**Description of the Data**

Source: The dataset, "Admission\_Predict.csv", was imported from <https://www.kaggle.com/datasets/mohansacharya/graduate-admissions>

Observations: Each record in the dataset corresponds to an individual applicant's submission.

**Variables Description:**

| Variable Name | Type | Unit | Description |
| --- | --- | --- | --- |
| **GRE Scores** | Quantitative | (out of 340) | * The Graduate Record Examination (GRE) is a standardized test used for admissions into graduate programs worldwide. * Higher scores indicating better performance. |
| **TOEFL Scores** | Quantitative | (out of 120) | * The Test of English as a Foreign Language (TOEFL) is a standardized test to measure the English language proficiency of non-native speakers. * Higher scores indicating better performance. |
| **University Rating** | Quantitative | (out of 5) | * This parameter likely refers to the perceived or actual ranking or reputation of the applicant's undergraduate institution. * Higher ratings typically indicate institutions with better academic standing or reputation. |
| **Statement of Purpose (SOP)** | Quantitative | (out of 5) | * Statement of Purpose strength |
| **Letter of Recommendation (LOR)** | Quantitative | (out of 5) | * Letter of Recommendation strength |
| **Cumulative Undergraduate CGPA** | Quantitative | (out of 10) | * The average of a student's academic performance throughout their undergraduate studies. * Higher values indicating better academic performance. |
| **Research Experience** | Quantitative (Binary) | 0 or 1 | * Whether the applicant has research experience (1) or not (0). |
| **Chance of Admit** | Quantitative | From 0 to 1 | * The predicted probability of an applicant being admitted to a graduate program based on the other variables in the dataset. * Values range from 0 to 1, where 0 indicates no chance of admission and 1 indicates certainty of admission. |
| **Admit\_Category** | Categorical | Low  Medium  High | * Categorical admission Likelihood where |