Campus Placement Prediction

Aim: The aim of this project is to determine what variables can increase the chances of securing a job placement in college recruitment event. We will be doing visualization and predictive model to classify if a given student can get a placement or not.

Introduction: Placements are considered to be very important for each and every college. The basic success of the college is measured by the campus placement of the students. Every student takes admission to the colleges by seeing the percentage of placements in the college. Hence, in this regard the approach is about the prediction and analyses for the placement necessity in the colleges that helps to build the colleges as well as students to improve their placements.

Almost each and every student has to go through placement process during the final year of their respective university courses. But what factor really affects the placement of student? Is it their college degree percentage? School percentage? Performance in entrance test of company? We will be studying about all these factors in this project. Not only this we will also be developing a predictive model to classify if a given student can get a placement or not.

The whole approach is depicted by the following flowchart.

Model building

Exploratory data analysis

Data pre-processing

Gathering data

Figure 1: Flow chart of the technique

Classification: Logistic, SVM, Naïve Bayes, KNN, Random forest, decision tree

Supervised learning

Regression: Linear regression, SVR, Decision tree, Random Forest.

Machine learning

Unsupervised learning

Clustering: K-Means, K-Medoids, Fuzzy CMeans,

Figure 2: Machine learning algorithms

Requirements: Software: Google colab, scikit library, matplotlib library, seaborn library.