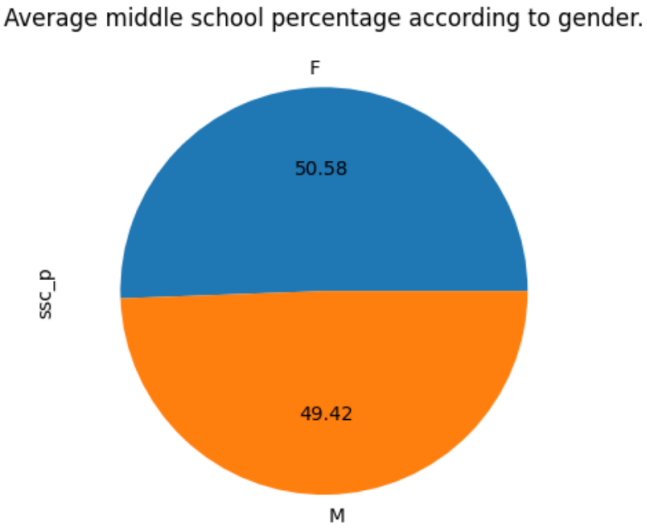
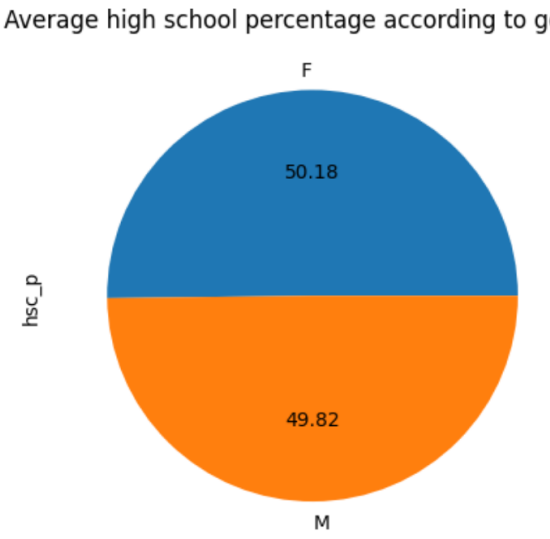
Exploratory data analysis helps data analysts to gain more detail about the data and perform further analysis on the data itself.

Performing EDA on our dataset helps in discovering the relationship between different entities and create appropriate matrices accordingly.

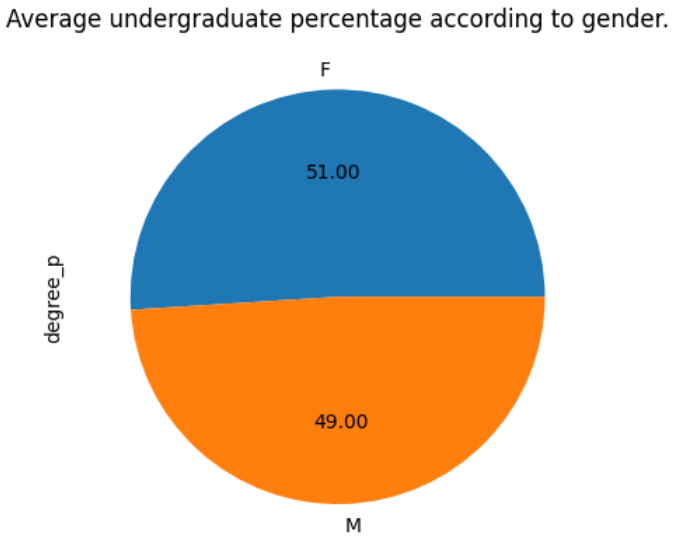


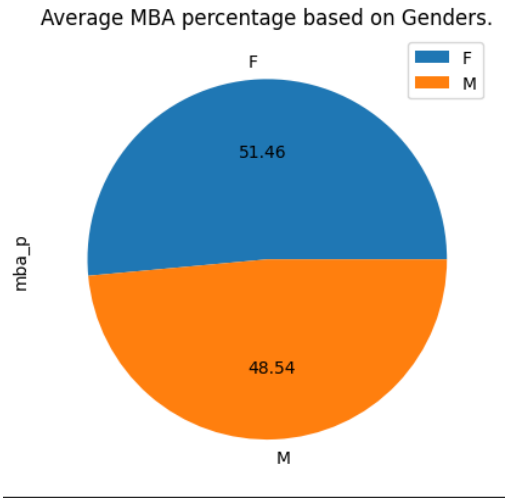

The above analysis displays the average percentage obtained by each genders in middle school. We can conclude that that the differences in percentage based on genders is significantly low.

