**Analysis of Central Tendency**

We have analyzed the data of college dataset by finding the mean,median,mode and percentile information are as follows:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Measure of CT** | **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 |
| Q1:25% | 54.5 | 60.6 | 60.9 | 61 | 60 | 57.945 | 240000 |
| Q2:50% | 108 | 67 | 65 | 66 | 71 | 62 | 265000 |
| Q3:75% | 161.5 | 75.7 | 73 | 72 | 83.5 | 66.255 | 300000 |
| 99% | 212.86 | 87 | 91.86 | 83.86 | 97 | 76.1142 | NaN |
| Q4:100% | 215 | 89.4 | 97.7 | 91 | 98 | 77.89 | 940000 |

All the columns of the data giving the information of difference between the each and every quarter pass percentage of student’s are shown below. Also provided the difference of 99% and 100% percentile.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Measure of CT** | **ssc\_p** | **hsc\_p** | **degree\_p** | **etest\_p** | **mba\_p** |
| Q1-Q2 | 6.4 | 4.1 | 5 | 11 | 4.1 |
| Q2-Q3 | 8.4 | 8 | 6 | 12.5 | 4.2 |
| Q3-Q4 | 13.7 | 24.7 | 9 | 14.5 | 11.6 |
| 99%-100% | 2.4 | 5.8 | 7.1 | 1 | 1.7 |

These details helps to improve the students performance. So college management can focus on the students those who are not placed, and make them improve their areas of difficulties to get selected in good company. By doing this, college also can have name of **100% placement to students**. This will gives the good reputation to the college in future.