

PROJECT REPORT

Loan Prediction

*Submitted towards the partial fulfillment of the criteria for award of PGA
by Imarticus*

Submitted

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Abstract

Keywords

1. Loan Predection
2. Prediction
3. Variable
4. Growth Target
5. Management
6. Analyze

CHAPTER 1: INTRODUCTION

1.1 Title & Objective of the study

Title of the project is Loan prediction.

Objective 1: Predictive Analytics - Build a ML model to predict loan Eligibility for the customers.

Objective 2: Prescriptive Analytics – That will help in financial sector or banking specially to provide the loan to their customer.

1.2 Need of the Study

According to the features that we study about the data that will shows the likelihood to getting loan or not and that will save the money or resources for checking. the growth will decide for the company by checking the more recovery more profit. the risk of getting loss and fraud will less by getting the prediction and providing the loan. improved the customers by reminding the features to improve it and easily get the loan.

1.3 Business model

The business is completely depend on the credibility of market so we use the credit filter as alias of my model loans is act as the credit filter of the finance industry and we can improve our customer relationship by using of model that will save our resources.

1.4 Data source

The data I taken from kaggle and the concepts to solve the model by provided by imarticus ,to taking the features and predicting to loan will be giving to the customers or not.

1.5 Tools and techniques

Tools :Jupyter notebook

Techniques:- Python Libraries, Machine Learning, Data Visualization, Data Analysis.

CHAPTER 2: DATA PREPARATION AND MODELLING AND PREDICT

Preparing the the data from statistical analysis and
reducing the data from raw source
and checking for missing values and
treatment and deleting unnecessary
columns that are not related
dropping the features and encoding
the features and splitting the data set
in train test split and applying the
algorithm.the random forest and get
the best frequency in that among all .

Predicting the model and evaluating using precise
,recall ,f1 score,confusion matrix,auc
graph.

CHAPTER3 : Conclusion

The data predicted data will give the eligibility of getting loan to the customers that will help in making a lot for their customers, that will help in every business model the credibility is important for every business model that model work in various field for various sector for improvement in this business problem ,target ,sales ,profit.

The classification model is used to train the machine and able to predict from the machine model by dumping the pickle file.

CHAPTER4: REFERENCES

- GeeksForGeeks
 - <https://www.geeksforgeeks.org/machine-learning/>
- Machine Learning Mastry
 - <https://machinelearningmastery.com/>