

A gentle introduction to Bayesian Statistics (Course code S18)

26.8.2019-30.8.2019 (week 35)

Course Director: *Prof.Dr. Rens van de Schoot*

Lecturers: *Rens vd Schoot, Katharina Meitinger, Kimberley Lek*

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*DDW = David de Wied building at De Uithof

Saturday and Sunday (24 & 25 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	Location
Monday	09:00 -12:45	Lecture	Conceptual introduction + reasons for using Bayesian methods + discussion on interpretability of results when using p-values/95%intervals + empirical example of a linear regression analysis in the Bayesian framework	Buys Ballot Building Room 023
	12:45 -13.15	Lunch	(included)	Educatorium
	13:15 -15.00	Computer lab	Computer lab fitting your first Bayesian model	Ruppert building room 038
Tuesday	09:00 -12:45	Lecture	Q&A + WAMBS-checklist (when to worry and how to avoid the misuse of Bayesian Statistics)	Buys Ballot Building Room 023
	12:45 -13.15	Lunch	(included)	Educatorium
	13:15 -17.00	Computer lab	Computer lab on applying the WAMBS checklist	Ruppert building room 038
Wednesday	09:00 -12:45	Lecture	Q&A + Bayesian CFA, testing for Measurement Invariance and approximate MI.	Buys Ballot Building Room 023
	12:45 -13.15	Lunch	(included)	Educatorium
	13:15 -16:30	Computer lab	Computer lab	Ruppert building room 038

For information about the Social Programme, please have a look at the last page of this document or visit the [Utrecht Summer School website!](#)

Thursday	09:00 -17.00	<i>Lecture</i>	How to apply Bayes to your own data; example Bayesian Latent Growth Mixture Model; tips for the afternoon	Buys Ballot Building Room 023
	12:45 -13.15	<i>Lunch</i>	<i>(included)</i>	Educatorium
	13:15 -16:30	<i>Computer lab</i>	Consultation; Applying new methods to participants' data or to example data sets provided by instructors	Ruppert building room 038
Friday	09:00 -12.45	<i>Lecture</i>	Showcase of developments in Bayesian analysis: <ul style="list-style-type: none"> - Bayes for Small samples; - Experts as source of priors; - Updating expert opinions for 1 individual; - Updating Bayes Factors within a dataset; - Replication studies with Bayes Factors; 	Buys Ballot Building Room 023
	12:45 – 13:15	Lunch	<i>(included)</i>	Educatorium
	13:15 -16:30	<i>Computer lab</i>	Consultation; Applying new methods to participants' data or to example data sets provided by instructors	Ruppert building room 038