

Structural Equation Modeling with LISREL

A Three-Day Workshop

by Karl Jöreskog and Fan Yang Wallentin

Venue: Norwegian School of Management, BI, Oslo, Norway
Room C2-040 (Harward Room)

Dates: 6–8 May, 2008

Hours: 9.00 – 15.30 (lectures, including coffee and lunch breaks
15.30–18.00 (supervised practical)

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Objective

Structural equation modeling is one of the most widely used technique for analyzing multivariate data in the social and behavioral sciences. This workshop will cover modern statistical methods for factor analysis and structural equation models. The emphasis will be on how to use the methodology of structural equation modeling as a research tool in practical applications. The lectures will cover general topics and discuss and demonstrate several real data examples with LISREL. In the afternoon session, participants will have an opportunity to work on their own problems and data, or on assigned problems under the instructors' supervision.

Schedule and Topics

May 6

Time	Topics
9.00 - 12.00	Overview of SEM, LISREL and the Interface Diagnosis and Treatment of Non-Normality Ways to Deal with Missing Values
13.00 - 15.30	Exploratory Factor Analysis Measurement Models Confirmatory Factor Analysis
15.30 - 18.00	Supervised Practical

May 7

Time	Topics
9.00 - 12.00	Univariate and Multivariate Regression Models Path Analysis with Directly Observed Variables The Full LISREL Model Fitting and Testing Models
13.00 - 15.30	Multiple Group Analysis Multiple Group Analysis with Latent Means
15.30 - 18.00	Supervised Practical

May 8

Time	Topics
9.00 - 12.00	Ordinal Variables in Cross-sectional Data Ordinal Variables in Longitudinal Data
13.00 - 15.30	Latent Variable Scores
15.30 - 18.00	Supervised Practical