I came across a very interesting dataset the AMCAT 2015 dataset which had the academic records and details of first job offered for 8000 students in India. A quick analysis provides some interesting aspects into what contributes to the starting salary of an individual.

**Academic Performance**:

The dataset provided with Class 10 percentage, 12percentage and the CGPA in college. Now finding the correlation between them and the marks gives the following:

Students scoring higher percentage of marks in 10th Class perform better in 12th Class and the same happens in College. However the interesting aspect to note is that the correlation between marks scored and the starting salary is around 0.2 which is quite low and goes against the widely accepted notation that higher grades result in higher salary.

**Board of Eduacation in Class 12** :

**State of College and College-Tier** : Plotting the mean salary of students grouped by their State of college and tier it shows Tier-1 colleges in Rajasthan show exceptionally high performance which I believe is due to presence of BITS Pilani, Rajasthan. A clear expected result is that for all states, students of Tier 1 college have a higher starting salary than others showing college plays a important role in starting salary.

**State College vs Development of State**

**Job Designation:**

**Job City**

Starting salaries in Greater Noida trump closesy followed by Bangalore, the IT capital of the country. It may be noted that Greater Noida has far fewer students( INSERT NO ) than Bangalore(Insert Number) indicating that securing a job in Noida may be difficult and more rewarding.

**Delay/ Gap Years:**

The dataset provided the details of Date of Birth of candidate and the joining date of the candidate. I created a new feature- delays which stored the difference or the age at which the student gets the job. The related correlation coeffieicnt comes out to be 0.2. ie. more the age of the student, lesser the starting salary but here too the factor is too small to be taken into serous consideration. Maybe this is the reason why students have a hard time deciing whetahet to drop a year between their 12th and joning engineering.

**Specialization:**

A plot of average salaries grouped over the common areas of specialization shows that