



In English



In Person

Latent class mixed modeling (LCMM)

June 15th and June 16th, 2026 (2 days)
9–12 a.m. and 1–4 p.m.

Location : Isped, Carreire campus
University of Bordeaux

Frais de formation :

Inscription individuelle : 240 €

Inscription institutionnelle : 600 €

Coordinator :

- Cécile PROUST-LIMA (responsable), Research Director, Inserm U1219, Biostatistics, Isped, University of Bordeaux
- Viviane PHILIPPS, Statistician, Study Engineer, Bordeaux Population Health center

Objectifs



[Module Video](#)
[Presentation](#)

- › Identifying situations in which latent class mixed models are useful.
- › Understanding the principle of the latent class mixed model.
- › Knowing how to implement a latent class mixed model in R.
- › Being able to interpret the results of a latent class mixed models

Programme

- › Review of the theory of linear mixed models and the concept of heterogeneous populations.
- › Latent class linear mixed models: specification, estimation, and application to real data.
- › Extensions to different types of longitudinal data (e.g., ordinal, multivariate, survival)
- › Practical session with lcmm R package.

Requirements

To be able to follow this course, participants need both:

- › Knowledge of regression models, including basic knowledge of mixed models for longitudinal data.
- › Basic knowledge and experience with the R software.