**Mean, Median, Mode and Percentile values of Placement Dataset**:

A table with numbers and letters

AI-generated content may be incorrect.

**INSIGHTS:**

Here we can analyse the percentile values by grouping them into four sections as follows:

* **Q1:25% to Q2:50%**
* **Q2:50% to Q3:75%**
* **Q3:75% to 99%**
* **99% to Q4:100%**

**Q1:25% to Q2:50%:**

For Q1 to Q2, i.e. when the percentile value increased by **25%**,

* SSLC marks (ssc\_p) of the placed members increased by **7%** (from 60.6 to 67.0)
* HSC marks (hsc\_p) of the placed members increased by **4.1%** (from 60.9 to 65.0)
* Degree marks(degree\_p) of the placed members increased by **5%** (from 61.0 to 66.0)
* MBA marks(mba\_p) of the placed members increased by **4.1%** (from 57.9 to 62.0)
* Entrance marks(etest\_p) of the placed members increased by **11%** (from 60.0 to 71.0)
* Salary of the placed members increased by **25000**(240000.0 to 265000.0)

**Q2:50% to Q3:75%:**

For Q2 to Q3, i.e. when the percentile value increased by **25%,**

* SSLC marks (ssc\_p) of the placed members increased by **8.7%** (from 67.0 to 75.7)
* HSC marks (hsc\_p) of the placed members increased by **8%** (from 65.0 to 73.0)
* Degree marks(degree\_p) of the placed members increased by **6%** (from 66.0 to 72.0)
* MBA marks(mba\_p) of the placed members increased by **4.25%** (from 62.0 to 66.255)
* Entrance marks(etest\_p) of the placed members increased by **11%** (from 71.0 to 83.5)
* Salary of the placed members increased by **35000**(265000.0 to 300000.0)

**Q3:75% to 99%:**

For Q3 to 99%, i.e. when the percentile value increased by **24%,**

* SSLC marks (ssc\_p) of the placed members increased by **11.3%** (from 75.7 to 87.0)
* HSC marks (hsc\_p) of the placed members increased by **18.86%** (from 73.0 to 91.86)
* Degree marks(degree\_p) of the placed members increased by **11.86%** (from 72.0 to 83.86)
* MBA marks(mba\_p) of the placed members increased by **9.859%** (from 66.255 to 76.1142)
* Entrance marks(etest\_p) of the placed members increased by **13.5%** (from 83.5 to 97.0)
* Salary of the placed members for 99% should be verified again for this section, after handling the outliers

**99% to Q4:100%:**

For 99% to Q4:100%, i.e. when the percentile value increased by **1%,**

* SSLC marks (ssc\_p) of the placed members increased by **2.4**% (from 87.0 to 89.4)
* HSC marks (hsc\_p) of the placed members increased by **5.84%** (from 91.86 to 97.7)
* Degree marks(degree\_p) of the placed members increased by **7.14%** (from 83.86 to 91.0)
* MBA marks(mba\_p) of the placed members increased by **1.775%** (from 76.1142 to 77.89)
* Entrance marks(etest\_p) of the placed members increased by **1%** (from 97.0 to 98.0)
* Salary of the placed members for 99% should be verified again for this section, after handling the outliers
* Salary of the placed members from Q3 to Q4(75% to 100%) increased by **640000.0**

**ADDITIONAL INSIGHTS:**

|  |  |
| --- | --- |
| **Percentage** | **Category** |
| 50-60% | Below-average |
| 60-70% | Average |
| 70-80% | Good |
| 80-90% | Excellent |
| 90-100% | Outstanding |

**Based on the 25% percentile:**

* **25%** of the students scored below 61% in SSLC, HSC (i.e. 60.9) and Degree
* **25%** of the students scored below 60% in the entrance test
* **25%** of the students scored below 58% in the MBA
* **25%** of the placed members earn below 2,40,000 LPA
* From the above observations,
* Students with **average and below average** marks in SSLC, HSC, Degree and Entrance Tests are present in the 25th percentile
* Students with **below-average** marks in the MBA exam are present in the 25th percentile

**Based on the 50% percentile:**

* **50%** of the students scored below 67% in SSLC
* **50%** of the students scored below 65% in HSC
* **50%** of the students scored below 66% in the degree
* **50%** of the students scored below 62% in the MBA
* **50%** of the students scored below 71% in the Entrance test
* **50%** of the placed members earn below 2,65,000 LPA
* From the above observations,
* Students with ***average and below average marks in*** SSLC, HSC, Degree and MBA exams are present in the 50th percentile
* Students with **average, below average** and **good marks** in the Entrance test are present in the 50th percentile.

**Based on the 75% percentile:**

* **75%** of the students scored below 76% in SSLC
* **75%** of the students scored below 73% in HSC
* **75%** of the students scored below 72% in the Degree
* **75%** of the students scored below 66% in the MBA
* **75**% of the students scored below 84% in the entrance exam
* **75**% of the placed members earn below 3,00,000 LPA
* From the above observations,
* Students with ***average, below average and good marks in*** SSLC, HSC and Degree exams are present in the 50th percentile
* Students with **average and below-average marks** in the MBA are present in the 50th percentile
* Students with **average, below-average, good and excellent** marks in the Entrance exam are present in the 50th percentile

**Based on the 99% percentile:**

* **99%** of the students scored below 87% in SSLC
* **99%** of the students scored below 91.86% in HSC
* **99%** of the students scored below 83.86% in the Degree
* **99%** of the students scored below 97% in the entrance test
* **99%** of the students scored below 76.1% in the MBA
* From the above observations,
* Students with ***average, below average, good and excellent marks in*** SSC and Degree are present in the 99th percentile
* Students with ***average, below average, good, excellent and outstanding marks in*** *HSC and entrance test* are present in the 99th percentile
* Students with **average, below average and good** marks in the MBA are present in the 99th percentile

**Based on the 100% percentile:**

* **100%** of the students scored below 89.4% in SSLC
* **100%** of the students scored below 97.7% in HSC
* **100%** of the students scored below 91% in the Degree
* **100%** of the students scored below 98% in the Entrance
* **100%** of the students scored below 77.89 in the MBA
* **100%** of the placed members earn below 9,40,000.
* From the above observations,
* Students with ***average, below average, good and excellent marks in*** SSC are present in the 100th percentile
* Students with ***average, below average, good, excellent and outstanding marks in*** *HSC, Degree and entrance test* are present in the 100th percentile
* Students with **average, below average and good** marks in the MBA are present in the 100th percentile

**OVERALL INSIGHTS:**

* Students with marks below **90%** in SSLC got placed
* Students with **below-average to outstanding** marks in HSC, Degree and entrance test got placed
* Students with marks below **80%** in the MBA got placed
* Salary ranges from **2,00,000 LPA** to **9,40,000 LPA** for the placed members