**Analysis 2**



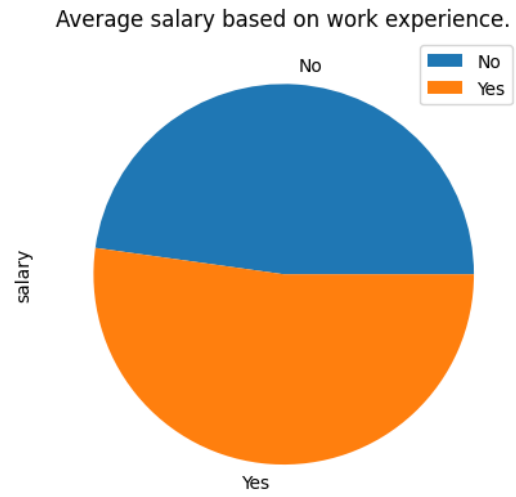

The analysis of percentage scored in high school is also similar.



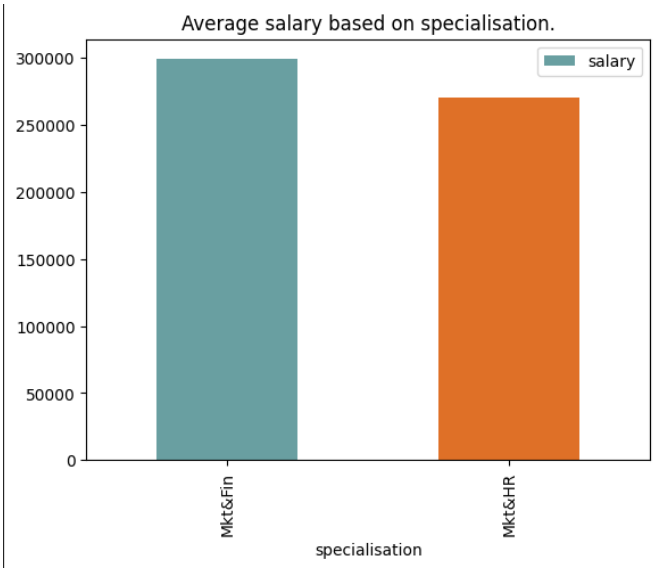



The average percentage difference between the genders in undergraduate is only of 1%. And 2.92 in MBA.

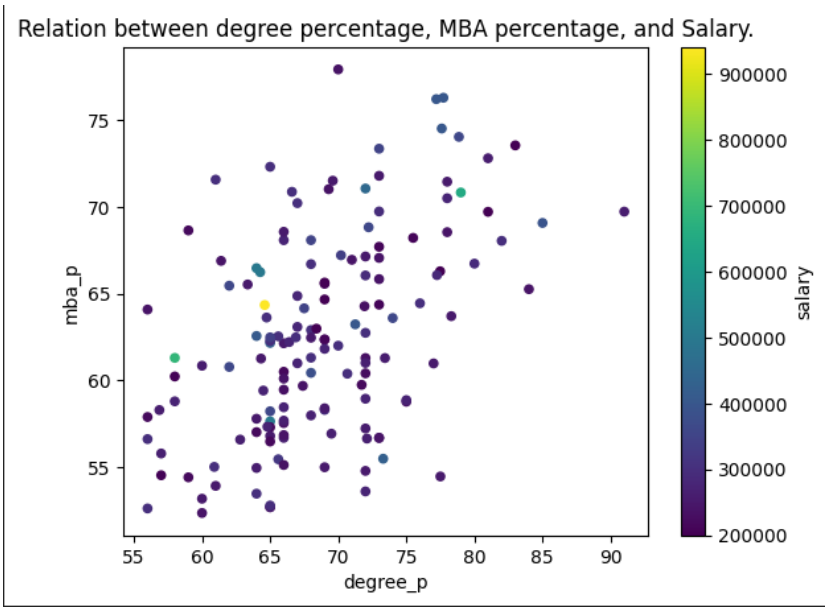
Therefore, we can conclude that gender has very less impact on the average percentage scored in all levels.




