

# VERZEO

## MAJOR PROJECT

- **Project Name:**

Machine Learning October Major Project

- **Project Description:**

A bank has given data of their customers and wants you to make a model that can be used to predict customer defaulter on his Upcoming EMI payment.

### BANKING BEHAVIOURAL SCORECARD MODEL

Our task is to build a banking behavioural scorecard model for internal customers through a user's liability account and predict the credit risk.

**What is a Banking behavioural scorecard ?**

Banking behavioural scorecard is a model that is maintained for a customer based on his liability transactions. Liability transactions are transactions that are transacted by an internal customer of a bank. Internal customers of a bank are the customers who have a savings account (SA) with the bank.

**How can a customer repay a loan ?**

Customer pays the loan in equal monthly instalments (EMIs). Loans get paid through post-dated cheques. Customer also has an option to pay through the Electronic Clearing System (ECS) technique or standing instructions to debit the user's HDFC Bank account with the EMI amount.

**What is the meaning of customer risk profile ?**

Customer risk profile means the probability of the customer defaulting on his EMI payment.

**Data Set :**

[https://drive.google.com/drive/folders/174lvWyZdmZsN47a\\_3VUf-cbgmKdAxNLS?usp=share\\_link](https://drive.google.com/drive/folders/174lvWyZdmZsN47a_3VUf-cbgmKdAxNLS?usp=share_link)

Columns	Description
COL 1	Unique ID
COL 2	Target
COL3 to COL 2395	Anonymized Features

**Data Volume:**

- Training Data contains 17521 rows and 2395 features
- Testing Data contains 20442 rows and 2394 features

Our Task is Predict the target variable **Col2**.