

# Statistical Analysis with IBM SPSS Statistics

## Introduction:

This course introduces you to the power and functionality of IBM SPSS Statistics as a data analysis tool and covers standard exploratory statistical analysis of data. The course will cover:

- Accessing data entry and import from other media, such as Excel
- Manipulating data to create new data fields
- Presenting data. Tabular and graphical output for analysis and reporting
- Exploratory data analysis
- Assessing whether significant differences exist between groups
- Assessing whether significant associations/correlations exist between data fields
- Basic trend analysis

On completing this course, you should be confident in leveraging the power of IBM SPSS Statistics. You will be able to access data and create bespoke, high-quality reports and output for monitoring data and enabling decision support. This includes the ability to draw conclusions from the data based on powerful statistical analysis.

Course attendees will receive course manual and sample data files following the completion of the course.

## Duration:

3 days

## Target Audience:

This course is designed for those wishing to learn how to enter, modify, analyse, and present data using IBM SPSS Statistics.

## Prerequisites:

Attendees are requested to be computer literate. Experience of working in the Windows environment and an understanding of the key Windows features is assumed.

## Course Content:

### Day 1: Introduction to the Course.

- Introduction to Statistical Analysis & Introduction to IBM SPSS Statistics.
- Entering and Editing Data
- Reading Data & Manipulating Data Sources
- Summarizing Individual Variables

### Day 2: Variable Relationships, Visualizations & EDA.

- Recode & Compute
- Describing Multiple Variable Relationships
- Select Cases & Charts
- Exploratory Data Analysis: Scale Data

### Day 3: Probabilities, T-Tests, Correlations, Regression.

- Probability and Inferential Statistics
- Comparing Categorical Variables
- T-Tests & Bivariate Plots and Correlations
- Introduction to Regression

### Questions?

If you have any questions about training options, or would like to discuss a bespoke training solution please contact the Version 1 SPSS team at [spsstraining@version1.com](mailto:spsstraining@version1.com) or check out our website for training options, tutorials and hot tech tips at [spssanalyticspartner.com](http://spssanalyticspartner.com).