The average salary of an individual based on their work experience has shown a fairly good amount of difference with individuals with previous work experience having more chances of getting higher salary jobs.



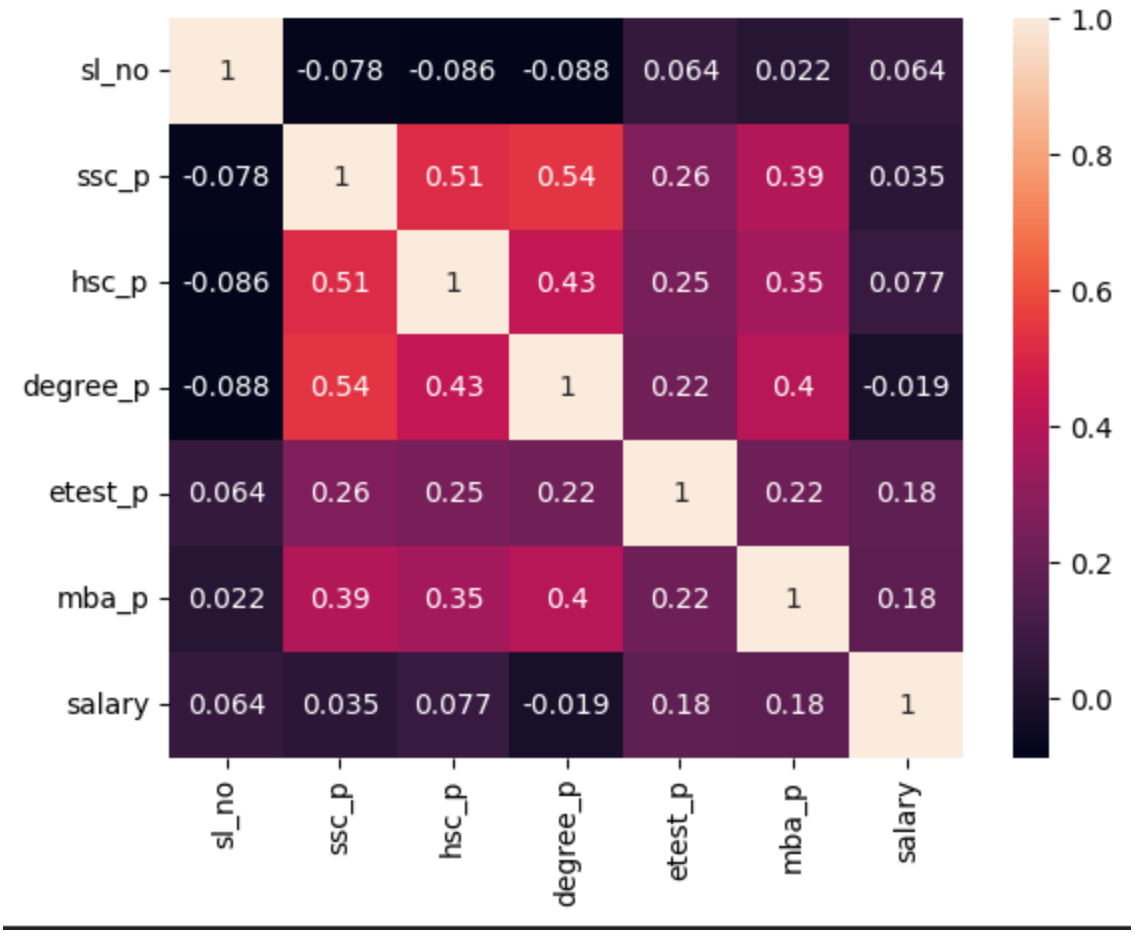

Individuals with specialization in marketing and finance have shown to get paid higher salary in jobs than individuals with specialization in Marketing and HR.




The percentage obtained by individuals in ther undergraduate degree and MBA have also shown a good relationship with each other with salaries identified by the color range.

Because the outliers have not been removed currently and the analysis is performed in the raw dataset without any cleaning or manipulation, the salary ranges display a noticeable outlier with color yellow between 60-65 percentage in MBA in the above scatter plot.


The scatterplot displaying the relationship between the experience test percentage, MBA percentage and salary also has a somewhat similar output.




Likewise, the above heatmap visualizes the correlation between all the numeric variables.