Analysis

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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:2.2e-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 920.3 on 4 and 99 DF which is high.