Measure of Location of Data

Percentile - 4 Quadrants

Tells about the values exists within the range

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[32]: # Check for all 4 Quadrants(Percentile)

Descriptive = pd.DataFrame(index=['Mean','Median','Mode','Q1:25%','Q2:50%',"Q3:75%","99%","Q4:100%"], columns = quan)
for columnName in quan:
    Descriptive[columnName]['Mean'] = dataset[columnName].mean()
    Descriptive[columnName]['Median'] = dataset[columnName].median()
    Descriptive[columnName]['Mode'] = dataset[columnName].mode()[0]
    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
```

[32]:

	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

Academic	Percentile	Evaluation	
10th Percentage	Q1 : 25%	25% of the students score ranges within 60.6	6.4% of the students scored between 61 - 67
	Q2 : 50%	50% of the students score ranges within 67	8.7% of the students scored between 67 - 75.7
	Q3 : 75%	75% of the students score ranges within 75.7	11.3% of the students scored between 75.7 - 87
	99%	99% of the students score ranges within 87	2.4% of the students scored between 87 - 89.4
	Q4 : 100%	100% of the students score ranges within 89.4	
12th Percentage	Q1 : 25%	25% of the students score ranges within 60.9	4.1% of the students scored between 60.9 - 65
	Q2 : 50%	50% of the students score ranges within 65	8% of the students scored between 65 - 73
	Q3 : 75%	75% of the students score ranges within 73	18.86% of the students scored between 73 - 91.86
	99%	99% of the students score ranges within 91.86	5.85% of the students scored between 91.86 - 97.7
	Q4 : 100%	100% of the students score ranges within 97.7	
Degree Percentage	Q1 : 25%	25% of the students score ranges within 61	5% of the students scored between 61 - 66
	Q2 : 50%	50% of the students score ranges within 66	6% of the students scored between 66 - 72
	Q3 : 75%	75% of the students score ranges within 72	11.8% of the students scored between 72 - 83.86
	99%	99% of the students score ranges within 83.86	7.14% of the students scored between 83.86 - 91
	Q4 : 100%	100% of the students score ranges within 91	
Entrance Test Percentage	Q1 : 25%	25% of the students score ranges within 60	11% of the students scored between 60 - 71
	Q2 : 50%	50% of the students score ranges within 71	12.5% of the students scored between 71 - 83.5
	Q3 : 75%	75% of the students score ranges within 83.5	13.5% of the students scored between 83.5 - 97
	99%	99% of the students score ranges within 97	1% of the student scored between 97 - 98
	Q4 : 100%	100% of the students score ranges within 98	
MBA Percentage	Q1 : 25%	25% of the students score ranges within 57.9	4.1% of the students scored between 57.9 - 62
	Q2 : 50%	50% of the students score ranges within 62	4.2% of the students scored between 62 - 66.2
	Q3 : 75%	75% of the students score ranges within 66.2	9.6% of the students scored between 66.5 - 76.1
	99%	99% of the students score ranges within 76.1	1.7% of the students scored between 76.1 - 77.8
	Q4 : 100%	100% of the students score ranges within 77.8	