**IQR report:**

|  | **ssc\_p** | **hsc\_p** | **degree\_p** | **etest\_p** | **mba\_p** | **salary** |
| --- | --- | --- | --- | --- | --- | --- |
| **Mean** | 67.303395 | 66.333163 | 66.370186 | 72.100558 | 62.278186 | 288655.405405 |
| **Median** | 67.0 | 65.0 | 66.0 | 71.0 | 62.0 | 265000.0 |
| **Mode** | 62.0 | 63.0 | 65.0 | 60.0 | 56.7 | 300000.0 |
| **Q1:25%** | 60.6 | 60.9 | 61.0 | 60.0 | 57.945 | 240000.0 |
| **Q2:50%** | 67.0 | 65.0 | 66.0 | 71.0 | 62.0 | 265000.0 |
| **Q3:75%** | 75.7 | 73.0 | 72.0 | 83.5 | 66.255 | 300000.0 |
| **Q4:100%** | 89.4 | 97.7 | 91.0 | 98.0 | 77.89 | 940000.0 |
| **IQR** | 15.1 | 12.1 | 11.0 | 23.5 | 8.31 | 60000.0 |
| **1.5rule** | 22.65 | 18.15 | 16.5 | 35.25 | 12.465 | 90000.0 |
| **Lesser** | 37.95 | 42.75 | 44.5 | 24.75 | 45.48 | 150000.0 |
| **Greater** | 98.35 | 91.15 | 88.5 | 118.75 | 78.72 | 390000.0 |
| **Min** | 40.89 | 37.0 | 50.0 | 50.0 | 51.21 | 200000.0 |
| **Max** | 89.4 | 97.7 | 91.0 | 98.0 | 77.89 | 940000.0 |

* SSC pass mark IQR Lesser value was less than the Min value so it not Lesser outlier.
* SSC pass mark IQR Greater value was Higher than the Max value so it not Greater outlier.
* HSC pass mark IQR Lesser value was not less than the Min value so it’s Lesser outlier. We have to replace the value with IQR lesser value (Q1-1.5\*IQR).
* HSC pass mark IQR Greater value was not Higher than the Max value so it’s Greater outlier. We have to replace the value with IQR lesser value (Q3+1.5\*IQR).
* Degree pass mark IQR Lesser value was less than the Min value so it not Lesser outlier.
* Degree pass mark IQR Greater value was not Higher than the Max value so it’s comes under Greater outlier. We have to replace the value with IQR lesser value (Q3+1.5\*IQR).
* Entrance test pass mark IQR Lesser value was less than the Min value so it not Lesser outlier.
* Entrance test pass mark IQR Greater value was Higher than the Max value so it not Greater outlier.
* MBA pass mark IQR Lesser value was less than the Min value so it not Lesser outlier.
* MBA pass mark IQR Greater value was Higher than the Max value so it not Greater outlier.
* Salary value IQR Lesser value was less than the Min value so it not Lesser outlier.
* Salary value IQR Greater value was not Higher than the Max value so it’s comes under Greater outlier. We have to replace the value with IQR lesser value (Q3+1.5\*IQR).

Why we use the 1.5 value to evaluate the IQR Lesser and Greater value?

1.5 in IQR: It’s a practical, data-driven choice that works well in a wide variety of situations. It works well in practice across many datasets and distributions. You can adjust it based on the extreme outliers