PREDICTING ADMISSIONS IN FORIEN UNIVERCITIES  
 USING MACHINE LEARNING TECHNIQUES

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# ABSTRACT

Every year, academic institutions invest considerable effort and substantial resources to influence, predict and understand the decision-making choices of applicants who have been offered admission. In this study, we applied several supervised machine learning techniques to four years of data on 11,001 students, each with 35 associated features, admitted to a small liberal arts college in California to predict student college commitment decisions. By treating the question of whether a student offered admission will accept it as a binary classification problem, we implemented a number of different classifiers and then evaluated the performance of these algorithms using the metrics of accuracy, precision, recall, F-measure and area under the receiver operator curve. The results from this study indicate that the logistic regression classifier performed best in modeling the student college commitment decision problem, i.e., predicting whether a student will accept an admission offer, with an AUC score of 79.6%. The significance of this research is that it demonstrates that many institutions could use machine learning algorithms to improve the accuracy of their estimates of entering class sizes, thus allowing more optimal allocation of resources and better control over net tuition revenue.

## INTRODUCTION

Student Grade Prediction is a way of predicting a student grade based on his/her previous marks. To provide User friendly environment a web page is also created through which any student can enter his/her previous three years marks in the web page by using web link provided then after entering they click on the submit button. After pressing the submit button then it will be directed to another tab which contains the GRADE of that student followed by a message about his/her capabilities.

This also makes the student know whether he/she is in a position to reach his/her expected marks or not. If this model shows that he/she needs to improve then that student can prepare more for that semester so that he/she can reach their expected score.

# Conclusion

Thus, we can predict the admissions by using there marks which they have Scored in exams. By using machine learning techniques

SOFTWARE REQUIREMENTS

**Software Required**: Python, pycharm IDE.

**Prgrammning Languagues**: Python

**Internal Libraries**:Streamlit,pickle,pandas-profiling,pandas,numpy,skrit-learn,etc.,

**Algorithms used**: classifying models,linear Regression.

HARDWARE REQUIREMENTS

Processor: intel® Core™ i5-7200U CPU @ 2.50Hz 2.70GHz

RAM: 4GB

Operating systems: Windows 10 Home Basic 64-bit