



Advanced Multilevel analysis (S05)

15 – 17 July 2024

Course Director: Dr. Mirjam Moerbeek

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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	Bestuursgebouw (Administration Building) Room Van Lier Eggink		
	12:30 – 13:30	Lunch	In Educatorium			
	13:30-16:30	Computer lab	Data analyses in R			
Tuesday	09:30-12:30	Lecture	Multilevel factor analysis and multilevel structural equation modelling - Factor analysis with subjects nested within clusters - Multilevel path models -		Bestuursgebouw (Administration Building) Room Van Lier Eggink	
	12:30 – 13:30	Lunch	In Educatorium			
	13:30-16:30	Computer lab	Data analyses in R			
Wednesday	09:30-12:30	Lecture	Random cross-classifications and statistical power analysis - Random cross classifications in hierarchical data structures - Multivariate outcome data - Statistical power analysis and sample size calculation, including software and simulation studies			Bestuursgebouw (Administration Building) Room Van Lier Eggink
	12:30 – 13:30	Lunch	In Educatorium			
	13:30-16:30	Computer lab	Data analyses in R. Power calculations in R			