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*	Minnaert Room 0.13
	12:30 – 13:30	Lunch		**Educatorium**
	13:30-16:30	Computer lab	*Data analyses in R*	Minnaert Room 0.13
Tuesday	*09:30-12:30*	Lecture	***Multilevel factor analysis and multilevel structural equation modelling*** *- Factor analysis with subjects nested within clusters* *- Multilevel path models*	Minnaert Room 0.13
	12:30 – 13:30	Lunch		**Educatorium**
	13:30-16:30	Computer lab	*Data analyses in R*	Minnaert Room 0.13
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*	Minnaert Room 0.11
	12:30 – 13:30	Lunch		**Educatorium**
	13:30-16:30	Computer lab	*Data analyses in R. Power calculations in R*	Minnaert Room 0.11