

Placement Report - Measure of Central tendency

The placement data was analyzed using **measures of central tendency**, namely **Mean, Median, and Mode**, to understand the relationship between academic performance and salary offered.

[36]:	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
Mean	108.0	67.303395	66.333163	66.370186	72.100558	62.278186	288655.405405
Median	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
Mode	1	62.0	63.0	65.0	60.0	56.7	300000.0

Mean Analysis

The mean scores of students are **67.3% in Secondary**, **66.3% in Higher Secondary**, **66.37% in Degree**, **72.1% in Entrance Examination**, and **62.28% in MBA**.

The corresponding **mean salary offered** is **₹288,655.40**.

This shows that students with **average academic performance** receive an average salary package.

Median Analysis

The median scores are **67% in Secondary**, **65% in Higher Secondary**, **66% in Degree**, **71% in Entrance Examination**, and **62% in MBA**.

The **median salary** is **₹265,000**, which indicates that half of the students received salaries above this value and half received below it.

Mode Analysis

The mode represents the most frequently occurring scores, which are **62% in Secondary**, **63% in Higher Secondary**, **65% in Degree**, **60% in Entrance Examination**, and **56.7% in MBA**.

The **mode salary** is **₹300,000**, indicating that the most commonly offered salary package is ₹3 lakhs, even for students with relatively lower academic percentages.