

Assignment to Elaborate the Tabular Column

| | sl_no | ssc_p | hsc_p | degree_p | etest_p | mba_p | salary |
|---------|--------|-----------|-----------|-----------|-----------|-----------|---------------|
| Mean | 108.0 | 67.303395 | 66.333163 | 66.370186 | 72.100558 | 62.278186 | 288655.405405 |
| Median | 108.0 | 67.0 | 65.0 | 66.0 | 71.0 | 62.0 | 265000.0 |
| Mode | 1 | 62.0 | 63.0 | 65.0 | 60.0 | 56.7 | 300000.0 |
| 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 |
| 99% | 212.86 | 87.0 | 91.86 | 83.86 | 97.0 | 76.1142 | NaN |
| Q4:100% | 215.0 | 89.4 | 97.7 | 91.0 | 98.0 | 77.89 | 940000.0 |

Mean

- 1)ssc_p – 67.30 shows the above average mark taken in SSC.
- 2)hsc_p – 66.33 shows the above average mark taken in HSC.
- 3)degree_p – 66.37 shows the above average mark taken in Degree.
- 4)etest_p-72.10 shows the good mark taken in entrance test.
- 5)mba_p-62.27 shows the above average mark taken in MBA.
- 6)salary-288655 average salary for these category.

Median

Found outlier in median salary path

Mode

- 1)ssc_p – 62 shows the repeated mark in SSC.
- 2)hsc_p – 63 shows the repeated mark in HSC.
- 3)degree_p – 65 shows the repeated mark in degree.
- 4)etest_p - 60 shows the repeated mark in entrance test.
- 5)mba_p - 56 shows the repeated mark in MBA.
- 6)salary – 300000 shows the repeated salary.

Percentile of given data:

Percentile having 4 parts 25th, 50th, 75th, and 100th (Q1, Q2, Q3 & Q4)

SSC_P

| 4 Parts for SSC_P | Marks in % | Difference in % | Description |
|--|------------|-----------------|--|
| Q1:25% | 60.6 | — | |
| Q2:50% | 67.0 | 6.4 | In between 25% and 50% difference is 25%. The 25% mark difference is 6.4% increment. |
| Q3:75% | 75.7 | 8.7 | In between 50% and 75% difference is 25%. The 25% mark difference is 8.7% increment improved. |
| 99%(To avoid outlier) | 87.0 | 11.3 | In between 75% and 99% difference is 24%. The 24% mark difference is 11.3% increment improved. Checked for outlier before 100% |
| Q4:100% | 89.4 | 2.4 | In between 99% and 100% difference is 1%. The 24% mark difference is 2.4% increment improved. |
| Overall marks are improved in 4 parts | | | |

HSC_P

| 4 Parts for HSC_P | Marks in % | Difference in % | Description |
|---|------------|-----------------|--|
| Q1:25% | 60.9 | — | |
| Q2:50% | 65.0 | 4.1 | In between 25% and 50% difference is 25%. The 25% mark difference is 4.1 % increment. |
| Q3:75% | 73.0 | 8 | In between 50% and 75% difference is 25%. The 25% mark difference is 8 % increment improved. |
| 99%(To avoid outlier) | 91.86 | 18.86 | In between 75% and 99% difference is 24%. The 24% mark difference is 18.86 % increment improved. Checked for outlier before 100% |
| Q4:100% | 97.7 | 5.84 | In between 99% and 100% difference is 1%. The 24% mark difference is 5.84 % increment improved. |
| 75% to 99% - marks are improved 18.86% | | | |

Degree_P

| 4 Parts for Degree_P | Marks in % | Difference in % | Description |
|--|------------|-----------------|--|
| Q1:25% | 61 | — | |
| Q2:50% | 66.0 | 5 | In between 25% and 50% difference is 25%. The 25% mark difference is 5 % increment. |
| Q3:75% | 72.0 | 6 | In between 50% and 75% difference is 25%. The 25% mark difference is 6 % increment improved. |
| 99%(To avoid outlier) | 83.86 | 11.86 | In between 75% and 99% difference is 24%. The 24% mark difference is 11.86 % increment improved. Checked for outlier before 100% |
| Q4:100% | 91.0 | 7.14 | In between 99% and 100% difference is 1%. The 24% mark difference is 7.14 % increment improved. |
| 75% to 99% category student - marks are improved 11.86% | | | |

etest_P

| 4 Parts for etest_P | Marks in % | Difference in % | Description |
|--|------------|-----------------|---|
| Q1:25% | 60 | — | |
| Q2:50% | 71 | 11 | In between 25% and 50% difference is 25%. The 25% mark difference is 11 % increment. |
| Q3:75% | 83.5 | 12.5 | In between 50% and 75% difference is 25%. The 25% mark difference is 12.5 % increment improved. |
| 99%(To avoid outlier) | 97 | 13.5 | In between 75% and 99% difference is 24%. The 24% mark difference is 13.5 % increment improved. Checked for outlier before 100% |
| Q4:100% | 98 | 1 | In between 99% and 100% difference is 1%. The 24% mark difference is 1 % increment improved. |
| 75% to 99% category student - marks are improved 13.50% | | | |

MBA_P

| 4 Parts for MBA_P | Marks in % | Difference in % | Description |
|---|------------|-----------------|---|
| Q1:25% | 57.945 | — | |
| Q2:50% | 62 | 4.055 | In between 25% and 50% difference is 25%. The 25% mark difference is 4.055 % increment. |
| Q3:75% | 66.255 | 4.255 | In between 50% and 75% difference is 25%. The 25% mark difference is 4.255 % increment improved. |
| 99%(To avoid outlier) | 76.1142 | 9.8592 | In between 75% and 99% difference is 24%. The 24% mark difference is 9.8592 % increment improved. Checked for outlier before 100% |
| Q4:100% | 77.89 | 1.7758 | In between 99% and 100% difference is 1%. The 24% mark difference is 1.7758 % increment improved. |
| 75% to 99% category student - marks are improved 9.8592% | | | |

Salary

| 4 Parts for salary | Salary | Difference | Description |
|---|--------|------------|--|
| Q1:25% | 240000 | — | Basic-240000 |
| Q2:50% | 265000 | 25000 | In between 25% and 50% difference is 25%. The 25% salary difference is 25000 increment. |
| Q3:75% | 300000 | 35000 | In between 50% and 75% difference is 25%. The 25% salary difference is 35000 increment improved. |
| Q4:100% | 940000 | 640000 | In between 99% and 100% difference is 1%. The 24% salary difference is 640000 increment improved. |
| 75% to 100% category student - got good salary | | | |