Abstract – Group 3

Our study aims to address a classification issue in the field of higher education. Each year, over one hundred thousand students in India aim to go to the United States to pursue a graduate degree in their field of interest. However, only a select handful make it to elite Ivy League universities. We would like to fix this issue by gathering data on the academic standing and career experiences of admitted and rejected students from the past. This allows us to recommend a university to a prospective student that he or she is extremely likely to be accepted into, so assisting them in making an informed decision. If someone is still in the process of finalizing their plan to study abroad, we can notify them of any profile deficiencies that need to be addressed in order for their profile to be the greatest match for the university of their choice. From a business perspective, there are numerous consultancies that charge students exorbitant fees for individualized guidance. If consultants are able to adopt such machine learning models, it will raise their credibility with the student market, hence boosting their profitability. This dataset contains 53,000 data points on 26 student characteristics, including GPA, research experience, academic and language test scores, work experience, etc.

Link to our dataset: https://www.kaggle.com/datasets/nitishabharathi/university-recommendation