Express Course: Examining Variable Relationships in IBM SPSS Statistics

Descriptive statistics are powerful summaries of your data, but analysts also want to test hypotheses and examine research questions. In this two-hour course, we will move beyond descriptive statistics to examine variable relationships in IBM SPSS Statistics. The most used statistical tests to test variable relationships will be covered.

This course will cover the following topics:

- A quick review of data types and why they matter
- Type of data and appropriate analysis
- Examining relationships between categorical variables: the chi-square test
- Graphing the chi-square test
- Examining relationships between a categorical factor and numeric target: one-way ANOVA
- Graphing a one-way ANOVA
- Examining relationships between scale variables: Correlation
- Graphing a Correlation

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