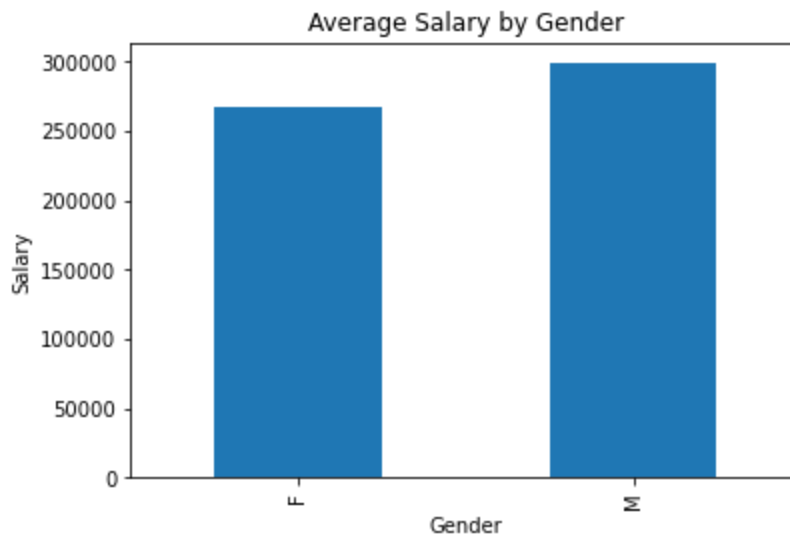


Placement data analysis

Is there a gender pay gap in the salaries offered to male and female students?

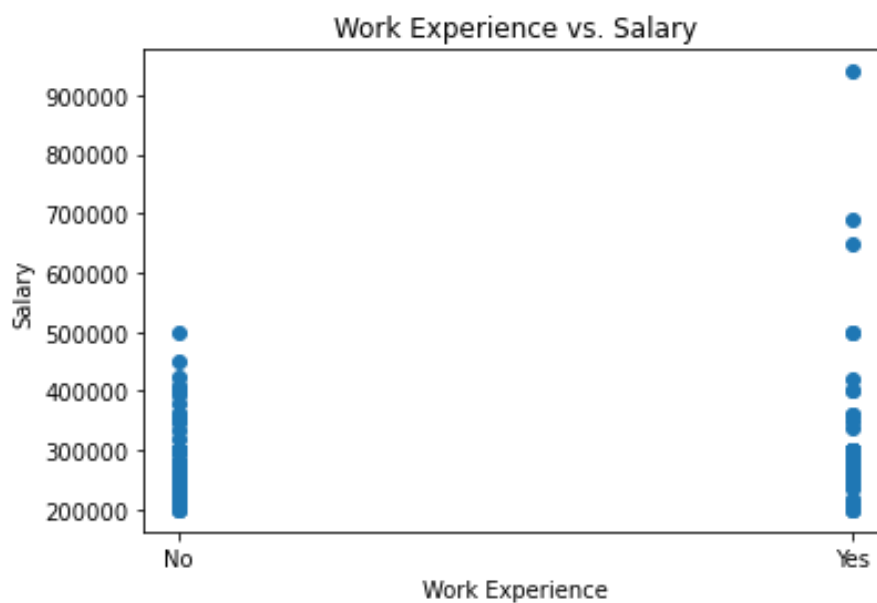
No, there may be some who get more salary than female but by observing the majority, the pay gap is not that wide.



Does work experience have a significant impact on salary?

The correlation coefficient between work experience and salary - 0.4978437119270448

Yes, there is a moderate positive correlation between work experience and salary offered. The correlation coefficient is 0.50, which indicates a moderate positive relationship between the two variables.



Placement data analysis

Which degree specialization has the highest median salary offered?

Median salaries offered by degree specialization:

degree_specialization

Mkt&HR 265000.0

Mkt&Fin 250000.0

Fin 240000.0

HR 220000.0

The degree specialization with the highest median salary offered is Marketing and HR, with a median salary of 265,000. The degree specialization with the lowest median salary offered is HR, with a median salary of 220,000.

