IBM Nalaiya Thiran : Data and Applied Science Project

Project Kickoff

People: 4 | Time: 2 months | Difficulty: Intermediate

This project planning explains the libraries we use and key roles, gameplay and approach towards this project , this project mainly focuses on getting high accuracy , give useful insights for stakeholders to take data driven decision of loan credibility.

Agenda

1 Project Name

Applicant Credibility Prediction for Loan Approval

A group project to implement data science project to detect whether a applicant is eligible to apply loan. by using machine learning algorithm.

Background Information

Motive of this Project is to implement loan aporoval based on applicant monthly or yearly income and other applicant details to make sure whether he/she is eligible to take loan.

Helpful Links

Press Open Link

1. Numpy Basics
2. Plotly basics
3. Xgboost

Key Players

Project Leader
P.Prathy
iv th CSE

Project Member
M.Vadivel Karthick
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Project Member
M.Durai Prabhakar
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Project Goals

1. Collect Big Data From IBM mentors or websites like kaggle,google,etc.
2. Perform Big Data storing , Cleaning , Big data analysis using lib like numpy , pandas,plotly.
3. Perform MLOPs cycle and use advanced Algorithms like gradient boosting by xgboost,etc.
4. Use aws ,azure or ibm cloud tech to deploy and do further frontend development.

Success Measures

1. Proper Planning and executing.
2. Srong support from IBM Team - Providing Big data and proper Guidance to complete this project.
3. Using Required Libraries and avoid explicity of coding while developing this project.
4. Using testing techniques like a/b testing , etc.

Timeline

2 Hopes & Fears

10 min

Hopes	Fears

3 Project Goals

problem we trying to solve?

Who
Finance Companies , staff members who work in Bank as the workload of human is low and to find out applicants eligibility is easy

What
Applicant credibility prediction for loan approval based on their income , and other details of applicant.

How?
does it occur ? By applying advanced tools like spark - for big data handling , plotly , seaborn to visualize and using scikit and xgboost to train model

Why
Its Makes work easy for officials to make insight from data visualization and make further decisions with stakeholders and other officials.

4 Defining Success

Future Headlines

Imagine the project is done and it's a HUGE success! Write a short 2-3 sentence press brief of why this was such a big success.

Success Metrics

1. This model can achieve 95 % + accuracy by training model.
2. Clear given data perfectly .

5 Team Core & Desired Capabilities

Summary : We have talented teams with different skillset and using new and professional tools in project is our main motive.

Person	
Core Capability	
Desired Capability	

6 Collaboration Agreements

Collaboration tools we use:

- IBM Watson Studio
- Open source tools like sci-kit learn , numpy , pandas , plotly , seaborn.

7 Risks

WRAP UP

Key Takeaways & Observations

1.Usage of Interactive Visualization

3. Low risks and high trust on completing this project

Next Steps