

# 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.

Group classes in NYC and onsite training is available for this course.  
For more information, email [contact@nyimtraining.com](mailto:contact@nyimtraining.com) or visit:  
<https://training-nyc.com/courses/statistical-analysis-with-spss>



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## 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