

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY,  
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**Paper – 3<sup>rd</sup>**

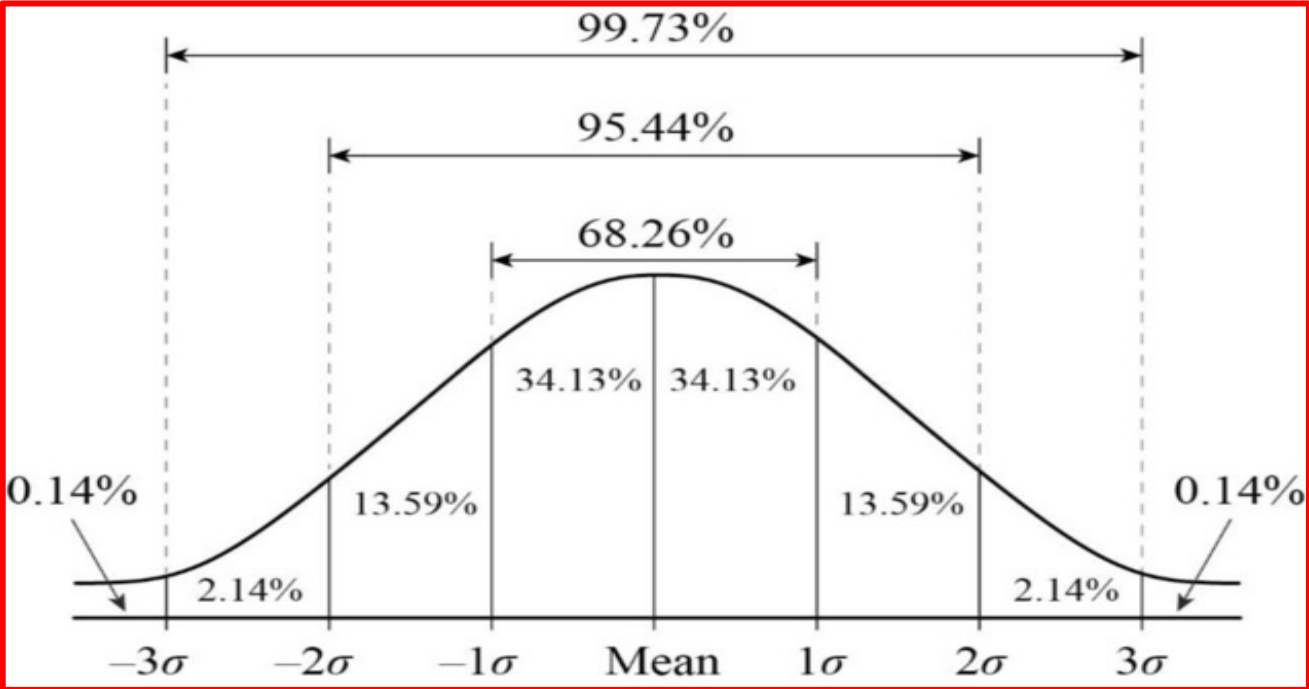
Measurement, Evaluation and Statistics in Education (MED 303)

**Topic – Characteristics of Normal Probability Curve**



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# Drawing of Normal Probability Curve



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

# Characteristics of Normal Probability Curve

## 3. Equality of Measures of Central Tendency

$$M = Md = M_0$$

M = Mean, Md = Median, M<sub>0</sub> = Mode

## 4. Coefficient of Skewness

It is a Symmetrical Curve then

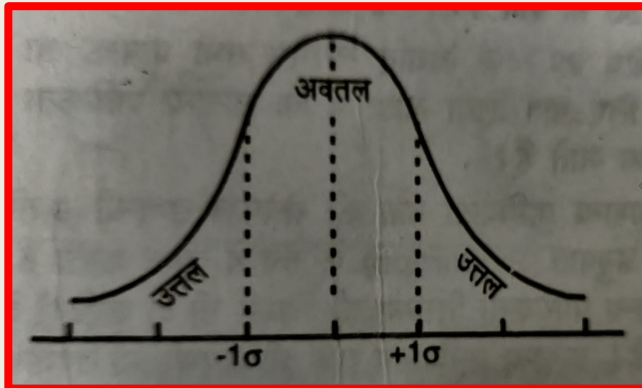
$$S_k = 0$$

\*refer slide 2

## 5. Coefficient of Kurtosis

- It is an average height curve then –  
 $K_u = 0$

## 6. Point of Inflection



+1σ to -1σ (Base) = Concave

+1σ to -1σ (Tails) = Convex

## References

### Books:

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

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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>