CREDIT CARD DEFAULT PREDICTION

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Introduction

- In an era where financial stability is paramount, our project, "Credit Card Default Prediction: Mitigating Financial Risk through Predictive Modeling," takes center stage.
- Discover the key factors that contribute to credit card default risk through our intuitive and user-friendly interface. Our platform aims to provide insights into the likelihood of default, helping you navigate the complexities of financial management with confidence.

Problem Statement

- The project focuses on predicting whether the person's credit card is defaulted or not using a dataset.
- From the perspective of risk management, the result of predictive accuracy of the estimated probability of default will be more valuable than the binary result of classification credible or not credible clients.

Dataset Description

- The Dataset includes information such as demographic data and Payment Details.
- Key features include ID, Gender, Age, Marital status, Payment delays, Amount used, Completed Payments
- The target variable is to find whether the client is credible or not credible .

Model Building

Three classification models have been implemented in the project:

- Logistic Regression
- Support vector Classifier

Evaluation Metrics

The performance of the models is assessed using common classification metrics:

- F1-Score
- CV-score
- Confusion Matrix

Deployment

• Framework : stream lit

• Programming Language: Python

• Version Control : Git Hub

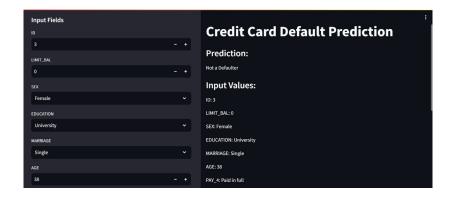
Accuracy Results

Table 1: Models with Accuracy

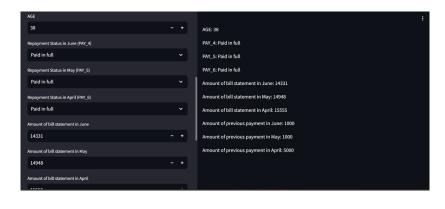
Model	Accuracy
Support Vector Classifier	0.993
Logistic Regression	100

• Selected Model : Logistic Regression

OUTPUT



OUTPUT



Thank You