CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR, UP

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Paper – 3rd

Measurement, Evaluation and Statistics in Education (MED 303)

Topic – Divergence of Normal Probability Curve: Kurtosis

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Drawing of Normal Probability Curve

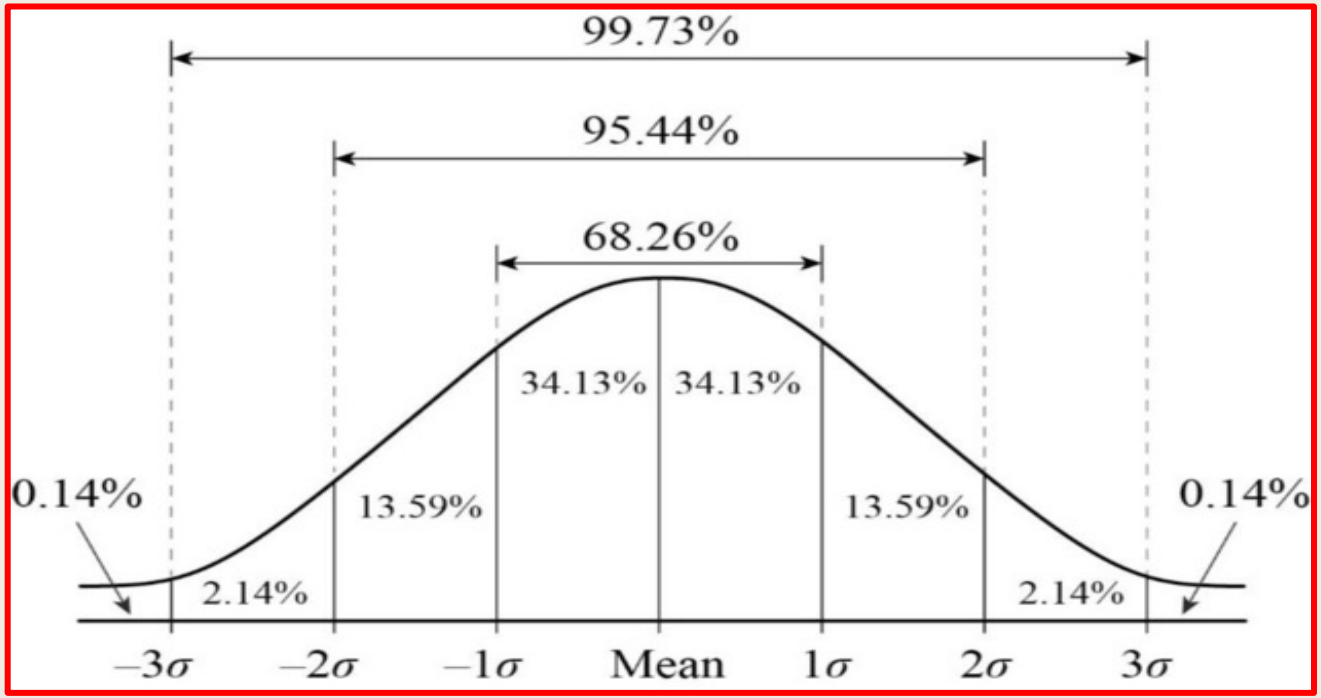


*Image Source: https://www.chegg.com/homework-help/definitions/normal-curve-31

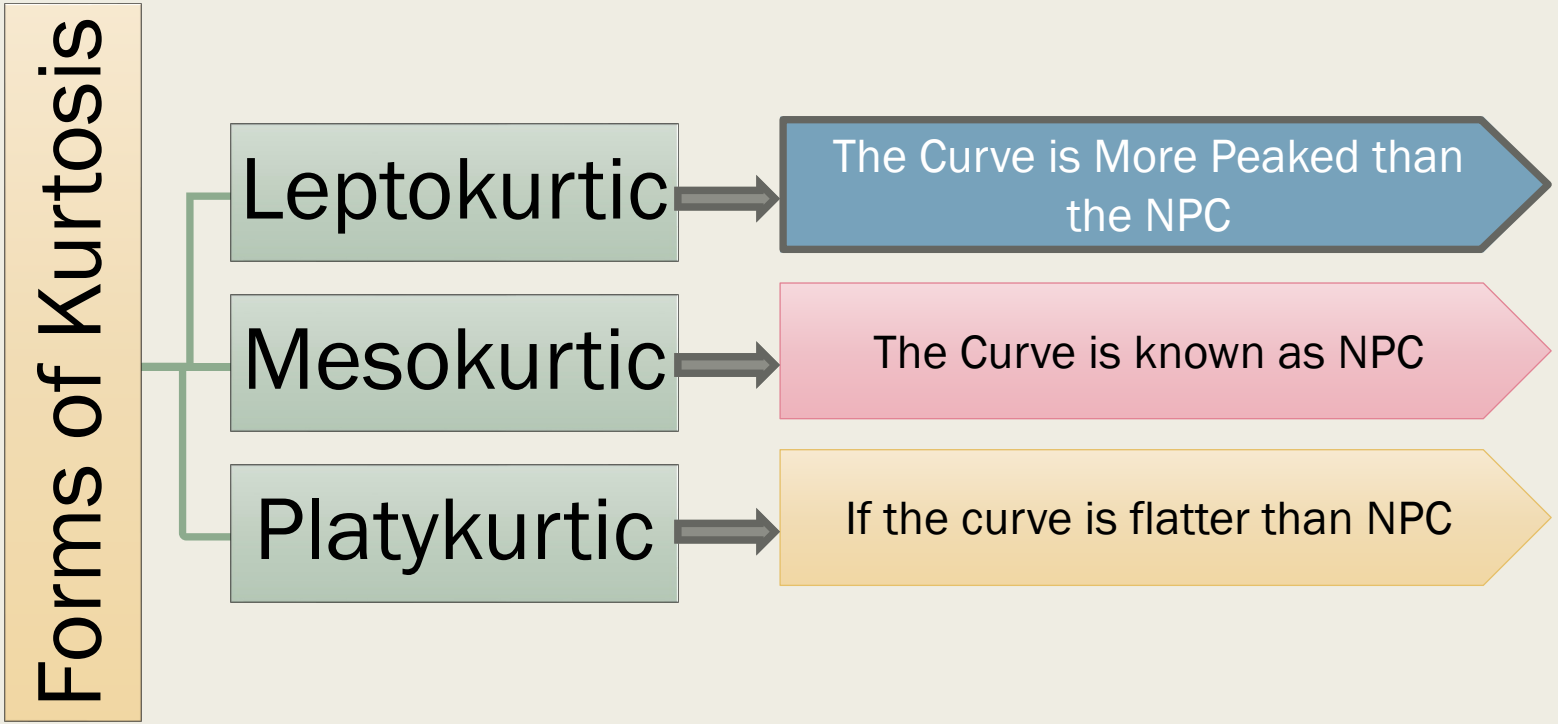
Divergence of Normal Probability Curve

Skewness

Kurtosis

Kurtosis

- The word Kurtosis refers to the height of Curve i.e. *Peakness*



Kurtosis

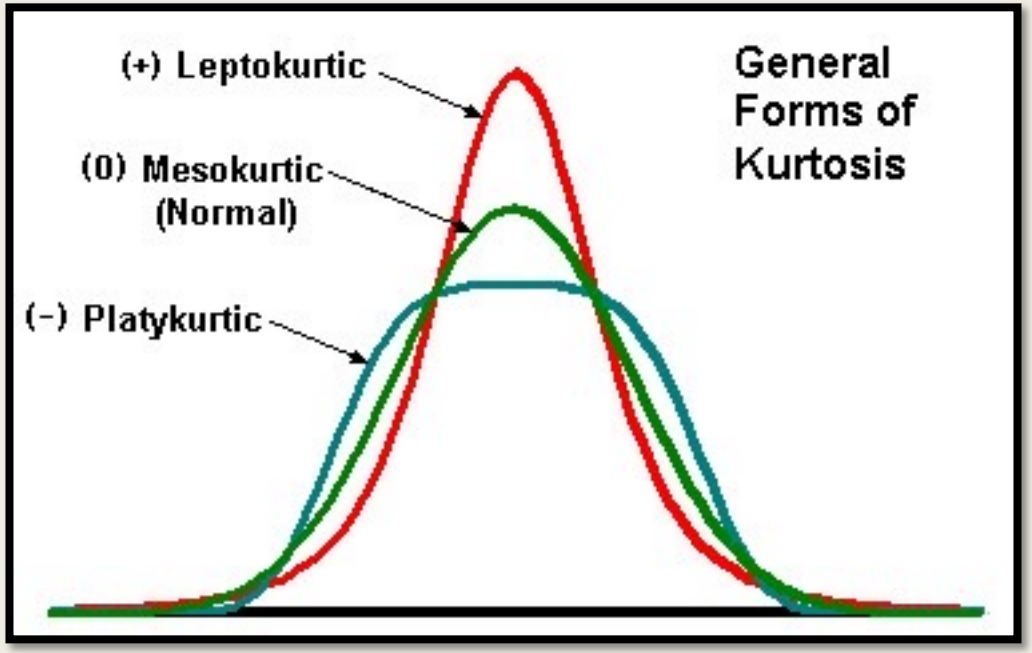


*Image Source: https://unofficed.com/lessons/kurtosis/

Measuring Kurtosis

The Formula:

$$\text{Ku} = \frac{Q}{P_{90} - P_{10}}$$

Where –

Q = Quartile Deviation

P_{10} = 10^{th} Percentile

P_{90} = 90^{th} Percentile

References

Books:

Gupta, S. P. (2011). *Modern Measurement & Evaluation.* Prayagraj: Sharda Pustak Bhavan

Best, J. &. (2011). *Research in Education*. New Delhi: PHI Learning Pvt. Ltd.

Creswell, J.W. (2017). *An Introduction to Educational Research*, London: Sage

Donald Ary, L. C. (2016). *Introduction to Research in Education*. U.K.: Wadsworth Cengage Learning

James Arthur, M. W. (2013). *Research Methods and Methodologies in Education*. London: Sage Publications

Weblinks:

- https://www.chegg.com/homework-help/definitions/normal-curve-31
- https://unofficed.com/lessons/kurtosis/
- https://egyankosh.ac.in/bitstream/123456789/20963/1/Unit-1.pdf