

CORE COURSE: GYP 459: Statistical Methods in Geography

Course Learning Outcomes:

- CO1. Understand the basic concept of statistical methods.
- CO2. Analyse the significance of spatial measures of dispersion in statistics.
- CO3. Analyse the measures of central tendency models in the real world with different perspectives.
- CO4. Understand the concept of process of data.
- Unit 1: Processing of Data: Data, Preparation of Frequency Table, Graphical Presentation of Frequency, Histograms, Frequency Polygon and Ogive Curves. -13
- Unit 2: Measurement of Central Tendency: Mean, Median and Mode, Meaning, Computation and Uses. -14
- Unit 3: Measures of Dispersion: Mean Deviation, Standard Deviation, Quartile Deviation and Coefficient Variation, Quartiles, Deciles and Percentiles.

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Unit 4: Measures of Association: Correlation- Meaning and Methods, Rank Order Correlation, Product Moment Correlation and Regression Coefficients.

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References:

- 1. Haymond and Mccullah (1974), Quantitative techniques in geography, An introduction, Oxford London.
- 2. Aslam Mohamed (1977), Statistical Methods in Geographical Studies, Rajesh Publications, New Delhi.
- 3. Gupta CB. (1979), An introduction to statistical methods, Vikas publishing house pvt. Ltd. New Delhi.
- 4. Murray R. Spiegal (1972): Theory and problems of statistics, Mc. Grawhill Book co. New York.
- 5. Singh RL. (1979) elements of Practical Geography, Kalyani Publishers, New Delhi