CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR, UP

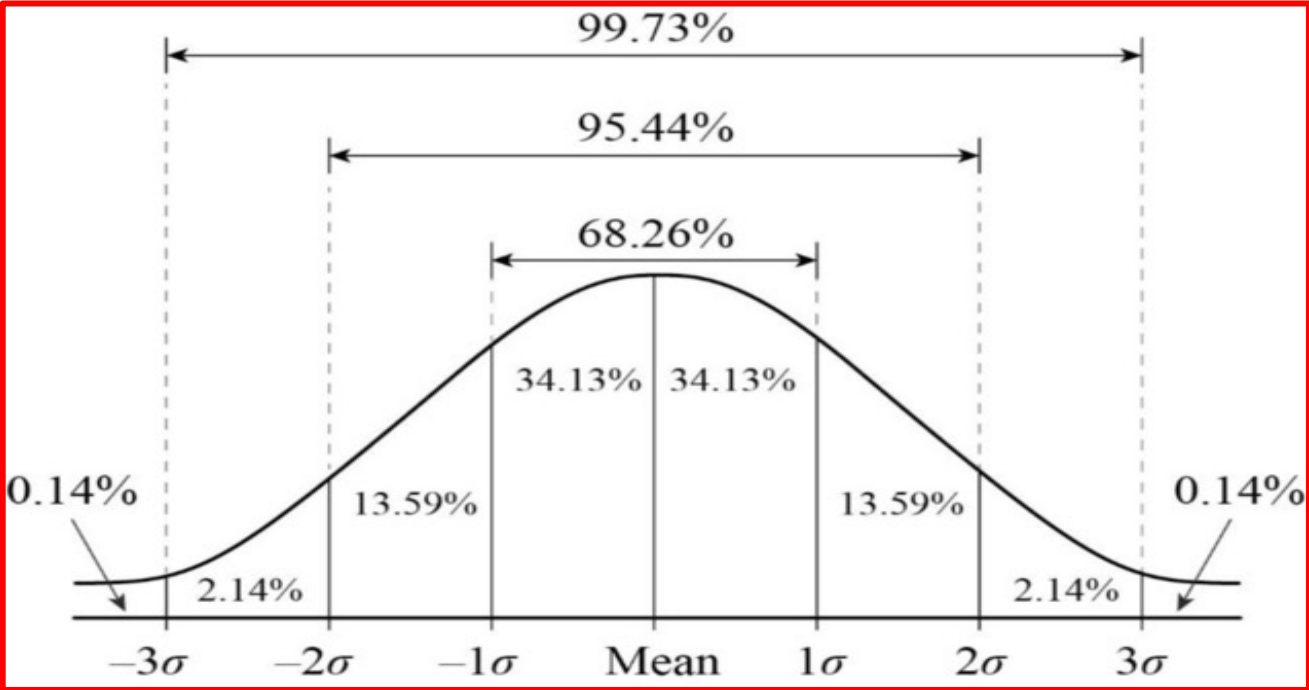## M.Ed. III Semester

2022 – 23

Paper – 3rd

Measurement, Evaluation and Statistics in Education (MED 303)

Topic – Characteristics of Normal Probability Curve

Prepared & Presented by

Dr. Vimal Singh, Assistant Professor

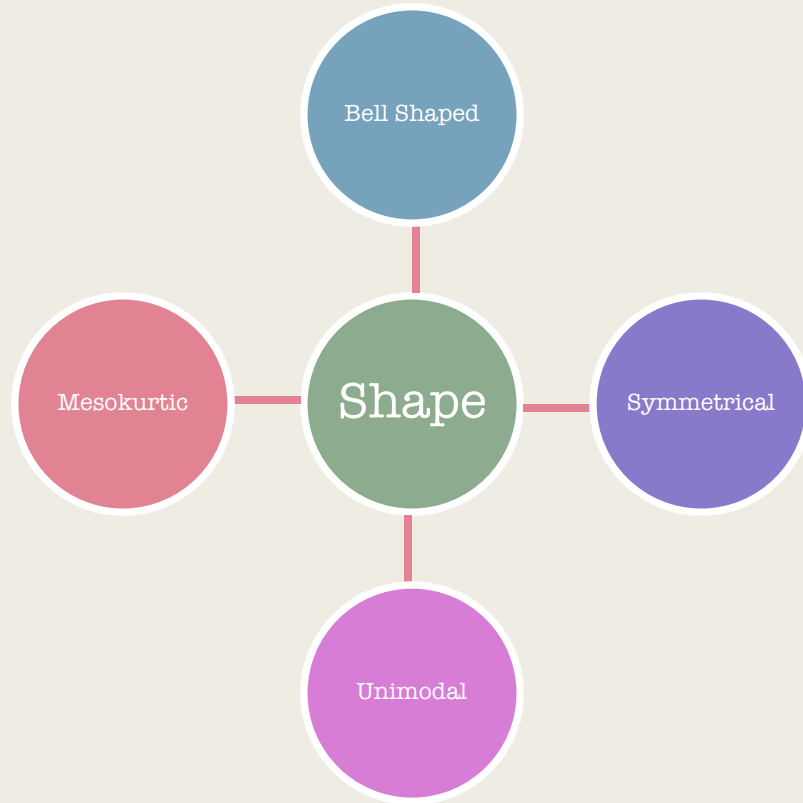Department of Education

CSJM, University Kanpur UP

Drawing of Normal Probability Curve

Characteristics of Normal Probability Curve

1. Shape

$$y = \frac{N}{\sigma \sqrt{2\pi}} \, e^{-x^2/2\sigma^2}$$

y = Height

x = X – M (Distance from Mean to Score)

σ = Standard Deviation

N = Total Frequency

$\pi = Constant$ (3.1416)

e = Constant (2.71828)

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

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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