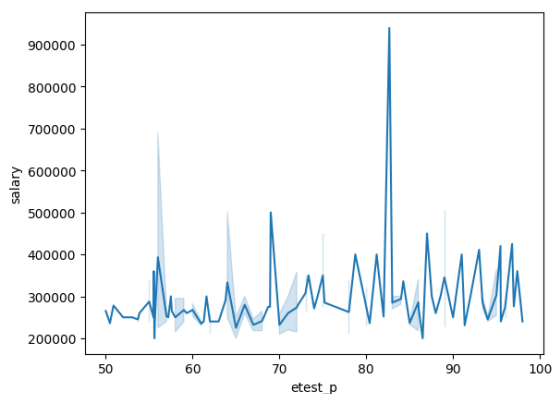
Does the board of education have an impact on placement status?

The chi-squared test statistic is: 6.956273229470906

The p-value is: 0.3189365053114088

No, there is no significant association between the board of education and placement status. The chi-squared test statistic is 6.96 with a p-value of 0.32, which indicates that we cannot reject the null hypothesis of independence between the two variables at the 5% significance level.

Who gets more salary?

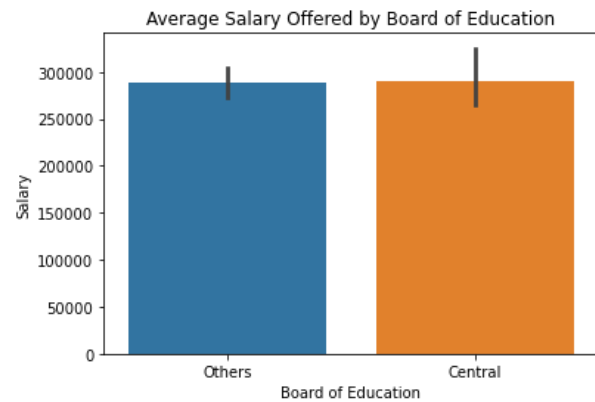
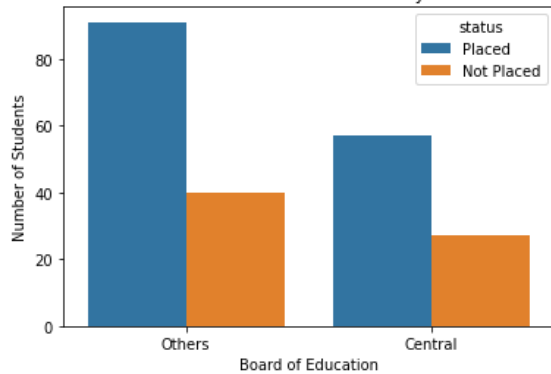


From this we conclude that the person employability test percentage ranges from 57 to 69 not get more salary but person employability test percentage at 70 get average salary and 80 to 83 get high salaries. so employability test percentage does not matter to get or predict salary.

Placement data analysis

Does board of education affecting the placement and salary?

Number of Placed and Not Placed Students by Board of Education

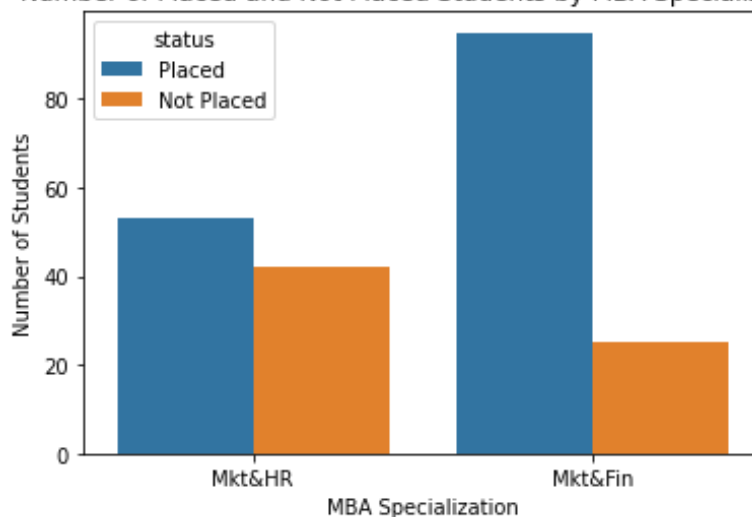


We can see that the number of students placed is higher for the Central board compared to the Other board. However, the salary offered is higher for the Other board compared to the Central board.

Which specialization in MBA is the most sought-after by companies? Do companies prefer candidates with a particular specialization?

The most sought-after MBA specializations are Finance and Marketing, with a higher number of students placed in these specializations compared to others.

