UNIVERSITY ADMIT ELIGIBILTY PREDICTOR

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PREDICTING STUDENT UNIVERSITY ADMISSION USING LOGISTIC REGRESSION

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In this project the primary purpose is to discuss the prediction of student admission to university based on numerous factors and using logistic regression. The admission decision depends on criteria within the particular college or degree program. The independent variables in this study will be measured statistically to predict graduate school admission. Exploration and data analysis, if successful, would allow predictive models to allow better prioritization of the applicants screening process to Master's degree programe which in turn provides the admission to the right candidates. Student admission for the Master's degree program consists of different criteria/scores. The purpose of this analysis is to demonstrate the top contributing scores which help the student to get the admission into the Master's degree program. The analysis might seem straight forward but caution has to be exercised to consider the scores like GRE, TOEFL, university rating, SOP, LOR and CGPA and any outliers should not impact the decision making process. This dataset is created for prediction of Graduate Admissions. The admission decision depends on criteria within the particular college or degree program.

GRADUATE ADMISSION PREDICTION USING MACHINE LEARNING

Sara Aljasmi

In this paper she addresses machine learning models to predict the chance of a student to be admitted to a master's program. The dataset presented in this paper is related to educational domain. This will assist students to know in advance if they have a chance to get accepted. Young workers who want to stand out in their jobs are always looking for higher degrees that can help them in improving their skills and knowledge. Admission is a dataset with 500 rows that contains 7 different independent variables. Data processing and future selections are correlated variables, outliers, dataset division. Model designs used in this are Independent Variable Importance historgram, linear regression, Multi collinearity Issue, normality test. The machine learning models included are Shapiro-Wilk Normality Test multiple, linear regression, k-nearest neighbor, random forest, and Multilayer Perception. Results and discussions are used in this are statistical test, mean absolute error. In this paper, machine learning models were performed to predict the opportunity of a student to get admitted to a master's program. As for the future work, more models can be conducted on more datasets to learn the model that gives the best performance.

UNIVERSITY ADMISSION PREDICTION USING MACHINE LEARNING

Kruthika C S

In this paper they explained that there are numerous quantities of understudies who need to seek after higher training in the wake of Engineering or any Graduate Certificated course. Depend on that nature they give higher priority for admission. Machine learning techniques are used in this to predicate the eligibility. Methods description used in this are data collection, preprocessing, model selection, train and test data, evaluation model. Data visualization I used in this to represent data in a graph, chart, or other visual format. A portion of the essential pre-handling strategies that can be utilized to change over crude data are Conversion of Data, Ignoring the missing qualities, Filling the missing qualities, detection of expectations, future extractions. A web interface is built to take input and display an output. Flask language is used to build a web interface and pickle library is used to integrate both model and web page. Data visualization is used to represent data in chart . The primary objective of this work is that the understudies can have an open-source AI model which will assist the understudies with knowing their opportunity of entrance into a specific college with high exactness

COLLEGE ADMISSION PREDICTIOR

Engineering/Diploma/Bsc-IT/Msc-IT Projects, IT Projects

In this project Engineering Admission Predictor System, it is web based application in which students can register with their personal as well as marks details for prediction the admission in colleges and the administrator can allot the seats for the students. Administrator can add the college details and he batch details. The admission decision depends on criteria within the particular college or degree program. The independent variables in this study will be measured statistically to predict graduate school admission. Using this software, the entrance seat allotment became easier and can be implemented using system. The main advantage of the project is the computerization of the entrance seat allotment. The system comprises of 2 major modules with their sub-modules. One is Admin, and it consists of Add College, Add Cut off, manage /view college, view students, view feedback as the sub modules. Another is module, and that consists of Register, view College, View profile as the sub module. The main application of this project is this can be used by various universities for allotting multiple students in various colleges. Software Requirements needed for this project are Windows 7 or higher WAMP, Server, Notepad++, My SQL 5.6. And hardware

requirements needed for this project are Processor – Dual Core or higher, Hard Disk – 50 GB, Memory – 1GB RAM.

STUDENT ADMISSION PREDICTOR

Himanshu Sonawane

In this paper she explained that the research was to develop a prototype of the system that can be used by the students aspiring to pursue their education in their dream universities. This has been done using data analytics. Methodologies used in this are business understanding, data understanding, data preparation, modeling, evaluation, deployment. It is implemented using data set, extraction and transformation, algorithms and architecture. Multiple machine learning algorithms were used for this research, k-nearest neighbor, logistic regression and decision tree. Algorithms were tested and their performance was evaluated based on different factors like Accuracy, Sensitivity, Specificity and Kappa value. Accuracy was considered to be main metric for the evaluation purpose. A simple user interface was developed to make the application interactive and easy to use for the users from the non-technical background. It will help the students to make better and faster decision regarding application to the universities.

