Longitudinal Data Analysis using Mplus workshop

May 23, 24, and 25, 2022

9:30 to 3:30 EST

Day 1: Introduction to longitudinal data analysis

- Theories of change
- Similarities and differences between multilevel modeling (MLM) and SEM approaches to repeated measures research
- Demonstration of MLM versus SEM approaches (converting data long to wide and vice versa)
- Introduction latent growth curve modeling (LGCM)

Day 2: Advanced LGCM

- Time scaling, linear and nonlinear models
- Predictors of growth factors
- Multi-group LGCM

Day 3: Advanced models

- Parallel process models
- Spline models
- Alternative ways to scale time