

Using Mplus: An advanced workshop

Abstract of the Workshop:

Mplus is a popular statistical programme for the analysis of latent structure, growth, multilevel, and IRT models. This course is designed for users who are familiar with structural equation modeling and Mplus, but want to learn more advanced techniques. Over five days, we will cover a diverse range of topics, from mediation and bootstrapping, latent growth mixture modeling, to Bayesian analyses. On each day, the morning session will consist of lectures. We will have a lab session in the afternoons during which we can put what we have learned into practice.

DAY 1	Multiple group modeling in CFA Mediation and bootstrapping + different types of parameterization in multiple group CFA; Everything you should know about model fit
Day 2	Longitudinal data analysis (cross lagged panel design + latent growth analysis).
Day 3	Mixture modelling in combination with longitudinal data analysis Latent class analysis; latent growth mixture modelling, latent transition analysis.
Day 4	Introduction to Bayes (priors, likelihood and posterior); Differences with ML and how to interpret results
Day 5	Advanced Bayesian analyses: Gibbs sampling; Inspecting convergence; evaluation of informative hypothesis using the Bayes factors.

Date: 18 – 22 February 2013

Venue: National Institute of Education, Nanyang Technological University, Singapore

Cost: S\$1000 per participant

Instructor: Dr. Rens van de Schoot

Rens van de Schoot earned his PhD (cum laude), focusing on Bayesian statistics, at the Department of Methods and Statistics at Utrecht University. Currently, he is an assistant professor at Utrecht University and an extraordinary professor at the North-West University in South-Africa. Rens is also a co-editor for the European Journal of Developmental Psychology and president of the young researchers union of the European Association of Developmental Psychology. Rens has conducted lectures on Mplus related courses in a number of countries and coordinates all the Mplus courses given at Utrecht University, including a three week summer school. He also organizes the international Mplus users meetings.

