# Percentile

**Inferences about the Percentiles**

**SSC %:**

* **Most students score 60–75%** (Q1–Q3).
* Top 1% scores shoot to 87% — Max is 89.4% → very few students stand out at the top.

**HSC %:**

* Similar trend but more extreme: median is 65%, top 1% jumps to ~92%, max is nearly 98% → strong top outliers.

**Degree %:**

* Fairly clustered till Q3 (~72%), then jumps to ~84% at 99%, Max is 91% → a few high achievers.

**E-Test %:**

* Shows wide spread: Q1 is 60%, Q3 is 83.5%, 99% is 97% → a big gap shows strong variance in entrance performance.

**MBA %:**

* Tighter: Q1–Q3 is 57.9%–66.3% → top 1% reaches ~76%, Max ~78% → moderate top end.

**Salary:**

* Q1–Q3 is ₹240k–₹300k → typical cluster.
* Max is ₹940k → very clear outlier.
* 99% not given but max confirms only 1–2 people earn *extremely* higher than the rest.

**Increment Values**

The incremental values between the percentiles are given below

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Interval** | **SSC %** | **HSC %** | **Degree %** | **E-Test %** | **MBA %** | **Salary** |
| **Q2 – Q1** | 6.4 | 4.1 | 5 | 11 | 4.055 | ₹ 25,000 |
| **Q3 – Q2** | 8.7 | 8 | 6 | 12.5 | 4.255 | ₹ 35,000 |
| **99% – Q3** | 11.3 | 18.86 | 11.86 | 13.5 | 9.8592 | — |
| **Max – 99%** | 2.4 | 5.84 | 7.14 | 1 | 1.7758 | — |

**Key Takeaway on % Increments**

* **Biggest jumps at top:** HSC % has a huge 25% leap from Q3 to 99% → clear outliers.
* **E-Test shows consistently large % jumps:** indicates strong spread of high scores.
* **SSC & Degree have moderate top-end jumps.**
* **MBA is tight till Q3 → then top 1% stands out.**
* **Salary:** normal jumps within middle percentiles but massive spike at Max → clear outlier effect.