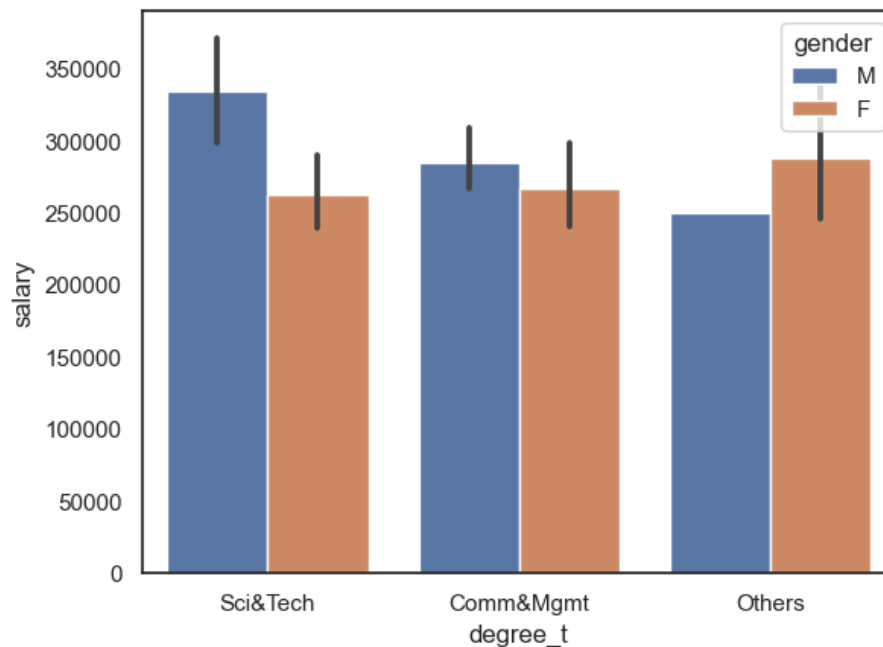
Number of Placed and Not Placed Students by MBA Specialization



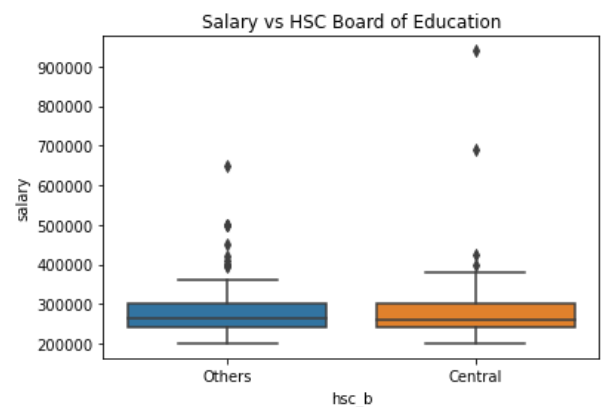
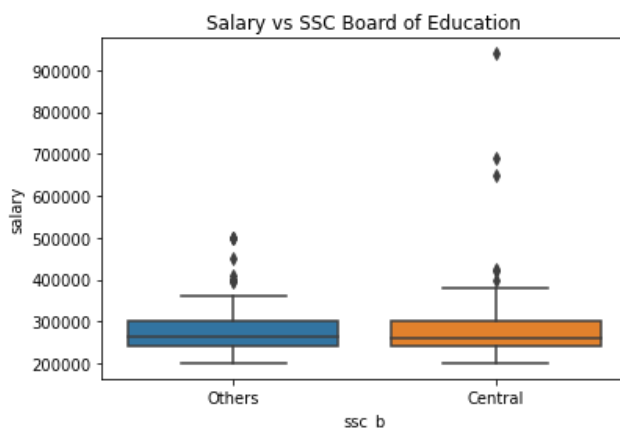
Placement data analysis

What background students gets more salary?

We can conclude that Science and Technology students gets more salary compared to others.



To analyze the impact of the board of education (ssc_b and hsc_b) on salary, we can create box plots for the salary offered to students based on their board of education.



Based on the plots, it appears that there is not a significant difference in the salary offered to students based on their board of education. Both SSC and HSC boards seem to have similar median and quartile ranges for salary.

Therefore, we can conclude that the board of education does not seem to have a significant impact on the salary offered to students. Other factors such as degree percentage, MBA percentage, and work experience seem to have a stronger correlation with salary.