

## 1. Evaluation of 10th Grade Mark Distribution at Key Percentiles

### Percentile Q1:25%:

The 25th percentile indicates that 25% of the students have **10th** percentages below **60.6**

### Percentile Q2:50%:

The 50th percentile indicates that 50% of the students have **10th** percentages below **67**

### Percentile Q3:75%:

The 75th percentile indicates that 75% of the students have **10th** percentages below **75.7**

### Percentile Q4:100%:

The 100th percentile indicates that 100% of the students have **10th** percentages below **89.4**

## Percentile-Based Analysis of 10th Grade Performance

Students at the 50th percentile scored 7 marks more than those at the 25th percentile in their 10th.

Students at the 75th percentile scored 8 marks more than those at the 50th percentile in their 10th.

Students at the top (100th percentile) scored 13.7 marks more than those at the 75th percentile in their 10th grade.

## 2. Evaluation of 12th Grade Mark Distribution at Key Percentiles

### Percentile Q1:25%:

The 25th percentile indicates that 25% of the students have **12th** percentages below **60.9**

### Percentile Q2:50%:

The 50th percentile indicates that 50% of the students have **12th** percentages below **65**

### Percentile Q3:75%:

The 75th percentile indicates that 75% of the students have **12th** percentages below **73**

**Percentile Q4:100%:**

The 100th percentile indicates that 100% of the students have **12th** percentages below **97.7**

**Percentile-Based Analysis of 12th Grade Performance**

Students at the 50th percentile scored 5 marks more than those at the 25th percentile in their 12th.

Students at the 75th percentile scored 8 marks more than those at the 50th percentile in their 12th.

Students at the 100th percentile scored 24 marks more than those at the 75th percentile in their 12<sup>th</sup>.

**3. Evaluation of Degree Mark Distribution at Key Percentiles**

**Percentile Q1:25%:**

The 25th percentile indicates that 25% of the students have **DEGREE** percentages below **61**

**Percentile Q2:50%:**

The 50th percentile indicates that 50% of the students have **DEGREE** percentages below **66**

**Percentile Q3:75%:**

The 75th percentile indicates that 75% of the students have **DEGREE** percentages below **72**

**Percentile Q4:100%:**

The 100th percentile indicates that 100% of the students have **DEGREE** percentages below **91**

**Percentile-Based Analysis of DEGREE Performance**

Students at the 50th percentile scored 5 marks more than those at the 25th percentile in their DEGREE.

Students at the 75th percentile scored 6 marks more than those at the 50th percentile in their DEGREE

Students at the 100th percentile scored 19 marks more than those at the 75th percentile in their DEGREE.

#### 4. Evaluation of E-Test Mark Distribution at Key Percentiles

**Percentile Q1:25%:**

The 25th percentile indicates that 25% of the students have **E-Test** percentages below **60**

**Percentile Q2:50%:**

The 50th percentile indicates that 50% of the students have **E-Test** percentages below **71**

**Percentile Q3:75%:**

The 75th percentile indicates that 75% of the students have **E-Test** percentages below **83.5**

**Percentile Q4:100%:**

The 100th percentile indicates that 100% of the students have **E-Test** percentages below **98**

#### **Percentile-Based Analysis of E-Test Performance**

Students at the 50th percentile scored 11 marks more than those at the 25th percentile in their E-Test

Students at the 75th percentile scored 12 marks more than those at the 50th percentile in their E-Test

Students at the 100th percentile scored 15 marks more than those at the 75th percentile in their E-Test

#### 5. Evaluation of MBA Mark Distribution at Key Percentiles

**Percentile Q1:25%:**

The 25th percentile indicates that 25% of the students have **MBA** percentages below **60**

**Percentile Q2:50%:**

The 50th percentile indicates that 50% of the students have **MBA** percentages below **62**

**Percentile Q3:75%:**

The 75th percentile indicates that 75% of the students have **MBA** percentages below **66.255**

**Percentile Q4:100%:**

The 100th percentile indicates that 100% of the students have **MBA** percentages below **77.89**

**Percentile-Based Analysis of MBA Performance**

Students at the 50th percentile scored 5 marks more than those at the 25th percentile in their MBA

Students at the 75th percentile scored 4 marks more than those at the 50th percentile in their MBA

Students at the 100th percentile scored 11 marks more than those at the 75th percentile in their MBA

**6.Evaluation of Salary Placements at Key Percentiles****Percentile Q1:25%:**

At the 25th percentile, students were placed with a salary of ₹240000.

**Percentile Q2:50%:**

At the 50th percentile, students were placed with a salary of ₹265000.

**Percentile Q3:75%:**

At the 75th percentile, students were placed with a salary of ₹300000.

**Percentile Q4:100%:**

At the 100th percentile, students were placed with a salary of ₹940000.

**Percentile-Based Analysis of Salary Placements****25% – 50% Comparison:**

Students at the 50th percentile received ₹25,000 more in salary placements compared to those at the 25th percentile."

**50% – 75% Comparison:**

Students at the 75th percentile received ₹35,000 more in salary placements than those at the 50th percentile.

### 75% – 100% Comparison:

Students at the 100th percentile received ₹640,000 more in salary placements compared to those at the 75th percentile.

	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
Mean	108	67.3034	66.3332	66.3702	72.1006	62.2782	288655
Median	108	67	65	66	71	62	265000
Mode	1	62	63	65	60	56.7	300000

#### Mean:

The average academic performance of a particular class of students shows consistent results across most stages.

The mean score in 10th grade is 67%, and in 12th grade and degree, it is 66%, which can be considered average performance.

The entrance test (E-Test) has a higher mean score of 72%, indicating a relatively better performance compared to other stages.

However, the MBA marks have a lower average of 62%, which is slightly below the other academic scores. Despite the overall academic performance being mostly average with slightly better results in the E-Test, these students were able to secure placements with a salary of ₹288,655. This suggests that consistent performance, especially a strong E-Test score, may have positively influenced their placement opportunities.

#### Mode:

The mode values for a particular class of students indicate the most commonly scored marks at different academic levels.

The most frequent score in 10th grade is 62%, in 12th grade 63%, in degree 65%, in the entrance test (E-Test) 60%, and in MBA 56%.

These scores reflect an overall **average level of academic performance**, with slightly better results in the degree stage.

The E-Test and MBA scores are on the lower side. Despite this, the students were placed with a salary under ₹300,000.