

MAY 19th 2026

13:00 - 14:00

# Prof Emmanuel Kuntsche

## La Trobe University Melbourne

Hosted by Prof. Alessio Vieno,  
Dept. of Developmental Psychology  
and Socialization



## Why Nested Data Matters: From Multi- Group to Multi- Level Analysis

**Lecture Hall - Building #5**

ESU Student House,  
Via Venezia 20

access at the rear of the building

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**UNIVERSITÀ DI PADOVA**  
Dipartimento  
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In psychology and health sciences, researchers frequently encounter nested data structures. This is the case, for example, in ecological momentary assessment (experience sampling) studies when situational assessments are nested within days, nested within weeks, nested within individuals, or in survey research, when students are nested within classrooms, nested within schools or universities, nested within countries.

The seminar aims to provide an overview of typical research questions and to introduce characteristics of nested data and advanced statistical techniques.

Practical examples of how to use a given statistical technique based on examples presented will serve to apply the presented theoretical knowledge in practice.

Specifically, the seminar will cover:

1. Multiple groups as simplest form of clustering/nestedness
2. Introduction into nested data
3. Longitudinal data analysis: A special form of nested data
4. Latent Growth Curve Modeling
5. The Multi-level Model of Change

Although the seminar will deal with advanced statistical techniques, the requirement to follow the seminar are relatively basic, i.e. participants should have some basic knowledge of regression and factor analysis. However, even these techniques will be briefly explained during the seminar.