

# Statistical Analysis with SPSS

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.

## Course Outline

### Data definition and access

---

Defining variables and entering data using the built-in Data Editor

Applying dictionary information from another file

Importing data from spreadsheets and other applications

### Data modification

---

Computing new variables and recording data values

Selecting subsets of the data

Splitting data files to obtain sub-group summaries

### Data analysis and presentation

---

Levels of measurement (types of data)

Summarizing variables using frequencies and descriptives

Bar charts, histograms and boxplots

Summaries of central tendency (e.g. mean, median and mode)

Summaries of spread and shape (e.g. standard deviation, skewness) The 'normal distribution' and its importance

Producing crosstabulation tables and testing for significant relationships with chisquare

Assessing relationships between continuous variables through plots and correlations

## Contact

