



Latent class mixed models for analysis of longitudinal data in heterogeneous population – LCMM

June 13th, 2022 (6 hours)

Location : Carreire campus - University of Bordeaux

Training fees :

Individual participation: €150

Institutional participation : €300

Coordinator :

- Cécile PROUST-LIMA (Coordinator)

Objectives

- › Being able to identify the situations where latent class linear mixed models (LCMM) are useful
- › Understand the methodology underlying the latent class linear mixed model
- › Being able to estimate a LCMM in R
- › Being able to interpret and discuss the results from a LCMM

Module Program

- › Brief recap of the linear mixed model theory and longitudinal analysis
- › The latent class linear mixed model: specification, estimation, interpretation using real data examples
- › Practice session in R: how to estimate such models with R package lcmm
- › Discussion of the extensions (to handle different types of data) and of the pros and cons of LCMM

Requirements

Prior knowledge of the linear mixed model theory

At least a basic level in R