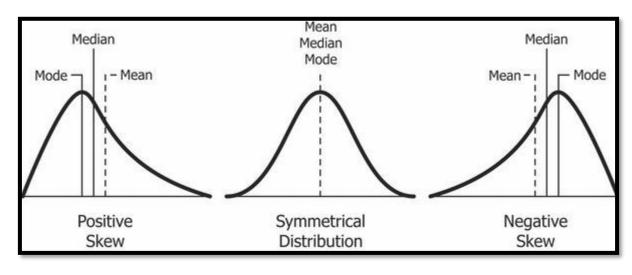
KURTOSIS AND SKEWNESS USING THE STATISTICAL SUMMARY

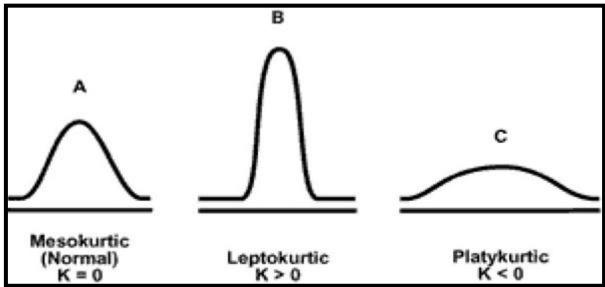
Skewness

- Measures asymmetry of the distribution.
- **Positive skew:** Tail on the right (more low values).
- ♣ Negative skew: Tail on the left (more high values).
- **Zero skew:** Symmetrical distribution.

Kurtosis

- Measures tailedness or peakedness of the distribution.
- **Leptokurtic (>3)**: Heavy tails, sharp peak → more outliers.
- **♣ Platykurtic (<3)**: Light tails, flat peak → fewer outliers





Kurtosis describes how peaked or flat a distribution is:

- **Leptokurtic (>3)**: Sharp peak, heavy tails → more outliers.
- **♣ Platykurtic (<3)**: Flat peak, light tails → fewer outliers.

Variable	Kurtosis	Interpretation	
ssc_p	-0.106021	Platykurtic	
hsc_p	-0.055896	Platykurtic	
degree_p	-0.218083	Platykurtic	
etest_p	-0.438118	Platykurtic	
mba_p	-0.372526	Platykurtic	
salary	3.217045	Leptokurtic (sharp peak)	

Skewness tells us which side the tail of the distribution stretches toward:

- **♣ Positive Skew (Right-skewed)**: Tail on the right → mean > median > mode
- **♣ Negative Skew (Left-skewed)**: Tail on the left → mode > median > mean
- **4** Zero or Near-Zero Skew: Symmetrical → mean ≈ median ≈ mode

Variable	Skewness	Mean	Median	Mode	Interpretation
ssc_p	- 0.132649	67.30	67.0	60.0	Negatively skewed (mode < median)
hsc_p	- 0.149533	66.33	65.0	60.0	Negatively skewed
degree_p	- 0.003407	66.36	66.0	60.0	Nearly symmetrical
etest_p	- 0.013384	72.10	71.0	60.0	Nearly symmetrical
mba_p	- 0.137276	62.78	62.0	71.0	Negatively skewed (mode > mean)
salary	3.082187	277648.6	265000.0	300000.0	Strongly right-skewed (mean > median < mode)