Advanced Multilevel analysis (S05)
12-14 July 2021

Course Director: Dr. Mirjam Moerbeek
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Lecturer: Dr. Mirjam Moerbeek

Please note that the schedule is in Central European Summer Time.

Saturday and Sunday 10 & 11 July 2021		
Time	**Activity**	**Description**
12.00-18.00	Key pickup	*You will find the exact key pick up location in the pre-departure information, which becomes available after you have paid the course fee.*

Day	Time	Type	Description	Location
Monday	*09:30-12:30*	Lecture	***Categorical outcome data*** *- Logistic regression* *- Binary outcome data* *- Ordinal outcome data* *- Discrete-time survival data*	
	13:30-16:30	Computer lab	*Analyses in Mplus and HLM*	
Tuesday	*09:30-12:30*	Lecture	***Multilevel factor analysis and multilevel structural equation modelling*** *- Factor analysis with subjects nested within clusters* *- Multilevel path models* *- Introduction to Mplus*	
	13:30-16:30	Computer lab	*Analyses in Mplus*	
Wednesday	*09:30-12:30*	Lecture	***Random cross-classifications and statistical power analysis*** *- Random cross classifications in hierarchical data structures* *- Statistical power analysis and sample size calculation, including software and simulation studies*	
	13:30-16:30	Computer lab	*Analyses in Mplus and HLM*	

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