



Advanced Multilevel analysis (S05)

13 – 15 July 2026

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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	Utrecht Science Park Exact location to be announced
	12:30 – 13:30	Lunch		
	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 -	
	12:30 – 13:30	Lunch		
	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	
	12:30 – 13:30	Lunch		
	13:30-16:30	Computer lab	Data analyses in R. Power calculations in R	