

Campus Placement EDA

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Background

Academic and Employability Factors influencing campus placement Job placement has always been a mystery, a blackbox if one may say, as there are countless possibilities of how an employer may assess a candidate, moreover in how the quality factors a candidate possesses. It is evident that source university is insufficient as a predictor to truly understand why some receive placement and others don't. Therefore, given that students graduate from an identical university, we would like to dive deeper into the inward factors that behave as strong predictors regarding job placement. We hope the findings will be valuable for universities, to adequately prepare its students for the job market, and for students, to best prepare themselves for the job-searching massacre amidst the rapidly deprecating economy due to the mischievous COVID-19.

Looking into the Dataset

This data set consists of Placement data of students in Jain University Bangalore. It includes secondary and higher secondary school percentages and specialization. It also includes degree specialization, type and Work experience and salary offers to the placed students

```
placement.df.raw <- read.csv("placement_data.csv",
                             colClasses = c("integer",
                                             rep(c("factor", "numeric"), 2),
                                             rep(c("factor", "factor", "numeric"), 2),
                                             "factor", "numeric", "factor", "integer"))
head(placement.df.raw)
```

##	sl_no	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	workex
## 1	1	M	67.00	Others	91.00	Others	Commerce	58.00	Sci&Tech	No
## 2	2	M	79.33	Central	78.33	Others	Science	77.48	Sci&Tech	Yes
## 3	3	M	65.00	Central	68.00	Central	Arts	64.00	Comm&Mgmt	No
## 4	4	M	56.00	Central	52.00	Central	Science	52.00	Sci&Tech	No
## 5	5	M	85.80	Central	73.60	Central	Commerce	73.30	Comm&Mgmt	No
## 6	6	M	55.00	Others	49.80	Others	Science	67.25	Sci&Tech	Yes

##	etest_p	specialisation	mba_p	status	salary
## 1	55.0	Mkt&HR	58.80	Placed	270000
## 2	86.5	Mkt&Fin	66.28	Placed	200000
## 3	75.0	Mkt&Fin	57.80	Placed	250000
## 4	66.0	Mkt&HR	59.43	Not Placed	NA
## 5	96.8	Mkt&Fin	55.50	Placed	425000
## 6	55.0	Mkt&Fin	51.58	Not Placed	NA

```
summary(placement.df.raw)
```

```
##      sl_no      gender      ssc_p      ssc_b      hsc_p
## Min.   : 1.0    F: 76    Min.   :40.89    Central:116    Min.   :37.00
## 1st Qu.: 54.5    M:139    1st Qu.:60.60    Others : 99    1st Qu.:60.90
## Median :108.0                      Median :67.00                      Median :65.00
## Mean   :108.0                      Mean   :67.30                      Mean   :66.33
## 3rd Qu.:161.5                      3rd Qu.:75.70                      3rd Qu.:73.00
## Max.   :215.0                      Max.   :89.40                      Max.   :97.70
##
##      hsc_b      hsc_s      degree_p      degree_t      workex
## Central: 84    Arts    : 11    Min.   :50.00    Comm&Mgmt:145    No :141
## Others :131    Commerce:113    1st Qu.:61.00    Others   : 11    Yes: 74
##                      Science : 91    Median :66.00    Sci&Tech : 59
##                      Mean   :66.37
##                      3rd Qu.:72.00
##                      Max.   :91.00
##
##      etest_p      specialisation      mba_p      status
## Min.   :50.0    Mkt&Fin:120    Min.   :51.21    Not Placed: 67
## 1st Qu.:60.0    Mkt&HR : 95    1st Qu.:57.95    Placed     :148
## Median :71.0                      Median :62.00
## Mean   :72.1                      Mean   :62.28
## 3rd Qu.:83.5                      3rd Qu.:66.25
## Max.   :98.0                      Max.   :77.89
##
##      salary
## Min.   :200000
## 1st Qu.:240000
## Median :265000
## Mean   :288655
## 3rd Qu.:300000
## Max.   :940000
## NA's   :67
```

- sl_no: serial number
- gender: Gender- Male='M',Female='F'
- ssc_p: Secondary Education percentage- 10th Grade
- ssc_b: Board of Education- Central/ Others (10th Grade)
- hsc_p: Higher Secondary Education percentage- 12th Grade
- hsc_b: Board of Education- Central/ Others (12th Grade)
- hsc_s: Specialization in Higher Secondary Education
- degree_p: Degree Percentage
- degree_t: Under Graduation(Degree type)- Field of degree education
- workex: Work Experience
- etest_p: Employability test percentage (conducted by college)
- specialisation: Post Graduation(MBA)- Specialization
- mba_p: MBA percentage
- status: Status of placement- Placed/Not placed
- salary: Salary offered by corporate to candidates

Data Visualization