

## Covariance

### Covariance between etest\_p and mba\_p

A high positive value, like **16.886973**, suggests a relatively strong positive relationship between the two variables, though the magnitude of the covariance is influenced by the scales of the variables themselves.

### Covariance between degree\_p and etest\_p

A positive covariance value, indicates that there is a positive linear relationship between the two variables. This means that as the percentage obtained in a degree (degree\_p) tends to increase, the percentage in the entrance test (etest\_p) also tends to increase. Conversely, when degree\_p is lower, etest\_p also tends to be lower.

## Correlation

The correlation between mba\_p and salary is approximately **0.141417**.

### Explanation of Correlation:

Correlation is a statistical measure that describes the strength and direction of a linear relationship between two variables. The value ranges from -1 to +1.

- **Value:** A correlation of 0.141417 indicates a **positive, but very weak, linear relationship**.
- **Direction:** The positive sign means that as the MBA percentage (mba\_p) increases, the salary also tends to increase.
- **Strength:** The value is very close to zero, which means the relationship is not strong. This suggests that while there is a slight tendency for higher MBA percentages to be associated with higher salaries, other factors likely play a much more significant role in determining salary.