

## Express Course: Probability and Inferential Statistics

This two-hour course will introduce attendees to probability and inferential statistics in IBM SPSS Statistics. This course will cover the following topics:

- Sample inferential statistical test
- What is probability?
- When is probability used?
- Making inferences about populations from samples
- Influence of Sample Size
- Hypothesis Testing
- Types of Statistical Errors
- Statistical Significance and Practical Importance
- Consideration of statistical assumptions
- Running an inferential statistical test and interpreting the output

Course attendees will receive sample data files and step-by-step exercises that can be completed following the course.