This problem is about loan defaulter’s prediction.

The objective of this exercise is to predict loan default from given client features. I have developed a machine learning model to predict loan defaulters. This ML model is able to predict 69% of the defaulters. It has also improved Return on Investment (ROI) of loans.

I have divided this project into two parts.

1. Exploratory Data Analysis and Data Cleaning:

* Selecting relevant features
* Null value imputation
* Creating dummy variables
* Handling outliers
* Multicolinearity Check

2. Training a machine learning model:

- Following algorithm used and compare the accuracy

* Logistic Regression: Accuracy: 68.09%
* Decision Tree: Accuracy: 100.00%
* Random Forest: Accuracy: 100.00%
* KNN: Accuracy: 76.60%
* Keras Classifier: Accuracy: 91.49%