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	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

Descriptive Statistics Report for Placement Data

Overview

The placement data consists of several features, including secondary education percentage (ssc_p), higher secondary education percentage (hsc_p), degree percentage (degree_p), employability test percentage (etest_p), MBA percentage (mba_p), and salary. The following summary provides insights into the central tendency and distribution of these features.

Summary Statistics

Statistic	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
Mean	108.0	67.30	66.33	66.37	72.10	62.28	288655.41
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

Analysis

- Secondary Education Percentage (ssc_p):**
 - Mean:** The average percentage in secondary education is 67.30%.
 - Median:** The median value is 67.0%, indicating that half of the students scored below this value and half scored above.
 - Mode:** The most frequently occurring percentage is 62.0%.
- Higher Secondary Education Percentage (hsc_p):**
 - Mean:** The average percentage in higher secondary education is 66.33%.
 - Median:** The median value is 65.0%.
 - Mode:** The most frequently occurring percentage is 63.0%.
- Degree Percentage (degree_p):**
 - Mean:** The average percentage for degree courses is 66.37%.
 - Median:** The median value is 66.0%.
 - Mode:** The most frequently occurring percentage is 65.0%.

4. Employability Test Percentage (etest_p):

- **Mean:** The average employability test percentage is 72.10%.
- **Median:** The median value is 71.0%.
- **Mode:** The most frequently occurring percentage is 60.0%.

5. MBA Percentage (mba_p):

- **Mean:** The average MBA percentage is 62.28%.
- **Median:** The median value is 62.0%.
- **Mode:** The most frequently occurring percentage is 56.7%.

6. Salary:

- **Mean:** The average salary offered is 288,655.41.
- **Median:** The median salary is 265,000.0, suggesting that half of the students received salaries below this amount and half received above.
- **Mode:** The most frequently occurring salary is 300,000.0.

Conclusion

The descriptive statistics of the placement data provide valuable insights into the academic performance and employability of students. The data reveals that there is a consistent average performance across secondary, higher secondary, and degree education, with slight variations in employability test and MBA percentages. The salary data indicates that there is a relatively high variation in the salaries offered, as evidenced by the differences between the mean and median values.