Literature Survey

Prediction for University Admission using Machine Learning

Author: Chithra Apoorva D.A, Metaleptic ChanduNath, Peta Rohith, Bindushree.S Warsop.S,

Abstract: On topics relating to university admission used many machine learning models which helps the students in the admission process to their desired universities. Previous research done in this area used Naive Bayes algorithm which will evaluate the success probability of student application into a respective university but the main drawback is they didn't consider all the factors which will contribute in the student admission process like TOEFL/IELTS, SOP, LOR and under graduate score. Bayesian Networks Algorithm have been used to create a decision support network for evaluating the application submitted by foreign students of the university. This model was developed to forecast the progress of prospective students by comparing the score of students currently studying at university. The model thus predicted whether the aspiring student should be admitted to university on the basis of various scores of students. Since the comparisons are made only with students who got admission into the universities but not with students who got their admission rejected so this method will not be that much accurate..

Predicting Undergraduate Admission

Authors: Md. Protikuzzaman , Urinal Kanti Baowaly , Maloy Kumar Devnath, Bikash Chandra Singh
Abstract : The university admission tests find the applicant's ability to admit to the desired university. Nowadays, there is a huge competition in the university admission tests. The failure in the admission tests makes an examinee depressed. This paper proposes a method that predicts undergraduate admission in universities. It can help students to improve their preparation to get a chance at their desired university. Many factors are responsible for the failure or success in an admission test. Educational data mining helps us to analyse and extract information from these factors. Here, the authors apply three machine learning algorithms XGBoost, LightGBM, and GBM on a collected dataset to estimate the probability of getting admission to the university after attending or before attending the admission test. They also evaluate and compare the performance levels of these three algorithms based on two different evaluation metrics – accuracy and F1 score. Furthermore, the authors explore the important factors which influence predicting undergraduate admission

Graduate Admission Prediction Using Machine Learning

Authors: Acharya MS, Gupta N, Janani P ,NavoneelChakrabarty ,ChithraApoorva

Abstract : In India every year lacks of students getting the graduation degree and willing to join post-graduation in other countries. 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. Human consultant and calculations might be bias and inaccurate. This paper helps on predicting the eligibility of Indian students getting admission in best university based on their Test attributes like GRE,TOEFL,LOR,CGPA etc. according to their scores the possibilities of chance of admit is calculated.

Problem Statement

1.Gopi need to know his eligibility to join the undergraduate eligibility colleges.
It helps students to get the list of colleges to which they can apply as the system shortlists the colleges   by comparing the student marks and college's cut off.

2.Student can register themselves using web portal by entering their personal as well as marks details.
Once registration is successful ,they can login and view colleges allotted based on their marks.

3.The chances of occurrences of error is less when compared to the existing system for students to join an affiliated college.

4.Can be used by various universities to allotting multiple students in multiple colleges.

5.Reducing time in activities: Reduce the time taken process the applications of students ,admitting a student, conducting the online examination, verify student marks, and send call letters to selected students.

6.Paperless admission with reduced man power : Reduce the manpower needed to perform all the admission and administration task by reducing the paper works needed.Cost cutting.
Reduce the cost involved in the admission process.