PROJECT 1

Logistic Regression

Project Title: Customer Loan Approval Prediction using Logistic Regression

Project Description:

In this machine learning project, you will build a simple logistic regression model to predict whether a customer's loan application should be approved or not based on certain features. The goal is to create a basic binary classification system that helps a financial institution automate the loan approval process.

Dataset:

You will use a synthesized dataset containing information about customers and their loan applications. The dataset includes features like annual income, loan amount, and other relevant attributes. The target variable indicates whether the loan application was approved (1) or not (0).

By completing this project, you will gain a basic understanding of logistic regression, binary classification, and the process of building a simple machine learning model for practical applications. This project will help you develop skills in data preprocessing, feature selection, model training, evaluation, and visualization.