

Percentile

```
descriptive[columnname]['Q1:25%'] = dataset.describe()[columnname]['25%']
descriptive[columnname]['Q2:50%'] = dataset.describe()[columnname]['50%']
descriptive[columnname]['Q3:75%'] = dataset.describe()[columnname]['75%']
descriptive[columnname]['99%'] = np.percentile(dataset[columnname],99)
descriptive[columnname]['Q4:100%'] = dataset.describe()[columnname]['max']
descriptive
```

[25]:

	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

According to placement dataset below are the observations for the percentile

SSC

- For 10th marks, 25% of data lies within 60 marks
- Between Q1 and Q2 there is a increasing difference of 7%
- Between Q2 and Q3 there is a increasing difference of 12%
- Between Q3 and Q4 there is a increasing difference of 14%

HSC

- For 12th marks, 25% of data lies within 60 marks
- Between Q1 and Q2 there is a increasing difference of 5%
- Between Q2 and Q3 there is a increasing difference of 8%
- Between Q3 and Q4 there is a increasing difference of 24%

Degree

- For the degree, 25% of data lies within 61 marks
- Between Q1 and Q2 there is a increasing difference of 5%
- Between Q2 and Q3 there is a increasing difference of 6%
- Between Q3 and Q4 there is a increasing difference of 19%

Entrance test

- For the entrance test , 25% of data lies within 60 marks
- Between Q1 and Q2 there is a increasing difference of 11%
- Between Q2 and Q3 there is a increasing difference of 12%
- Between Q3 and Q4 there is a increasing difference of 15%

MBA

- For the MBA, 25% of data lies within 57 marks
- Between Q1 and Q2 there is a increasing difference of 5%

- Between Q2 and Q3 there is a increasing difference of 4%
- Between Q3 and Q4 there is a increasing difference of 11%