

# Percentile Analysis Report

## Introduction:

This report provides a percentile breakdown of key educational and salary attributes. Percentiles help in understanding the distribution and variation across different variables.

## Summary of Percentiles:

Percentile	SSC (%)	HSC (%)	Degree (%)	E-test (%)	MBA (%)	Salary (₹)
Q1 (25%)	54.5	60.6	60.9	61.0	60.0	57.95
Q2 (50%)	67.0	65.0	66.0	71.0	62.0	265,000
Q3 (75%)	75.7	73.0	72.0	83.5	66.26	300,000
99%	87.0	91.86	83.86	97.0	76.11	NaN
Q4 (100%)	89.4	97.7	91.0	98.0	77.89	940,000

## Insights and Observations:

- SSC Performance:
  - The median (50%) SSC score is 67%, indicating that half of the students scored above this mark.
  - The top 1% (99th percentile) scored 87% or higher, while the maximum score recorded is 89.4%.
- HSC Performance:
  - The median score is 65%, with 75% of students scoring below 73%.
  - The top 1% achieved above 91.86%, indicating a significant performance jump at the upper level.

### 3. Degree Percentage:

- The median degree score is 66%, with the top 25% scoring above 72%.
- The 99th percentile is 83.86%, while the highest recorded score is 91%.

### 4. E-test Performance:

- The median e-test score is 71%, with 75% of students scoring below 83.5%.
- The top 1% scored above 97%, showing a clear differentiation among high performers.

### 5. MBA Percentage:

- The median MBA score is 62%, with 75% of students scoring below 66.26%.
- The highest 1% scored above 76.11%, with the maximum recorded score at 77.89%.

### 6. Salary Distribution:

- The median salary is ₹265,000, meaning half of the students earned below this value.
- The top 25% earned more than ₹300,000, indicating a significant earning potential for high performers.
- The highest salary recorded is ₹940,000, showing a large gap between median earners and top earners.

## Conclusions:

Higher academic performance, especially in HSC, degree, and e-test scores, correlates with better salary prospects, with top earners significantly outperforming the median. The wide salary range suggests strong career growth potential for high achievers.

## **Key Takeaways:**

- There is a steady increase in performance across percentiles, but the jump from 75th percentile to 99th percentile is significant, especially in HSC and degree scores.
- Top earners (99th percentile and above) have significantly higher salaries, indicating that exceptional performance in academics and aptitude tests may lead to better job prospects.
- The MBA scores have a relatively lower spread, with less variation among top and median performers.
- Salary has a wide range, suggesting that while most students earn around ₹265,000 to ₹300,000, the highest achievers earn significantly more.