



RI-CLPM: Theoretical considerations and practical applications

Pre-conference workshop for the European Conference of Developmental Psychology (ECDP) 2023 in Turku, Finland.

Organizers

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Abstract

The random intercept cross-lagged panel model (RI-CLPM) is a popular model among psychologists for studying lagged effects in longitudinal panel data. One of its main characteristics is that it separates stable, between-unit variance from fluctuating, within-unit variance such that lagged effects can be interpreted as purely within-unit effects (in contrast to lagged parameters from, for example, the traditional CLPM). This workshop offers theoretical considerations and practical applications of the RI-CLPM. We provide an introduction of the basic components of the model, and consider the model from various perspectives (a time scales perspective, empirical perspective, and a causal perspective). Additionally, we discuss popular extensions of the RI-CLPM, alternative panel models, and various practical matters like power analyses and sensitivity checks.

The second part of the afternoon consists of a masterclass in which we provide plenary consultation. Participants are offered the opportunity to present RI-CLPM-related issues that they have encountered in their own research. After each short presentation, we jointly discuss the problem, and think about potential solutions.

Program

09:00 – 10:00	Basic components of the RI-CLPM, time scales, and test-retest patterns in empirical data
10:15 – 11:00	Usage of the RI-CLPM for different types of research questions (with a specific focus on causality)
11:15 – 12:30	Extensions of the RI-CLPM and alternative panel models
12:30 – 13:30	<i>Lunch break</i>
13:30 – 14:30	Power analyses and sensitivity checks for measurement error
14:45 – 15:45	Masterclass part I
16:00 – 16:45	Masterclass part II