Title of the paper: Graduate Admission Prediction Using Machine Learning Techniques

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Theme:

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.

Inference:

- The proposed system consist of four regression models. Out of those we use Linear Regression using Dimensionality Reduction which is also a high accurate model.
- A user interface is provided through which an actor can interact with the system.
- The algorithm with improved accuracy will act as a backend for the user interface.
- Whenever any actor (Student/Consultancy) provides the data to the user interface it will show the result of Chance of Admission which is ranging 0 to 1.
- Steps for giving user data as input:
    1. Initially the user has to open our website and provide all the requested values.
    2. The user has to give his GRE score within the range of 270 to 340.

3. The user has to give his TOEFL score within the range of 100 to 120.
4. The user has to give his LOR number within the range of 1 to 5
5. The user has to give his CGPA score within the range of 6.5 to 10
6. In the same way he/she has to select values within given ranges or given options.
7. All the given inputs are displays in screen and prediction is also displayed output is ranging from 0 to 1.

- Benefits of the Proposed System :

  High R2 score

  Low Root Mean Square Error (RMSE)