

# CONFIRMATORY FACTOR ANALYSIS USING AMOS, LISREL, AND MPLUS

*This document summarizes confirmatory factor analysis and illustrates how to estimate individual models using Amos 7.0, LISREL 8.8, and Mplus 5.1.*

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## 1. INTRODUCTION

### 1.1. FACTOR ANALYSIS AND LATENT VARIABLES

Factor analysis is a common statistical method used to find a small set of unobserved variables (also called latent variables, or factors) which can account for the covariance among a larger set of observed variables (also called manifest variables). For example, scores on multiple tests may be indicators of intelligence (Spearman, 1904), political

# Confirmatory Factor Analysis Using Amos Lisrel Mplus

**Michael Seilmaier**



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