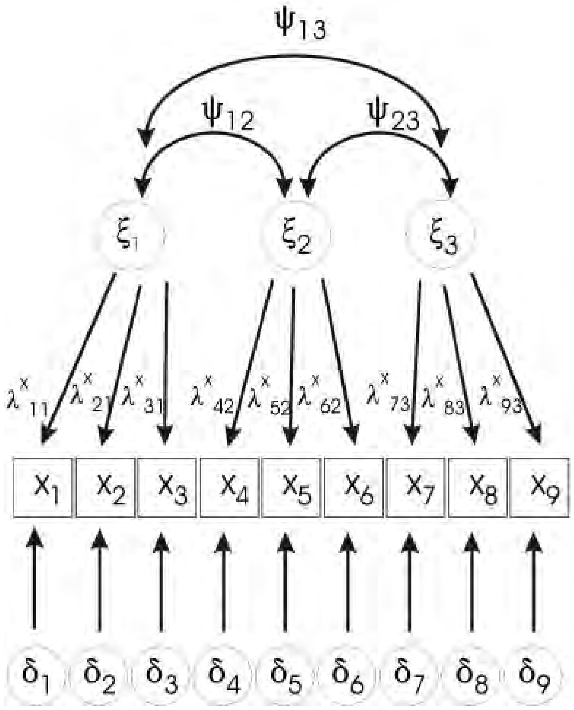

AN INTRODUCTION TO STRUCTURAL EQUATION MODELING WITH THE sem PACKAGE FOR R

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Short URL: **http://tinyurl.com/mac-sem**

Friday, November 22, 2013, 9:00 AM – 6:00 PM

Location: McMaster University, DeGroote School of Business, Room A102

Aims of the Workshop

This basic and brief introduction to SEMs takes up several topics: The form and specification of observed-variable SEMs; instrumental-variables (IV) estimation; determining whether or not an SEM, once specified, can be estimated (the "identification problem"); estimation of observed-variable SEMs by IV, two-stage least-squares, and full-information maximum-likelihood; general structural-equation models with latent variables, measurement errors, and multiple indicators. The **sem** package in R will be used to estimate structural-equation models.

Background

A sound background in single-equation regression models is assumed, as is familiarity with basic statistical ideas, such as the method of maximum likelihood. I also assume a basic knowledge of the R statistical computing environment. Introductory references for R are given on the website for the workshop, along with instructions for installing R and the **sem** package on your computer prior to the workshop.

Cost: McMaster, $30; Non-McMaster academic, $55, non-academic, $100.

For further information: contact John Fox, jfox@mcmaster.ca.

To register: contact Danielle Stayzer, stayzer@mcmaster.ca, 905-525-9140x24484.