

Percentile Report

	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
Q1:25%	54.5	60.6	60.9	61.0	60.0	57.945	240000.0
Q2:50%	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
Q3:75%	161.5	75.7	73.0	72.0	83.5	66.255	300000.0
99%	212.86	87.0	91.86	83.86	97.0	76.1142	NaN
Q4:100%	215.0	89.4	97.7	91.0	98.0	77.89	940000.0

Inference from Percentile Report-

Inferences from the Percentile Report Looking at the data presented in the percentile report, multiple insights can be derived about the performance in different educational stages and salary outcomes.

1. Central Tendency

- ✓ Mean and Median: The data seems to be fairly evenly distributed, as the mean and median values for most columns are quite close.

For example, ssc_p mean: 67.3, median: 67.0

For salary, mean: 288,655.40, median: 265,000.0

- ✓ Mode: Most frequent values tend to cluster slightly below the median for education percentiles, but salary mode (300,000) is higher than the median.

2.Spread and Range

- ✓ The range for educational scores (from Q1:25% to Q4:100%) shows that there is a significant spread in each column, especially in mba_p where scores range from about 57.9 (Q1) to above 77.9 (Q4).

3.Salary Insights

- ✓ Median Salary: ₹265,000.0 — Shows that half of the salaries are below this value.
- ✓ Maximum Salary (Q4:100%): ₹940,000.0 — Indicates a few extremely high outliers.
- ✓ Q1 vs Q3 Salary: The 25th percentile salary is ₹240,000.0, the 75th percentile jumps to ₹300,000.0.
- ✓ Most salaries are clustered between ₹240,000 and ₹300,000 (interquartile range).

4.Top Performers

- ✓ The 99th percentile for educational scores are:

ssc_p: 87.0

hsc_p: 91.86

degree_p: 88.86

etest_p: 97.0

mba_p: 76.1142

- ✓ However, for salary, the 99th percentile value seems to be missing or represented as NaN, possibly due to insufficient data or outliers.

5.Outliers

- ✓ The maximum ('Q4:100%') salary is much higher than other percentiles, indicating a large disparity due to a few extremely high-paid individuals.
- ✓ Q4 values for educational scores are just slightly higher than the 99th percentile, suggesting few truly exceptional performers.

6.General Trends

- ✓ Higher percentiles in educational scores don't necessarily correlate directly to the highest salaries, as median salary is closer to median percentiles (not maximum).
- ✓ Majority of the data points (50% to 75%) fall within moderate ranges for both education and salary, with relatively few extremely high values.

Conclusion

The distribution of educational scores is moderate, with few outliers. Salaries have a larger spread and are positively skewed (few very high salaries). Most individuals fall into average categories for both academics and compensation, but exceptional cases exist for both