

Govt. Degree College Baramulla.
Department of Statistics
SEC (Skill Course)
FOR SEM-Ist (UG)

Title: Statistical Data Analysis-I Using SPSS

Code: BST22S102

Learning outcomes:

- To equip students with theoretical and analytical skills with the capability to understand and handle the dynamic of statistics in the business world.
- Students will have ability to express thoughts and ideas effectively in Statistical language.
- The students could develop Statistical reasoning to analyze and interpret socio economic data from a variety of sources.
- The students will be able to equipped themselves within depth SPSS software for statistical computing.

Credits:2+2

Theory : 2 Max Marks:30

Practicals : 2 Max Marks: 30

Unit I

Introduction to SPSS, Data Entry. Formation of discrete and continuous frequency distribution from raw data by using SPSS. Effect of change of origin and scale on variables. Graphical representation of data:- Bar diagrams, Histogram, Cumulative frequency curve, Frequency polygon and pie chart.

Unit II

Computational technique on measures of central tendency: - Arithmetic mean, Median, Mode, Geometric mean and Harmonic mean. Computational techniques on absolute and relative measures of dispersion: Range, Quartile deviation, Mean deviation and Standard deviation.

Practical:

Entry, Management and Exploration of data through SPSS.

Graphical representation of data through SPSS.

Computation techniques , analysis and interpretation of data through SPSS.

References:

1. Statistical Methods, By S.P Gupta, S Chand and Sons.
2. Data Analysis using SPSS, By Dr. Lalit Prasad and Dr. Priyanka Mishra, NIRALI publications.
3. Link : www.iasri.res.in

