

### 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

### Descriptive Statistics Report

#### 1. High School Percentage (hsc\_p)

- **Mean:** 67.303395
- **Median:** 67.0
- **Mode:** 62.0
- **Q1 (25%):** 60.6
- **Q2 (50%):** 67.0
- **Q3 (75%):** 75.7
- **99th Percentile:** 87.0
- **Q4 (100%):** 89.4

#### Differences:

- Q2 - Q1: 6.4
- Q3 - Q2: 8.7
- Q4 - Q3: 13.7

**Explanation:** The high school percentage (hsc\_p) shows a steady increase across the quartiles. The smallest difference is between Q2 and Q1 (6.4), indicating that the lower half of the dataset has a relatively consistent performance. The differences increase in higher quartiles, with the largest jump (13.7) between Q4 and Q3, indicating a significant increase in high school performance among the top 25% of individuals.

#### 2. Degree Percentage (degree\_p)

- **Mean:** 66.333163
- **Median:** 65.0
- **Mode:** 65.0
- **Q1 (25%):** 60.9

- **Q2 (50%):** 65.0
- **Q3 (75%):** 73.0
- **99th Percentile:** 91.86
- **Q4 (100%):** 97.7

#### Differences:

- Q2 - Q1: 4.1
- Q3 - Q2: 8.0
- Q4 - Q3: 24.7

**Explanation:** The degree percentage (degree\_p) demonstrates a moderate increase from Q1 to Q3, with differences of 4.1 and 8.0, respectively. However, there is a dramatic increase of 24.7 between Q4 and Q3. This indicates that while the majority of individuals have somewhat similar degree percentages, the top 25% (especially the top 1%) have much higher percentages, suggesting a substantial variation in degree performance at the higher end of the dataset.

### 3. Employability Test Percentage (etest\_p)

- **Mean:** 66.370186
- **Median:** 66.0
- **Mode:** 60.0
- **Q1 (25%):** 61.0
- **Q2 (50%):** 66.0
- **Q3 (75%):** 72.0
- **99th Percentile:** 83.86
- **Q4 (100%):** 91.0

#### Differences:

- Q2 - Q1: 5.0
- Q3 - Q2: 6.0
- Q4 - Q3: 19.0

**Explanation:** The employability test percentage (etest\_p) shows a consistent increase across the quartiles with moderate differences of 5.0 and 6.0 between Q1, Q2, and Q3. However, the jump to Q4 is significant (19.0), indicating a substantial increase in employability test performance among the top 25% of individuals. This suggests that higher performers in this test are considerably better than the rest.

### 4. MBA Percentage (mba\_p)

- **Mean:** 72.100558
- **Median:** 71.0
- **Mode:** 56.7
- **Q1 (25%):** 60.0
- **Q2 (50%):** 71.0

- **Q3 (75%):** 83.5
- **99th Percentile:** 97.0
- **Q4 (100%):** 98.0

#### Differences:

- Q2 - Q1: 11.0
- Q3 - Q2: 12.5
- Q4 - Q3: 14.5

**Explanation:** The MBA percentage (mba\_p) shows a steady and significant increase across the quartiles, with differences of 11.0, 12.5, and 14.5. This indicates a progressive improvement in MBA percentages from Q1 to Q4, suggesting that higher quartiles consistently have better MBA scores. The increase is more uniform compared to other metrics, indicating a more even distribution of scores but still showing notable improvement at higher levels.

#### Summary

The table below summarizes the differences between quartiles for each metric:

Metric	Q2 - Q1	Q3 - Q2	Q4 - Q3
hsc_p	6.4	8.7	13.7
degree_p	4.1	8.0	24.7
etest_p	5.0	6.0	19.0
mba_p	11.0	12.5	14.5

#### Insights

- **High School Percentage (hsc\_p):** Shows a steady increase with the most significant jump in the top quartile.
- **Degree Percentage (degree\_p):** Indicates the most substantial difference between the 75th and 100th percentiles, highlighting significant variation in degree performance among top individuals.
- **Employability Test Percentage (etest\_p):** Exhibits a notable increase in the top quartile, indicating that the best performers are significantly better.
- **MBA Percentage (mba\_p):** Displays consistent increases across all quartiles, suggesting uniform improvement but with a noticeable rise at higher levels.