
SPSS (Statistical Package for Social Science)

Introducing to SPSS

- SPSS - Introduction
- The interface
- The variable view
- The data view
- The output view
- The syntax view

Reading Data from various Sources

- Reading Data from a Text file
- Reading Data from a Database
- Reading Data from Excel Sheets
- Reading SPSS Data Files

Variables & Dataset Creation

- Naming of Variable names
- Creating Labels for Variables
- Variables Type
- Binary Variables
- New data set Creation

Data Transformations

- Transformation of Data
- Expressions creation with more than one variable
- Various Conditional Expressions

Modifying Data Values

- Data Values Modifications
- New Variable Computation

Crosstab Report

- Crosstab Statistics
- Creating of Crosstab Report
- Crosstab cells
- Adding various layers to crosstabs

Sorting and Selecting Data

- Data Selection and Sorting
- Split-File
- Creation of Subsets of Cases

Working with Output

- Working with Output
- Pivot Table Editor
- Using SPSS Results in Other Applications
- Exporting SPSS Results to Microsoft Excel, Microsoft Word and PDF Files

Descriptive Statistics

- Descriptive statistics: Descriptive (univariate)
- Frequencies
- Categorical Data Measurement
- Categorical Data - Charts
- Scale Variables – Their measurements
- Recoding the existing variables

Univariate Analysis

- Line Graphs
- Bar Graphs
- Pie Graph
- Graphs for cumulative frequency
- Histograms and frequency statistics – with variables
- Determining the nature of the distribution of continuous variables
- Boxplot
- T-Test and error bar

Multivariate Analysis

- Bar Graph for Means
- Line graph for comparing median
- Scatters
- Correlations
- Bivariate correlations
- Partial correlations
- Plotting scatters of several variables against one other
- Execute the analyses for means comparison: t test, between-subjects ANOVA
- Perform the regression analysis (simple and multiple regression)
- Time Series