Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

CSE4108: Artificial Intelligence Lab

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Documentation of the Dataset

Lab Section: A1

Submitted To

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1   Overview of the Dataset

Name of the Dataset	US Graduate Schools Admission Parameters Dataset
File Format of the Dataset	.csv
Dimension of the Dataset	500 x 9
Number of Total Columns	9
Number of Total Rows	500
Number of Feature Columns	7
Name of Feature Columns	GRE Score, TOEFL Score, University Rating, SOP, LOR, CGPA, Research
Number of Target Column(s)	1
Name of Target Columns	Chance of Admit

2   Description of the Features in the Dataset

Name of the Feature : GRE Score
Unit : Integer
Range : 280 - 340
Description : The Graduate Record Examinations (GRE) is a standardized test that is an admissions requirement for many graduate schools in the United States and Canada and few in other countries. The GRE exam is a two part examination. Second part is out of 340 and minimum score is 280. Whatever the score is, it will always be an integer number and never be a fraction.

Name of the Feature : TOEFL Score
Unit : Integer
Range : 90 - 120
Description : Test of English as a Foreign Language (TOEFL) is a standardized test to measure the English language ability of non-native speakers wishing to enroll in English-speaking universities. Lowest possible mark for TOEFL exam is 90 and highest possible is 120. Like GRE, the score of TOEFL exam will always be an integer.

Name of the Feature : University Rating
Unit : Integer
Range : 1 - 5
Description : Universities are ranked from 1 to 5 where 1 being the best university and 5 being the worst (comparing to 1). For the same score in GRE/TOEFL/SOP

etc, The probability of getting the chance of admission will be higher in rank 5 university than that of rank 1 university.

Name of the Feature : SOP
Unit : Float
Range : 1 - 5
Description : The SOP is one's Statement of Purpose. It is a document in which one write about himself and make the first impressions to the admissions committee. It is the first part of GRE examination and is out of 5. Lowest possible score is 1 and highest is 5 out of 5. The score can be fraction but will always be divisible by 0.5.

Name of the Feature : LOR
Unit : Float
Range : 1 - 5
Description : The LOR is a Letter of Recommendation from reputable teachers and professors. A letter of recommendation for USA universities is a mandatory requirement for admission at all study levels, from bachelor to doctoral courses. Students are asked to submit two to three academic LORs or professional LORs, depending upon their choice of program. It is sometimes scored out of 5. Lowest possible score is 1 and highest is 5 out of 5. The score can be fraction but will always be divisible by 0.5, just like LOR.

Name of the Feature : CGPA
Unit : Float
Range : 2.20 - 4.00
Description : Cumulative Grade Point Average or CGPA along with GRE scores are the two most important scores for the admission in US Graduate School. Different countries measure CGPA in different methods and the range differs from one another. In Bangladesh, it is calculated out of 4.00. The minimum CGPA score to get an undergraduate degree in any university in Bangladesh is 2.20. So, the range of CGPA will be minimum 2.20 and maximum 4.00 and will be a floating number.

Name of the Feature : Research Experience
Unit : Integer
Range : 0 - 1
Description : By research experience column, it is referring to one's having the experience of working in research before. If the answer is yes, then the value will be 1 and 0 otherwise.

3   Data Sources

Data are collected from below sources:

[1] https://grad.ucla.edu/funding/tuition/

[2] https://grad.ucla.edu/graduate-program-statistics/

[3] https://grad.ucla.edu/graduate-program-statistics/postdocs/
     ?t=AnnualSnapshot

[4] https://grad.ucla.edu/graduate-program-statistics/admissions/
     ?t=Historicaltrends

[5] https://grad.ucla.edu/graduate-program-statistics/admissions/
     ?t=Annualsnapshot