



### Introduction to Multilevel Analysis (S14)

16-18 July 2025

Course Director: Dr. Mirjam Moerbeek

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Lecturer: Dr. Mirjam Moerbeek

Day	Time	Type	Description	Location
Wednesday	09:30 - 12:30	Lecture	Introduction - When and why multilevel analysis - Course goals - Overview of course  - The basic two-level regression model - An example with two levels of nesting	Utrecht Science Park, exact location to be announced
	12:30 - 13:30	Lunch	In <a href="#">Educatorium</a>	
	13:30 - 16:30	Computer Lab	Data analyses in R	

Thursday	09:30 - 12:30	Lecture	Statistical and methodological issues - Analysis strategy - Intraclass correlation coefficient - Explained variance - Standardized coefficients - Assumptions  - Categorical variables - Three level model - Centering of variables	
	12:30 - 13:30	Lunch	In <a href="#">Educatorium</a>	
	13:30 - 16:30	Computer lab	Data analyses in R	



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Day	Time	Type	Description	Location
Friday	09:30 - 12:30	Lecture	Longitudinal data - ML-longitudinal approach - Fixed measurement occasions - Varying measurement occasions	
	12:30 - 13:30	Lunch	In <a href="#">Educatorium</a>	
	13:30 - 16:30	Computer lab	Data analyses in R	