Schedule SMLP 2018

A. **Griebnitzsee campus, Haus 6, Room S18** Bayesian Stream (Mon-Thu: Michael Betancourt; Friday: Bruno Nicenboim and Shravan Vasishth)

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:30	1.1 Probability theory	2.1: Bayesian inference	3.1: Regression models	4.1: Hierarchical models	5.1: Multinomial processing trees (Latent variable models)
10:30 -11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00 - 12:30	1.2 Probability theory	2.2: Bayesian inference	3.2: Regression models	4.2: Hierarchical models	5.2: Multinomial processing trees (Latent variable models)
12:30 -14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 15:30	1.3 Probability theory	2.3: Bayesian inference	3.3: Regression models	4.3: Hierarchical models	Invited Talk 1 Sebastian Reich: An introduction to Hamiltonian Monte Carlo (**Hoersaal H01**)
15:30 - 16:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:00 -17:00	1.4 Probability theory	2.4: Bayesian inference	3.4: Regression models	4.4: Hierarchical models	Invited Talk 2 Joachim Vandekerckhove: Cognitive Latent Variable Models (**Hoersaal 01**)
17:00-17:30					Closing remarks and Feedback
17:30-20:00		Social event		Social event	

B. **Griebnitzsee campus, Haus 6, Room S17** Frequentist Stream (Audrey Bürki, Reinhold Kliegl, Daniel Schad)

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:30	Introduction (9:00-9:15) 1.1. Bürki: Linear model (LM)	2.1. Bürki: Linear mixed models (LMMs)	3.1. Kliegl/Schad: LMMs fixed effects (1)	4.1. Kliegl/Schad: LMMs variance components shrinkage(2)	5.1. Bürki: LMMs power
10:30 -11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00 - 12:30	1.2. Schad/Kliegl: Contrasts - concepts	2.2. Schad/Kliegl: Contrasts – generalized inverse	3.2. Kliegl/Schad: LMMs fixed effects (2)	4.2. Kliegl/Schad: LMMs selection (1)	5.2 Spillover slot, advanced topics, recap
12:30 -14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 15:30	1.3. Bürki: Power	2.3. Schad/Kliegl: Contrasts - covariates	3.3. Kliegl/Schad: LMMs variance components and shrinkage (1)	4.3. Kliegl/Schad: LMMs selection (2)	Invited Talk 1 (see above)
15:30 - 16:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:00 -17:00	Exercises/questions	Exercises/questions	Exercises/questions	Exercises/questions	Invited Talk 2 (see above)
17:00- 17:30					Closing remarks and feedback
17:30- 20:00		Social event		Social event	