

## IQR

[27]:	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
<b>Mean</b>	108.0	67.303395	66.333163	66.370186	72.100558	62.278186	288655.405405
<b>Median</b>	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
<b>Mode</b>	1	62.0	63.0	65.0	60.0	56.7	300000.0
<b>Q1:25%</b>	54.5	60.6	60.9	61.0	60.0	57.945	240000.0
<b>Q2:50%</b>	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
<b>Q3:75%</b>	161.5	75.7	73.0	72.0	83.5	66.255	300000.0
<b>99%</b>	212.86	87.0	91.86	83.86	97.0	76.1142	NaN
<b>Q4:100%</b>	215.0	89.4	97.7	91.0	98.0	77.89	940000.0
<b>IQR</b>	107.0	15.1	12.1	11.0	23.5	8.31	60000.0
<b>1.5rule</b>	160.5	22.65	18.15	16.5	35.25	12.465	90000.0
<b>Lesser</b>	-106.0	37.95	42.75	44.5	24.75	45.48	150000.0
<b>Greater</b>	322.0	98.35	91.15	88.5	118.75	78.72	390000.0
<b>Min</b>	1	40.89	37.0	50.0	50.0	51.21	200000.0
<b>Max</b>	215	89.4	97.7	91.0	98.0	77.89	940000.0

According to the placement dataset, below are the observations for outliers

### SSC

- For ssc the lesser IQR is 37 and the minimum value is 40. The minimum value > lesser IQR
- The greater IQR is 98 and the maximum value is 89. The maximum value < greater IQR
- So there are no outliers in ssc

### HSC

- For hsc the lesser IQR is 42 and the minimum value is 37. The minimum value < lesser IQR
- The greater IQR is 91 and the maximum value is 97. The maximum value > greater IQR
- So there are lesser range outliers and greater range outliers both present in HSC column

### Degree

- For degree the lesser IQR is 44 and the minimum value is 50. The minimum value > lesser IQR
- The greater IQR is 88 and the maximum value is 91. The maximum value > greater IQR
- So there are greater range outliers in Degree column

### Entrance

- For entrance test the lesser IQR is 24 and the minimum value is 50. The minimum value > lesser IQR
- The greater IQR is 118 and the maximum value is 98. The maximum value < greater IQR
- So there are no outliers in entrance test column

## **MBA**

- For MBA the lesser IQR is 45 and the minimum value is 51. The minimum value  $>$  lesser IQR
- The greater IQR is 78 and the maximum value is 77. The maximum value  $<$  greater IQR
- So there are no outliers in MBA column