

	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
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
q4:100%	215.0	89.4	97.7	91.0	98.0	77.89	940000.0

Percentile Analysis in Data Science

Overview

Percentile analysis is a statistical method used to understand the distribution of data by dividing it into percentages. This documentation provides insights into the 25th (Q1), 50th (Q2), 75th (Q3), and 100th (Q4) percentiles for various attributes.

Higher Secondary Percentage (hsc_p)

- **Q1: 25%** - 25% of data exists up to **60.9**.
- **Q2: 50%** - 50% of data exists up to **65.0**.
- **Q3: 75%** - 75% of data exists up to **73.0**.
- **Q4: 100%** - 100% of data exists up to **97.7**.

Undergraduate Percentage (degree_p)

- **Q1: 25%** - 25% of data exists up to **61.0**.
- **Q2: 50%** - 50% of data exists up to **66.0**.
- **Q3: 75%** - 75% of data exists up to **72.0**.
- **Q4: 100%** - 100% of data exists up to **91.0**.

Employability Test Percentage (etest_p)

- **Q1: 25%** - 25% of data exists up to **60.0**.
- **Q2: 50%** - 50% of data exists up to **71.0**.
- **Q3: 75%** - 75% of data exists up to **83.5**.
- **Q4: 100%** - 100% of data exists up to **98.0**.

MBA Percentage (mba_p)

- **Q1: 25%** - 25% of data exists up to **57.945**.
- **Q2: 50%** - 50% of data exists up to **62.0**.
- **Q3: 75%** - 75% of data exists up to **66.255**.
- **Q4: 100%** - 100% of data exists up to **77.89**.

Salary

- **Q1: 25%** - 25% of data exists up to **240,000**.
- **Q2: 50%** - 50% of data exists up to **265,000**.
- **Q3: 75%** - 75% of data exists up to **300,000**.
- **Q4: 100%** - 100% of data exists up to **940,000**.

Insights

- **Salary Growth Across Percentiles:**
 - From **Q1 to Q2**: Salary increases by **₹25,000**.
 - From **Q2 to Q3**: Salary increases by **₹35,000**.
 - From **Q3 to Q4**: Salary shows a significant increase of **₹640,000**, indicating potential outliers or a steep rise in earning potential at the higher percentile.