

## **SPSS Course Contents:**

1. Merits of SPSS
2. Data Handling:
  - a Creating SPSS data set
  - b Reading the data set from different formats
  - c Defining the variable attributes
  - d Different levels of measure: scale, ordinal, nominal
  - e Creating new variables
3. Univariate analysis:
  - a Basic descriptive statistics. Measures of central tendency: mean, median, mode. Measures of dispersion: range, standard deviation, variance.
  - b Frequencies and Distribution
  - c Other basic Univariate procedures: Explore, Crosstab
4. Transforming the data:
  - a Computing new variables;
  - b Redefining or reorganization of existing data.
  - c Filtering the data
  - d Weighing Cases
  - e Sorting
  - f Replacing the missing values
  - g Using subsets of variables
5. Comparing similar variables. Comparing means and distribution. Analysis of Variance.
6. Graphs and charts: bar chart, pie chart, histogram, scatter plot. Which of them should be used in different situations?
7. Hypothesis analysis with SPSS.
8. Testing dependence/independence, Pearsons chi-square, Levels of significance.