

Workshop

Follow-up Tutorial: Multilevel Modelling

Organizational details

Instructor: *Hosnieh Mahoozi*
Date: May 13, 2016, from 10:00 to 12:00
Location: Room AUB 4, Bismarckstr. 37, 35390 Giessen
ECTS: –

Objective

This workshop will be a complementary for multilevel modelling workshop and the object of the workshop is to discuss how we can implement multilevel modeling in a clear, step by step way. Therefore the target group will be not only the participant of multilevel modelling workshop, but also the other interested students.

Content

Multilevel models are statistical models for analyzing the relationships between variables measured at the different levels of a data structure. Multilevel models allow us to model dependency in hierarchical data, while standard linear regression models (i.e. fixed-effects analysis) assumes that individuals are independent and do not estimate the variance in the group effects. Multilevel models also allow us to analyze the effect of group-level variables (contextual variables on individual outcomes. Additionally, multilevel models allow us to analyze heterogeneity in the data or how a first-level outcome varies across groups.

In the tutorial for multilevel modeling we will discuss step by step to implement multilevel modeling. This class includes two parts. The first part consists the following syllabus:

- The characteristics of data which make it proper for applying multilevel modeling.
- What makes multilevel modeling superior than fixed effect models? Dependency – Contextual effect – Heterogeneity
- Stata Commands for multilevel model regression
- Presenting the result of a case study

- How we interpret our results

The second part of the class will be a discussion part. Participants can discuss their questions or explain their experiences of applying multilevel models.

Target group

Students, Doctoral and Postdoctoral students at the GGS

Course language

English