

summer school UTRECHT

Modeling the dynamics of intensive longitudinal data (Course code S36)

16 - 19 August 2021

Course Director: Prof dr. Ellen Hamaker

Lecturers: Ellen Hamaker, Noémi Schuurman, Laura Bringmann, Oisín Ryan, and Rebecca Kuiper

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

Saturday and Sunday (14 & 15 August)		
Time	Activity	Description
12.00-18.00	Key pick up	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	Lecturer	Location
Monday	09:00 -10:15	Lecture 1	Introduction to dynamic modelling	Ellen Hamaker	
	10:15-10:30	Break			
	10:30-11:45	Lecture 2	Stationary models for N=1: the univariate ARMA model	Ellen Hamaker	
	11:45-13:00	Lunch			
	13:00-14:00	Lecture 3	Stationary models for N=1: the multivariate VAR model	Ellen Hamaker	
	14:00-14:30	Break			
	14:30-16:30	Lab	Apply what you have learned in R or Mplus		
Tuesday	09:00 -10:15	Lecture 1	Introduction to multilevel modelling: N=1 versus N=many	Noémi Schuurman	
	10:15-10:30	Break			
	10:30-11:45	Lecture 2	Multilevel VAR models	Noémi Schuurman	
	11:45-13:00	Lunch			
	13:00-14:00	Lecture 3	Multilevel models with level 2 predictors	Noémi Schuurman	
	14:00-14:30	Break			

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	14:30-16:30	Lab	Apply what you have learned in R or Mplus		
Wednesday	09:00 -10:15	Lecture 1	Measurement error in multilevel models	Noémi Schuurman	
	10:15-10:30	Break			
	10:30-11:45	Lecture 2	Dynamic network models	Laura Bringmann	
	11:45-13:00	Lunch			
	13:00-14:00	Lecture 3	Advanced issues for dynamic modeling	Noémi Schuurman & Laura Bringmann	
	14:00-14:30	Break			
	14:30-16:30	Lab	Apply what you have learned in R or Mplus		
Thursday	09:00 -10:15	Lecture 1	Nonstationary models: gradual versus sudden change	Laura Bringmann	
	10:15-10:30	Break			
	10:30-11:45	Lecture 2	Continuous time modeling (part 1)	Oisín Ryan & Rebecca Kuiper	
	11:45-13:00	Lunch			
	13:00-14:00	Lecture 3	Continuous time modeling (part 2)	Oisín Ryan & Rebecca Kuiper	
	14:00-14:30	Break			
	14:30-16:30	Lab	Apply what you have learned in R or Mplus		

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