



DEPI Final Project

Credit Sector Analysis

{Team Members}

Abdallah Khaled Abdelkareem
Amr Tamer Ahmed Mohamed
Yousef Elsayed Ibrahim
Asma Magdy Hamed
Habiba Mohsen Abdelhai
Shahd Mohamed Lotfy

{Under direct Supervision}

Dr. Jakie Kamal

Summary:

This data illustrates the customers information which the bank depend on in valuing their loan eligibility and their daily transactions to reach the best decision by giving the loan to the right persons through data and scientific approaches the data includes assets valuation , balance , credit score , Card segment and income range which helps in determining the customer segment in the bank.

Objective:

- Analyze the data to check the eligibility of the customer for the loan
- Train a model to forecast the eligibility of the Customer to take a loan
- Segmentation of the customers by their Balance and Eligibility.

Technical Tools:

- **SQL:**

Analyze the data and check the main insight through the queries.

- **Python:**

Pandas for reading, editing, and saving .CSV files

Numpy for (bounded) random probability generation.

Matplotlib & Seaborn for data visualization

Gdown and os for data loading.

Sklearn for data scaling, train/validation/test data splitting, cross validation score, KNN, Logistic Regression, and model metrics

Power Bi:

Visualizing the insights using charts to produce an interactive dashboard to be able to track all customers insights.

To Access The Data:

Data Link:

https://drive.google.com/drive/folders/14SXktLZad-Ed9MWA75THF_TBMqzMUFyJ?usp=sharing

SPECIAL THANKS

Team Members