

MANGALORE UNIVERSITY
MSc Geography

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. -14

Unit 4: Measures of Association: Correlation- Meaning and Methods, Rank Order Correlation, Product Moment Correlation and Regression Coefficients. -13

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. Spiegel (1972): Theory and problems of statistics, Mc. Grawhill Book co. New York.
5. Singh RL. (1979) elements of Practical Geography, Kalyani Publishers, New Delhi