

project Description



Presented by: Waad alduhami

Abstract:

THE TARGET IN THE PROJECT IS (PERSONAL LOAN)

PERSONAL LOAN: A personal loan (also known as a consumer loan) describes any situation in which an individual borrows money for personal need, including making investments in a company

Date:

The file Bank contains data on 5000 customers. The data include customer demographic information (age, income, etc.), the customer's relationship with the bank (mortgage, securities account, etc.), and the customer response to the last personal loan campaign (Personal Loan)

Some Feature

Feature	Description
ID	Customer id
Age	Customer's age in completed years
income	Annual income of the customer
CCAvg	Avg spending on credit cards per month
Personal Loan	Did this customer accept the personal loan offered in the last campaign?
Experience	years of professional experience

Education

Education Level.

1: Undergrad;

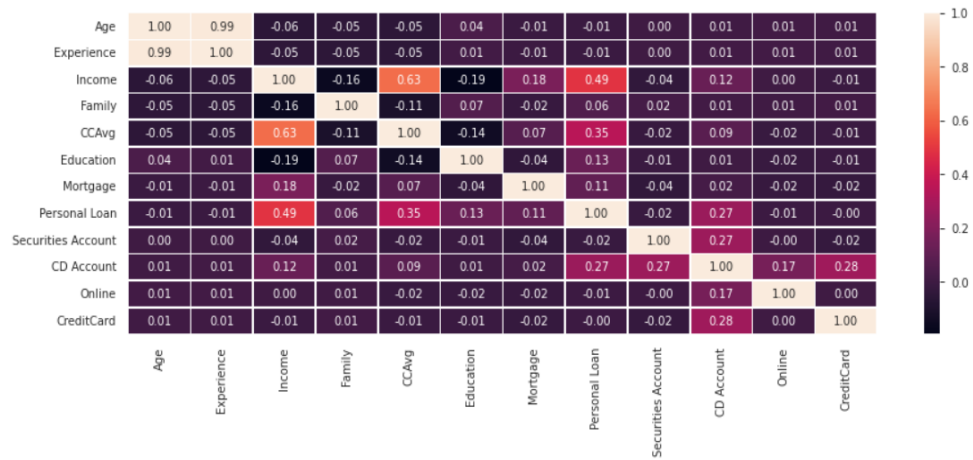
2: Graduate;

3: Advanced/Professional

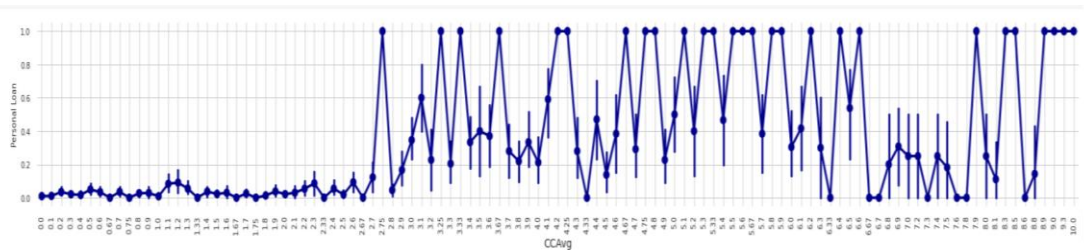
Tools:

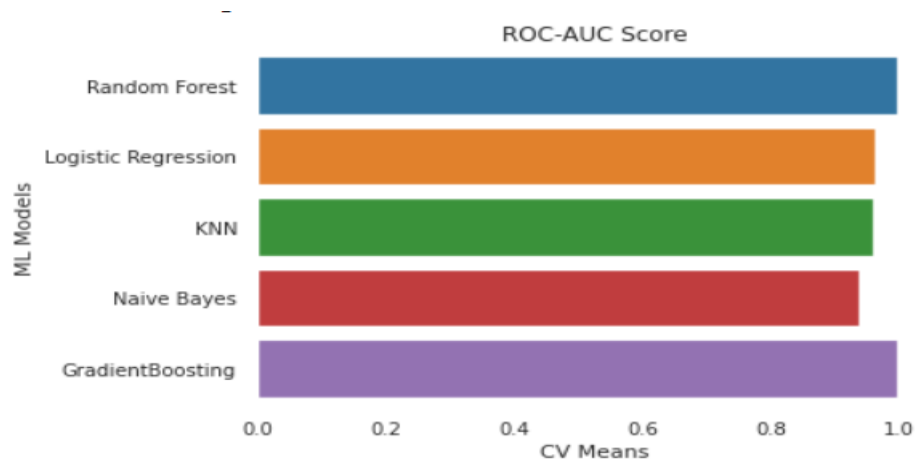
- Numpy and Pandas
- Scikit-learn for modeling
- Matplotlib and Seaborn for plotting

Communication:



The relation between cavg , personal loan





We chose the best model which is
(GradientBoosting)
Cv score:0.9976