

ADVANCED TECHNIQUES ANOVA

■ Duration: 2 days ■ Advanced

Target Audience

PASW Statistics users who want to improve their understanding of analysis of variance techniques. Those who want to know how to set up analysis of variance in PASW Statistics as well as how to interpret the results.

Prerequisites

Familiarity with PASW Statistics, including variable definition, opening and saving data files, generation of basic exploratory statistics. The understanding of Central Tendency, Dispersion and Hypothesis Testing (including the t-test) is an essential prerequisite.

Overview

The course focuses on the different Analysis of Variance techniques which allow you to test whether the means of several populations are the same. After discussing the basic assumptions for each technique you will check the assumptions, run the analysis and draw conclusions from the data.

Course Content

- Introduction to ANOVA
- Examining data and testing assumptions
- One-Factor ANOVA
- Multi-Way univariate ANOVA
- Multivariate analysis for variance
- Within-subjects designs – repeated measures
- Between and within-subjects ANOVA
- Mixed Models ANOVA
- Analysis of covariance
- Appendix: Special topics

Products used: PASW Statistics Base and PASW Advanced Statistics

