

Skewness and Kurtosis

	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
IQR	107.0	15.1	12.1	11.0	23.5	8.31	60000.0
1.5 rule	160.5	22.65	18.15	16.5	35.25	12.465	90000.0
Lesser Outlier	-106.0	37.95	42.75	44.5	24.75	45.48	150000.0
Greater Outlier	322.0	98.35	91.15	88.5	118.75	78.72	390000.0
Min	1	40.89	37.0	50.0	50.0	51.21	200000.0
Max	215	89.4	97.7	91.0	98.0	77.89	940000.0
Skewness	0.0	-0.132649	0.163639	0.244917	0.282308	0.313576	3.569747
Kurtosis	-1.2	-0.60751	0.450765	0.052143	-1.08858	-0.470723	18.544273

Skewness – is based on Mean, Median, Mode to find the peak information.

The below table shows the skewness of each column

Column Name	Value	Skewness
Sl_no	0	Normal
Ssc_p	-0.1326	Negative
Hsc_p	0.16	Positive
Degree_p	0.244	Positive
Etest_p	0.28	Positive
Mba_p	0.313	Positive
salary	3.5	Positive

Kurtosis – is to get the spread and peak of information. <3 -playkurtic, =3 -mesokurtic, >3-leptokurtic

The below table shows the Kurtosis of each column

Column Name	Value	Kurtosis
Sl_no	-.1.2	playkurtic
Ssc_p	-0.6075	playkurtic
Hsc_p	0.45	playkurtic
Degree_p	0.052	playkurtic
Etest_p	-1.08	playkurtic
Mba_p	-0.47	playkurtic
salary	18.54	leptokurtic