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Intermediate Topics on Structural Equation Modeling Using IBM SPSS Amos (V22)
Information

Length: 2.0 Days
__Ref: 0G2L3G-X
Delivery method: Classroom
Price: EUR

Overview

Intermediate Topics on Structural Equation Modeling Using IBM SPSS Amos(V22) is a two day instructor-led classroom course, that guides students through a variety of advanced topics in Structural Equation Modeling.

Public

This intermediate course is for analysts with experience in Structural Equation Modeling and using IBM SPSS Amos.

Prerequisites

You should have:

- Taken the Introduction to Structural Equation Modeling Using IBM SPSS Amos course or have equivalent experience
- Familiarity with Structural Equation Modeling

Objective

Please refer to course overview for description information.

Topics

Nested Models

- The Felson and Bornstedt Models
- Demonstrating Nested Models

Multiple Group Comparisons

- What is a Multiple Group Comparison?
- Specifying the Groups for a Multi-group Analysis

- Constraining the parameters to be equal
- Performing the multi-group analysis
- Demonstration - Manually testing for multi-group invariance
- Demonstration - Performing pairwise comparisons between parameters in a multi-group analysis

Bootstrapping

- Performing Bootstrapping in Amos
- Using Bootstrapping to Analyze Non-Normal Data

Estimating Direct, Indirect and Total Effects

- Calculating Total and Indirect Effects in Amos
- Calculating Indirect Partial Effects
- Using Simple User Defined Estimands to Calculate Indirect Effects
- Estimating User Defined Operands with VB

Bayesian Estimation

- Performing a Bayesian Estimation in Amos
- Additional Estimates
- Assessing Convergence
- Fit Measures
- Example: Using Bayesian Estimation to Correct for an Inadmissible Solution
- Attempting to Fit the Model by Calculating Estimates

Analyzing Categorical Data

- Specifying the Data File
- Recoding the Variables to Ordered-Categorical
- Demonstration - Performing Confirmatory Factor Analysis with Ordered-Categorical Data in Amos
- Demonstration - Analyzing Data with Binary Outcomes in Amos

Growth Curve Modeling

- Growth Curve Modeling in Amos
- Drawing a Growth Curve Model in Amos
- Demonstration - Measuring Changes in Student Vocabulary Scores Over Time

Program Editor

- Programming in Amos
- Running Programs from the Program Editor

- Modifying Path Diagrams in Program Editor
- Working with Complicated Models

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