

Loan Default Prediction Case Study

Dataset: [Loan_Default.csv](#)

Context

It is very critical to be able to identify the loan defaults in the financial domain. Given a set of features about a person, the goal is to predict if the person will default or not.

Objective

- To create a model that predicts if a particular person will default or not using Logistic Regression, Decision Tree and Random Forest algorithms
- Compare the model on different performance measures

Dataset

The dataset used has the below features:

- **Default** - Yes/No, categorical dependent variable suggesting the state of default.
- **Student** - Yes/No, categorical independent variable depicting if the applicant is a student or not.
- **Balance** - The account balance of the applicant.
- **Income** - The income of the applicant.