



**Modeling the dynamics of intensive longitudinal data**

**(Course code S36)**

**15 - 18 August 2022**

Course Director: *Prof dr. Ellen Hamaker*

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

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Saturday and Sunday (13 & 14 August)		
Time	Activity	Description
12.00-18.00	Key pick up (for participants who have booked housing)	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	<a href="#">Ruppert building,</a> room PAARS
	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	In <a href="#">Educatorium</a>		
	13:00-14:00	Lecture 3	Stationary models for N=1: the multivariate VAR model	Ellen Hamaker	<a href="#">Ruppert building,</a> room 002
	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	<a href="#">Ruppert building,</a> room PAARS
	10:15-10:30	Break			
	10:30-11:45	Lecture 2	Multilevel VAR models	Noémi Schuurman	
	11:45-13:00	Lunch	In <a href="#">Educatorium</a>		
	13:00-14:00	Lecture 3	Multilevel models with level 2 predictors	Noémi Schuurman	<a href="#">Ruppert building,</a> room 002
	14:00-14:30	Break			
	14:30-16:30	Lab	Apply what you have learned in R or Mplus		

**For information about the Social Programme, please visit the [Utrecht Summer School website!](#)**



Day	Time	Type	Description	Lecturer	Location
Wednesday	09:00 -10:15	Lecture 1	Measurement error in multilevel models	Noémi Schuurman	<a href="#">Ruppert building,</a> room PAARS
	10:15-10:30	Break			
	10:30-11:45	Lecture 2	Dynamic network models	Laura Bringmann	
	11:45-13:00	Lunch	In <a href="#">Educatorium</a>		
	13:00-14:00	Lecture 3	Advanced issues for dynamic modeling	Noémi Schuurman & Laura Bringmann	<a href="#">Ruppert building,</a> room 002
	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	<a href="#">Ruppert building,</a> room PAARS
	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	In <a href="#">Educatorium</a>		
	13:00-14:00	Lecture 3	Continuous time modeling (part 2)	Oisín Ryan & Rebecca Kuiper	
	14:00-14:30	Break			<a href="#">Ruppert building,</a> room 002
	14:30-16:30	Lab	Apply what you have learned in R or Mplus		

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