Deposit Prediction - Documentation

# Introduction

This project uses machine learning techniques to predict whether a client will subscribe to a term deposit based on various factors. It focuses on the financial dataset `bank.csv` and applies predictive modeling techniques.

# Project Overview

The goal is to build a predictive model using customer data to classify whether a client will subscribe to a bank deposit product. The `main.py` script handles data processing, training, and evaluation.

# Dataset

The dataset (`bank.csv`) includes various client attributes such as age, job, marital status, education, and previous interactions with the bank. The model is trained to predict the outcome of a bank deposit subscription.

# Installation

Clone the repository and install the required dependencies:  
  
```bash  
git clone https://github.com/Alvaroinfantee/DepositPrediction.git  
cd DepositPrediction  
pip install -r requirements.txt  
```

# Usage

Run the main Python script to train and evaluate the model:  
  
```bash  
python main.py  
```

# Requirements

- Python 3.x  
- Pandas  
- Scikit-learn  
- NumPy

# Contributing

Contributions are welcome. Please fork this repository, submit issues, or create pull requests to help improve the project.

# License

This project is licensed under the MIT License.