

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY,
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Paper – 3rd

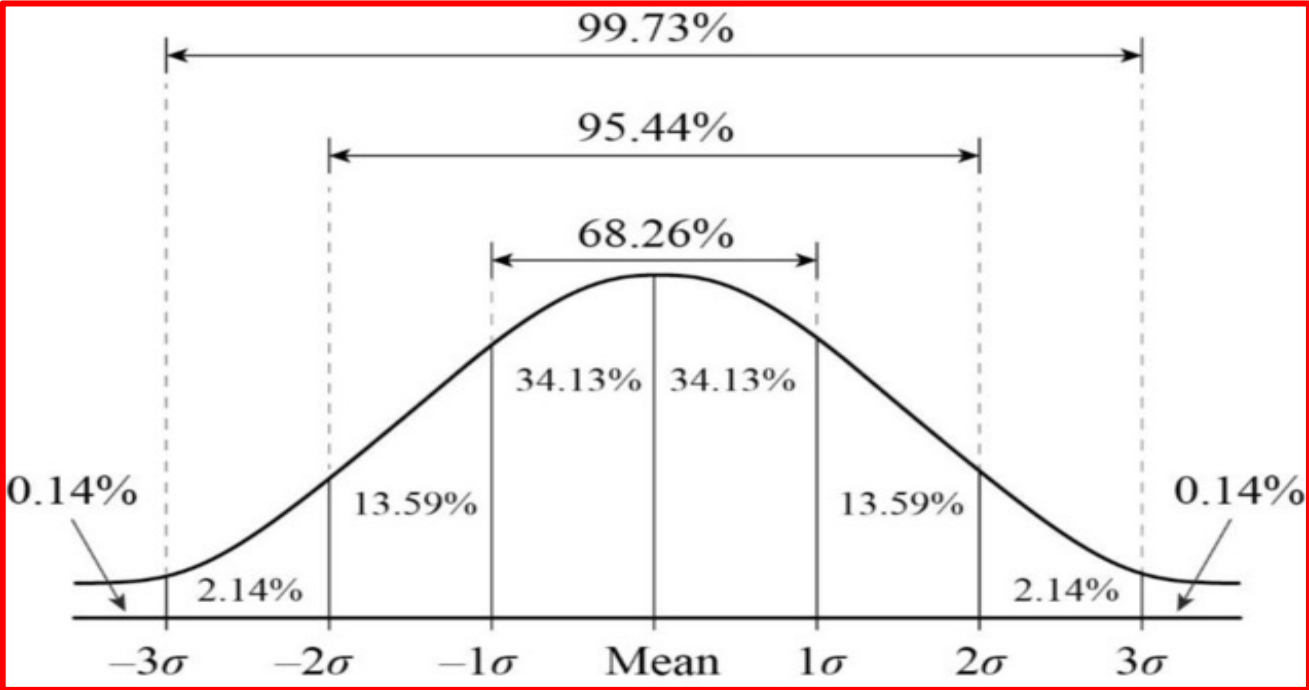
Measurement, Evaluation and Statistics in Education (MED 303)

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



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

Characteristics of Normal Probability Curve

7. Asymptotic

The NPC approaches horizontal axis asymptotically

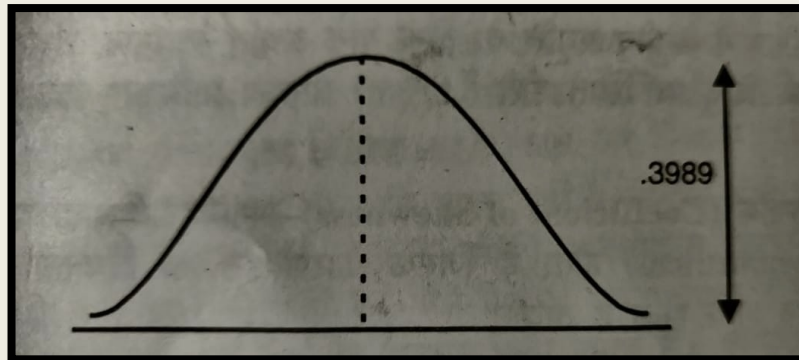
8. Equal Difference of Quartiles from Median

$$Q_3 - Md = Md - Q_1 = Q \text{ or PE}$$

9. Relationship between Q.D. and S.D.

- $Q = .6745 \sigma$ and $\sigma = 1.482$

10. Highest Ordinate



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>