

Title: Workshop: Mixed-Effects Models for Repeated Measures Designs - **Introduction**

Instructor: Lesa Hoffman

Abstract:

Mixed-effects models are known by many synonyms, such as multilevel models, hierarchical linear models, and random coefficients models. The purpose of these multi-layered regression models is to quantify and predict the multiple sources of variability that arise when sampling over more than one dimension simultaneously, such as for clustered data (of persons within naturally-occurring groups) or longitudinal data (of occasions within persons and/or clusters). This workshop will introduce and illustrate the use of mixed-effects models for repeated measures experiments in which the same stimuli (e.g., words text passages, visual displays) are administered to (at least some of) the same subjects. R software will be used to illustrate these models using examples from the instructor's previous research.

Assignment: Active participation

Credits: 1.5 workshop days

Title: Mixed-Effects Models for Repeated Measures Designs - **Advanced Topics**

Abstract:

The second part of the workshop will be tailored to specific mixed-effects models and applications that are relevant for the ongoing projects of the workshop participants. These relevant topics will be identified together with the participants during the first part (i.e. "Introduction"), so that the workshop provides intensive training and supervision of project-related knowledge and skills for the individual doctoral researchers.

Assignment: Active participation, work on individual doctoral projects

Credits: 1.5 workshop days