

## WORKSHOP

Friday,  
31<sup>th</sup> January  
2020

09:30 - 17:30

Campus Biotech  
Room H8.01 D  
9, chemin des Mines  
Geneva

## Structural Equation Modeling with Lavaan

**Prof. Yves Rosseel**

(Ghent University)

Structural equation modeling (SEM) is a general statistical modeling technique to study the relationships among a set of observed variables. It spans a wide range of multivariate methods including path analysis, mediation analysis, confirmatory factor analysis, growth curve modeling, and many more.

The aim of this workshop is twofold. First, we will present a concise overview of the theory of structural equation modeling (SEM), including many special topics (e.g. handling missing data, nonnormal data, categorical data, longitudinal data, and multilevel data). Second, hands-on sessions are included in order to ensure that all participants are able to perform the analyses using SEM software. The software used in this workshop is the open-source R package 'lavaan' (see <http://lavaan.org> )

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