UNIPREDICT,University Admissions Predictor

Aanchal Thakur

This project Unipredict is an AI based application that asks for the users to input their academic transcripts data and calculates their chances of admission into the University Tier that they selected. It also provides an analysis of the data and shows how chances of admissions can depend on various factors. This project is intended to direct the design and implementation of the target system in an object-oriented language. In this project the languages used are Python, HTML, Java script, CSS. And the Database used in this project is MongoDB. Development Platform in this project is done by Visual Studios Code. And the data Set Used is Graduate Admissions 2 Dataset. The scope of this project is a web application that allows users to enter their academic data and get predictions of their chances of admissions in the university tier of their choosing. It also provides them answers to the most common FAQ's that arise when thinking of admissions abroad for Post Graduate studies. A Database will also be implemented for the system so that students can save their data and review and edit it as they progress with the most recent predictions being saved with their profile.

PREDICTION PROBABILITY OF GETTING AN ADMISSION INTO A UNIVERSITY USING MACHINE LEARNING

IEEE,A. Sivasangari; V. Shivani

In this project the main aim is to develop a model that predict the percentage of chances into the university accurately. This model provides also the analysis of scores versus chance of prediction based on historical data so that students can understand whether their profile is suitable or not. The proposed model uses linear regression and random forest algorithms but cat boost algorithm is giving highest accuracy.

A RECOMMENDER SYSTEM FOR PREDICTING STUDENTS ADMISSION TO A GRADUATE PROGRAM USING MACHINE LEARNING ALGORITHMS.

Inssaf El Guabassi, Abdelmalek Essaadi University, Tetouan, Morocco

In this project the main purpose is to provide a recommender system for early predicting university admission. Therefore, the contributions are threefold: The first is to apply several Supervised Machine Learning algorithms namely Linear Regression, Support

Vector Regression, Decision Tree Regression, and Random Forest Regression. The second purpose is to compare and evaluate algorithms used to create a predictive model based on various evaluation metrics. The last purpose is to determine the most important parameters that influence the chance of admission. The experimental results showed that the Random Forest Regression is the most suitable Machine Learning algorithm for predicting university admission. Also, the Cumulative Grade Point Average is the most important parameter that influences the chance of admission

COLLEGE ADMISSION PREDICTION USING EMSEMBLE MACHINE LEARNING MODELS

Vandit Manish Jain, Rihaan Satia

This paper aims to build a model that can help students to pick the right universities based on their profiles. We can judge across a wide variety of domains that include MS (international), M.Tech (India) and MBA (India and International). For the accurate predictions we plan on training a machine learning model in order to provide results. The dataset contains information on the student profile and the university details with a field detailing if the admission was positive or not. Various algorithms have been used i.e. Ensemble Machine Learning and the predictions have been compared using key performance

indicators (KPIs). The model performing the best is then used to evaluate the dependent variable i.e. The chances of admit to a university. The chances of admit variable is a variable ranging from 0 to 1 which equates to the predicted probability of successful acceptance to a university. We also aim to create a portal which filters and then provides a list of universities that fall into the profile's acceptance range.

STUDENT ADMISSION PREDICTOR

Himanshu Sonawane

In today’s era we see a lot of students pursuing their education away from their home countries. The main country targeted by these international students is The United States of America. Majority of the international students in the United States of America are from India and China. With the increase in the number of international students studying in the USA, each applicant has to face a tough competition to get admission in their dream university. Generally as the students don’t have much idea about the procedures, requirements and details of the universities in the USA they seek help from the education consultancy firms to help them successfully secure admission in the universities which are best suitable for their profile, for this they have to invest huge amount of money as consultancy fees. Apart from these the education consultancy firms there are few websites and blogs that guide the

students on the admission procedures. The aim of this research is to develop a system using machine learning algorithms, we will name it as Student Admission Predictor (SAP). It will help the students to identify the chances of their application to an university being accepted. Also it will help them in identifying the universities which are best suitable for their profile and also provide them with the details of those universities. A simple user interface will be developed for the users to access the SAP system. Universities take into consideration different factors like score on aptitude based examination like the General Record Examination (GRE), command over the English language is judged based on their score in English competency test like Test Of English as a Foreign Language (TOEFL) OR International English Language Testing System (IELTS), their work experience in same or other fields, the quality of the Letters Of Recommendation (LOR) and the Statement Of Purpose documents provided by the student etc. Based on the overall profile of the student decision is taken by the universities admission team to admit or reject a particular candidate. This research will thus eventually help students saving the extra amount of time and money they have to spend at the education consultancy firms. And also it will help them to limit their number of application to a small number by proving them the suggestion of the universities where they have the best chance of securing admission thus saving more money on the application fees.