KURTOSIS AND SKEW SUMMARY 14/4/2024

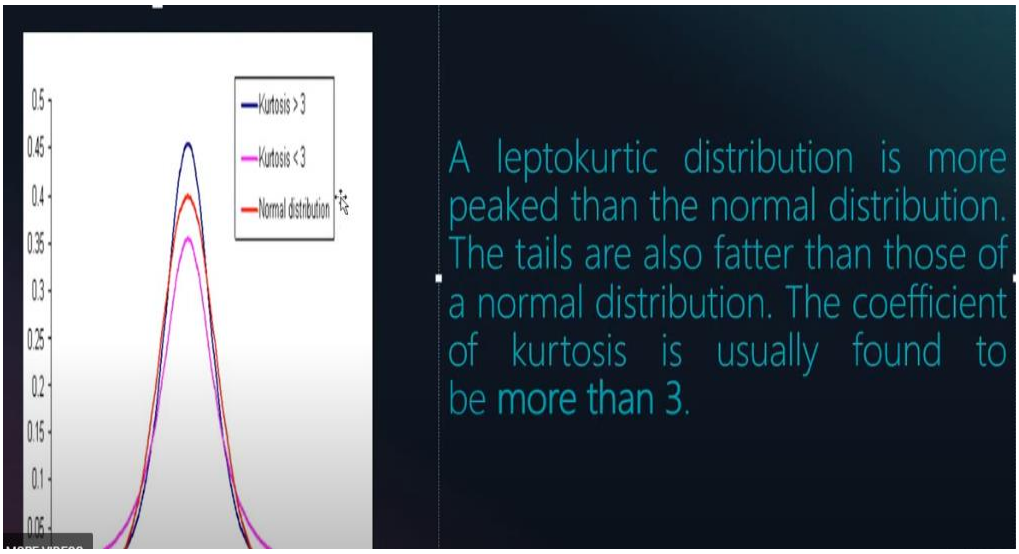
	sl_no	ssc_p	hsc_p	degree_p	etest_p	mba_p	salary
Mean	108.0	67.303395	66.334744	66.358558	72.100558	62.278186	277648.648649
Median	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
Mode	1	62.0	63.0	65.0	60.0	56.7	300000.0
Q1:25%	54.5	60.6	60.9	61.0	60.0	57.945	240000.0
Q2:50%	108.0	67.0	65.0	66.0	71.0	62.0	265000.0
Q3:75%	161.5	75.7	73.0	72.0	83.5	66.255	300000.0
Q4:100%	215.0	89.4	91.15	88.5	98.0	77.89	390000.0
IQR	107.0	15.1	12.1	11.0	23.5	8.31	60000.0
1.5rule	160.5	22.65	18.15	16.5	35.25	12.465	90000.0
Lesser	-106.0	37.95	42.75	44.5	24.75	45.48	150000.0
Greater	322.0	98.35	91.15	88.5	118.75	78.72	390000.0
Min	1	40.89	42.75	50.0	50.0	51.21	200000.0
Max	215	89.4	91.15	88.5	98.0	77.89	390000.0
kurtosis	-1.2	-0.60751	0.086901	-0.09749	-1.08858	-0.470723	-0.239837
skew	0.0	-0.132649	0.162611	0.204164	0.282308	0.313576	0.8067

KURTOSIS

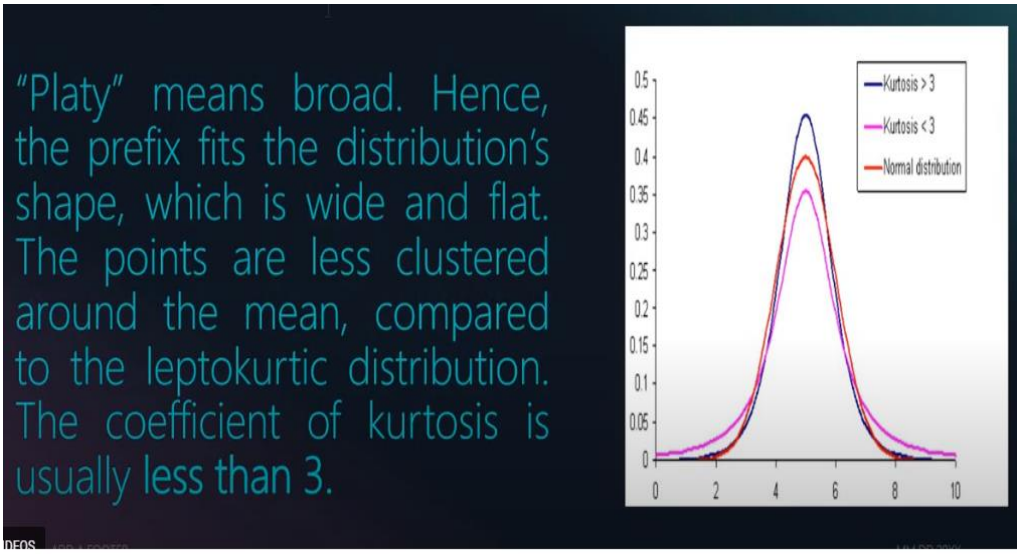
- Level of Peakness of the Frequency.
- Level of Flatness of the Frequency.

