

## Data science – Univariate Analysis – Skewness and Kurtosis Interpretation Report

	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>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
<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>Skewness</b>	0.0	-0.132649	0.163639	0.244917	0.282308	0.313576	3.569747
<b>Kurtosis</b>	-1.2	-0.60751	0.450765	0.052143	-1.08858	-0.470723	18.544273

### SKEWNESS:

- SSC\_P: The skewness value is Negative this indicates that Mean is greater= -0.132649
- HSC\_P: The skewness value is Positive this indicates that Mode is greater= 0.132649
- DEG\_P: The skewness value is Positive this indicates that Mode is greater= -0.132649
- ETEST\_P: The skewness value is Positive this indicates that Mode is greater= -0.132649
- MBA\_P: The skewness value is Positive this indicates that Mode is greater= -0.132649
- SALARY: The skewness value is Positive this indicates that Mode is greater= -0.132649

## KURTOSIS:

- SSC\_P: The Kurtosis value is Negative this indicates it is Platykurtic ( $<3$ ) = -0.60751
- HSC\_P: The Kurtosis value is Positive this indicates it is Platykurtic ( $<3$ ) = 0.450765
- DEG\_P: The Kurtosis value is Positive this indicates it is Platykurtic ( $<3$ ) = 0.052143
- ETEST\_P: The Kurtosis value is Negative this indicates it is Platykurtic ( $<3$ ) = -1.08858
- MBA\_P: The Kurtosis value is Negative this indicates it is Platykurtic ( $<3$ ) = -0.470723
- SALARY: The Kurtosis value is Positive this indicates it is leptokurtic ( $>3$ ) = 18.544273

Hence only the Salary is higher than 3 and comes under leptokurtic this means only students with high are alone getting high salary only the peakiness comes for those students. Other than that this class is a average performing class.