CSV containing the applicants details for whom **'Loan_Status'** is to be predicted.

Submission File Format

Variable	**Description**
Loan_ID	A Unique loan ID
Loan_Status	Predicted (Yes/No)

Public and Private LeaderBoard

Test file is further divided into Public (25%) and Private (75%).

- Your initial responses will be checked and scored on the Public data.
- The final rankings would be based on your private score which will be published once the competition is over.

Evaluation Criteria

Your model performance will be evaluated on the basis of **F1-score**.

Rubrics

Component	**Weightage**
Data Cleaning and Data Visualization	25%
Model Building and Evaluation	60%
Pipeline and Deployment (Dashboard/Webapp)	15%