

Course objectives

To train the students in collection, analysis, interpretation, presentation of quantitative data and qualitative data.

Course Outline

- 1. Introduction**
 - o Introduction to quantitative techniques, data and information
- 2. Measurement of Averages**
 - o Measures of Central tendency
 - o Measurement of Dispersion
- 3. Sampling**
 - o Universe and population,
 - o Sampling and type sampling
- 4. Statistical diagrams**
- 5. Probability theory**
 - o Probability theory
 - o Normal Distribution
 - o Curve Tests of Significance
 - o Non-Parametric Tests
- 6. Relationship Variables**
 - o Correlation and Regression
 - o The Analysis of Variance.

Recommended Books

1. Bhatti, I. A. (2016) “Statistics made easy”, Bhatti Publishers, Jhelum.
2. Chapman, J. and McGraw, J. R. (1993) “An introduction to statistical problems solving in Geography”, WCB, Oxford.
3. Zia-ud-Din, M. (1990) “Elementary statistics”, S. Chand, New Delhi Matthew,
4. H. and Foster, I. (1989) “Geographical data: sources, presentation and analysis”, Oxford university press, Oxford.