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Analyze Various Student Performance Prediction Methods And Plot The Rank Based On Performance

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Abstract "The amount of data generated these days is occurrons. Analysis, and generating useful insights from largecommons. Analysis, and generating useful insights from largeterior in providing an overall view of what students know and should know, as well as what may be done to saidly their eacherin reeds. With this information, the school can make decisions to improve students' audentic performance. The eightfeance of this work is to investigate their dataset, which includes student-related characteristics, useful various methods, the control of th

Keywords: Prediction, Machine Learning, Performan Algorithm,

I. INTRODUCTION

Machine learning is an area of computer science that llows computers to learn without having to be programmed irectly. Machine learning is one of the most fascinating echnology that has ever been discovered. It gives the omputer the ability to learn, making it more human-like, as he name implies.

Multiple statistical approaches have been employed to examine and predict tudents performance from various examine and predict tudents performance from various perspectives over the years. One of the most significant fulfreduline facing higher education is the lack of decisions of the prediction of the lack of decisions. The predicting successful students fresults endiquing the contracting successful students fresults endiquing the contraction of the prediction of the predict

Based on the same dataset available in the public domain this study secks to provide a comparative analysis on severe features of Nave Bayes, XGBoost, and Logistic regression in prodicting student performance. Machine learning classification algorithms are used to apply the classification classification algorithms are used to apply the classification technique to the dataset. These models are used to improve the technique to the dataset. These models are used to improve the both classification and prediction. The Python Programming, Language is used to create these models. The Nave Bayes Classifier is based on the Bayes Theorem and the concept to probability. It frequently alphys an important part in the similarity principle is used by the classifier. It can be used to solve classification and repression difficulties. In this post, you keemed about the XiBoost algorithm for applied machine learning. That XiBoost all purity of quickly constructing classifier and the properties of the properties of difficult machine learning problems. XiBoost surpasses the competion. The method of modelling the probability of a discrete result given an input variable is known as legistic repression. The most frequent legistic regression models have a hinary outcome, which might be true or false, yes or no, and so forth.

II. LITERATURE SURVE

rianti Widya ha stuti, Viany Utami I jhin et al [1] in order to diction of Student Performance using Machine Learning study and prediction of student performance is extremely ortant.

The analysis and prediction of student performance is currently heneficials to both the student and the institution. It can assist the student in better understanding his current control of the control of the student and the student in the cent test. Institution is an adjust their coursework or include any other methods to improve student performance from the studentjoint of the institution. We need effective data analysis and prediction of student performance is cutteredly beneficial to both the student performance is cutteredly beneficial to both the control of the co

III. MOTIVATIO

Predicting student performance has become a critical issi most educational bedies and universities. This is vital help at-risk students and assure their retention, as well as typowide great learning materials and experiences, and to provide great learning materials and experiences, and the performance is a major problem in educational institutions, a range of factors can influence student progress. The following three components are necessary for predictions and the properties of the production of the productio