Three view of frequency

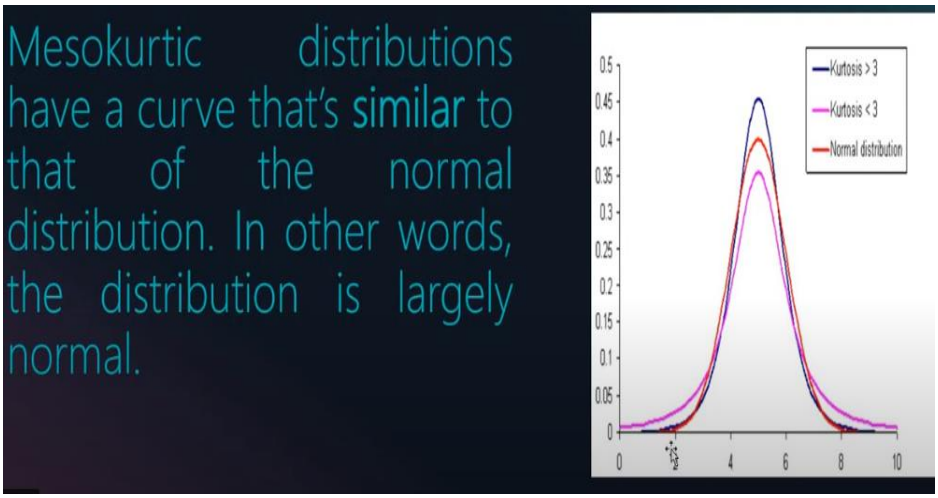
1. **LeptoKurtic Distribution**



2. **PlatyKurtic Distribution**



3. **MesoKurtic Distribution**



Type of Kurtosis	Tailedness	Outlier Frequency	Kurtosis Value	Excess Kurtosis
Leptokurtic	Heavy	High	>3	>0
Mesokurtic	Moderate	Moderate	3	0
Platykurtic	Light	Low	<3	<0

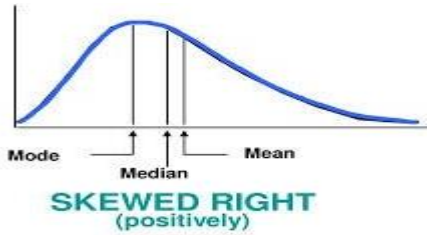
1) The Kurtosis of **ssc_p** mark is -0.60751 . So, the graph represents <0 **PLATY KURTIC DISTRIBUTION.**
2) The Kurtosis of **hsc_p** mark is 0.086901 . So, the graph represents 0 **MESOKURTIC DISTRIBUTION.**
3) The Kurtosis of **degree_p** mark is -0.09749 . So, the graph represents 0 **PLATYKURTIC DISTRIBUTION.**
4) The Kurtosis of **etest_p** mark is -1.08858 . So, the graph represents 0 **PLATYKURTIC DISTRIBUTION.**

5) The Kurtosis of **mba_p** mark is -0.470723 . So, the graph represents 0 **PLATYKURTIC DISTRIBUTION.**
6) The Kurtosis of **salary** range is -0.239837 . So, the graph represents 0 **PLATYKURTIC DISTRIBUTION.**

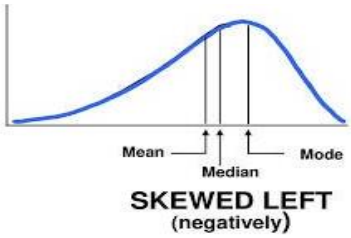
SKEWNESS

When Mean, Median, Mode does not coincide.

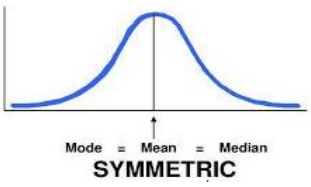
1) **Positively Skewed**
    - When the Distribution frequency curve has a long tail to the Right side.
    - This means, Mean is greater than Mode.



2) **Negatively Skewed**
    - When the frequency curve has a Long tail to the Left side.
    - This means, Mean is Lesser than Mode.



3) **Symmetric (Normal Distribution)**
    - Zero skewness.
    - Mean=Median=Mode



1) The Skew of **ssc_p** mark is -0.132649 . So, the graph represents <0 **PLATY KURTIC DISTRIBUTION.**
2) The Skew of **hsc_p** mark is 0.162611 . So, the graph represents 0 **MESOKURTIC DISTRIBUTION.**
3) The Skew of **degree_p** mark is 0.204164 . So, the graph represents 0 **MESOKURTIC DISTRIBUTION.**
4) The Skew of **etest_p** mark is 0.282308 . So, the graph represents 0 **MESOKURTIC DISTRIBUTION.**
5) The Skew of **mba_p** mark is 0.313576 . So, the graph represents 0 **MESOKURTIC DISTRIBUTION.**
6) The Skew of **salary** range is 0.8067 . So, the graph represents 0 **MESOKURTIC DISTRIBUTION.**