Literature Survey

Date	17 September 2022
Team ID	PNT2022TMID22967
Project Name	Project – University Admit Eligibility Predictor

A Machine Learning Approach for Graduate Admission Prediction

ABSTRACT:

With the increase in the number of graduates who wish to pursue their education, it becomes more challenging to get admission to the students' dream university. Newly graduate students usually are not knowledgeable of the requirements and the procedures of the postgraduate admission and might spent a considerable amount of money to get advice from consultancy organizations to help them identify their admission chances. However, giving the limited number of universities that can be considered by a human consultant, this approach might be bias and inaccurate. Thus, in this paper, a machine learning approach is developed to automatically predict the possibility of postgraduate admission to help graduates recognizing and targeting the universities which are best suitable for their profile. This paper evaluates three learning strategies of regression to predict the university rate given the students' profile; namely, linear regression, decision tree, and logistic regression model. This paper evaluates, these models to select the best model in terms of the highest accuracy rate and the least error. Logistic Regression model shows the most accurate prediction in our experiments, and hence, we suggest employing this model to predict the future applicant's university chance of admission.

Reference:https://www.researchgate.net/publication/341584940_A_Machine_Learning_Approach_for_Graduate_Admission_Prediction

Machine learning approach to predicting the acceptance of academic papers

ABSTRACT:

In this paper, machine learning approaches have been used to predict whether a scientific paper will be accepted in a top-tier AI conferences or not. This shall help authors identify the likelihood of their paper getting accepted in a top-tier AI conference. We have used the PeerRead dataset containing papers collected from major AI conferences that are publicly available. We have achieved an accuracy of 81% using Random Forest classifier. The novelty of the paper lies in accurately predicting whether a scientific paper will be accepted in the top AI conference.

Reference:https://www.researchgate.net/publication/343783292_Machine_learning_approach_to_predicting_the_acceptance_of_academic_papers