**Report on MBA Analysis Project**

**By**

**Anjali Jha**

**IIT Kharagpur**

**Email:anjalijha167 @gmail.com**

**Contact:9672076045**

**This is the analysis of MBA Starting Salaries HBR Case Study and the following points are being made after interpretation of the output of the analytics on the dataframe:-**

* **The MBA field is dominated by men over women by a ratio of 3:1.**
* **The mean GMAT score is 619.5 and the median is 620.**
* **The mean spring average is 3.025 and mean fall average is 3.062**
* **The mean work experience is 3.872yrs**
* **The mean percentile of the students is 84.52 and the median is 87**
* **The number of placed students to those who weren’t is almost in a 1:1 ratio.**
* **From the covariance matrix we can say that salary is positively related to sex, overall GMAT score, s\_avg, f\_avg work\_exp and frst\_lang.**
* **By fitting a regression model running through origin because assuming without any degree**

**or experience people can’t get job.**

**Positive t value for s\_avg, first language English and work experience (Higher the positive**

**value, lesser the likelihood of value being 0 by chance)**

**The model’s, p-value:2e- 16 is also lower than the statistical significance level of 0.05, this**

**indicates that we can safely reject the null hypothesis that the value for the coefficient is**

**zero (or in other words, the predictor variable has no explanatory relationship with the**

**response variable)**

**The model has a F Statistic of 1.1e+03 on 4 and 99 DF, which is high.**