BYTE PANACHE COMPETITION

FOUNDATIONS OF MODERN MACHINE LEARNING

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY
HYDERABAD

HUBDATA
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LOAN APPROVAL MODEL

OBJECTIVES

Constructing a ML Model which takes inputs from user and predicts the approval of loan request, by analyzing the details and documents.

METHODS

The following methods are used to complete the project:
- Data visualization
- Data Preprocessing
- Feature Extraction
- Model Construction

INPUTS

Certain data is taken as input from the customers such as Gender, Married, Dependents, Education, Self_Employed, Applicant-Income, Coapplicant-Income, LoanAmount, Loan_Amount_Term, Credit_History Property_Area.

INTRODUCTION

The purpose of Loan Approval Prediction Model with Machine Learning is to provide a quick, instantaneous and easy way to choose the deserving applicants to whom the loan can be given. Lending money to ineligible loan applicants results in the credit risk. This project provides a solution to automate the process of prediction loan approval by employing machine learning algorithm. And it also saves a lot of time for applicants and bank employees

RESULT

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ALGORITHM

Decision Tree:
In the decision tree approach, it builds the classification models to acquire rules like classification gradient models. The rules are like data featuring, creating a tree structure and decision nodes which are related to attributes. To produce the purest node, after splitting criterion of the model, the attribute with best score will be chosen as the purest node in the given model. Hence the derivation of the root node for the subsequent is done.
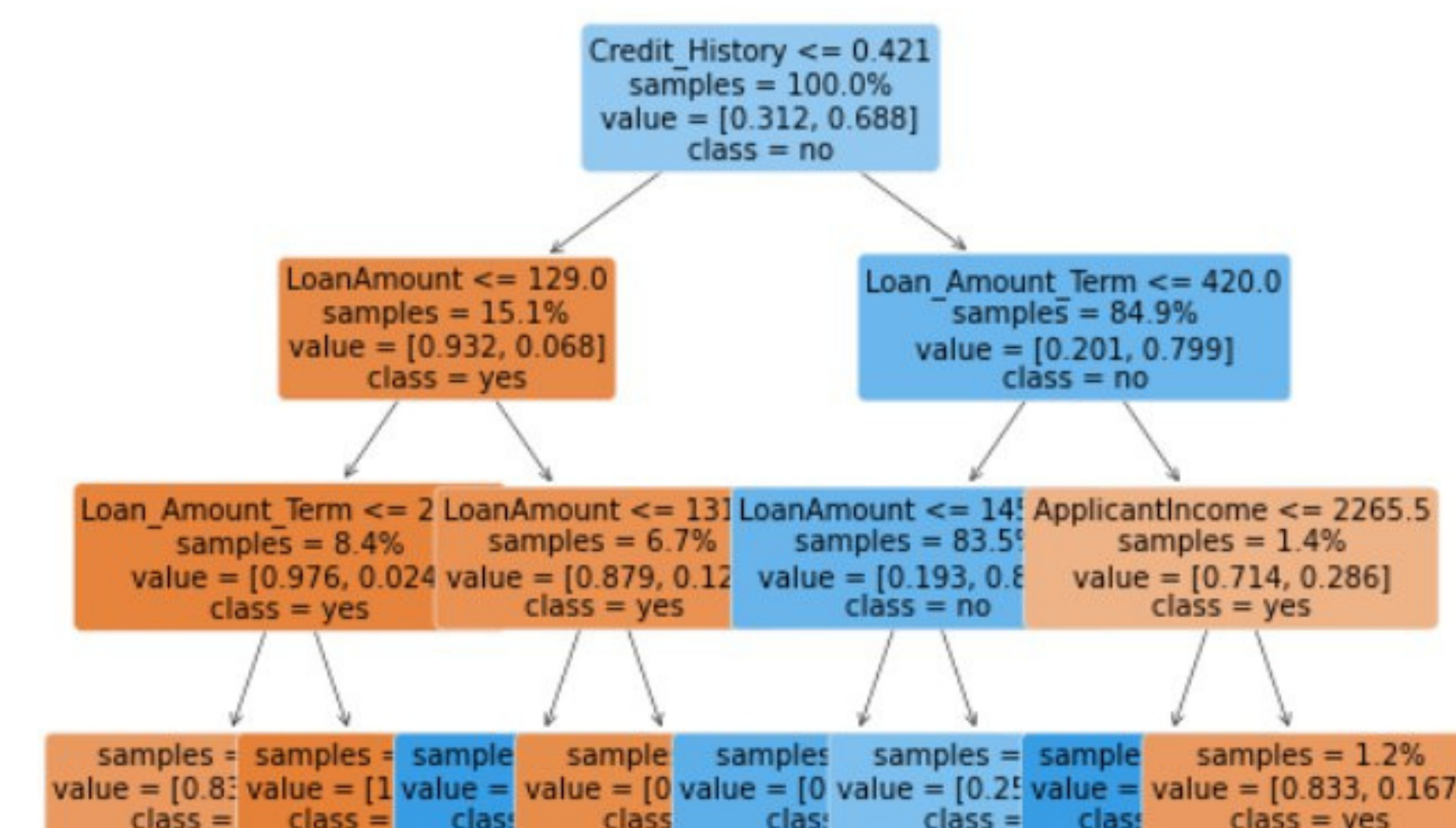
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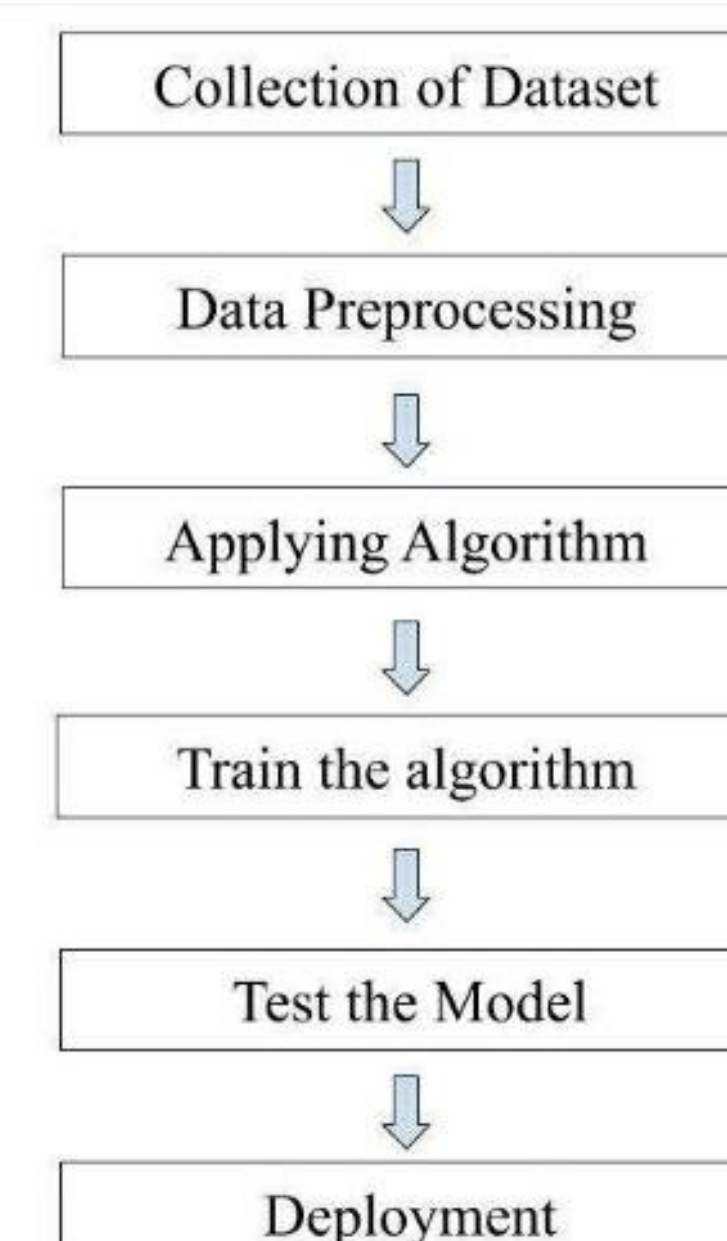
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REFERENCE

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2.https://scikit-learn.org/stable/modules/generated/sklearn.tree.plot_tree.html