

All talks/tutorials will take place in the Thom Building, Department of Engineering Science, University of Oxford, Parks Road, Oxford OX1 3PJ (except the welcome dinner)					
Day	Time	Agenda	Speaker/Instructor	Title	Room
<b>Monday, 9th Sep</b>	12:00-13:00	Registration			-
	13:00-16:00	Tutorial	Richard McElreath	Introduction to Stan	LR1
	13:00-16:00	Tutorial	Aki Vehtari, Noa Kallioinen and Teemu Säilynoja	Model selection	LR2
<b>Tuesday, 10th Sep</b>	08:30-09:00	Registration			Lobby
	09:00-09:20	-	StanCon Organisaers	Opening Remarks	LR1
	09:20-10:20	Keynote	Sebastian Weber	Applied modeling for drug development	LR1
	10:20-10:40	Talk	Xingyao (Doria) Xiao	Bayesian Identification, Estimation, and Diagnostic Techniques for Growth Mixture Models using Stan	LR1
	10:40-11:00	Talk	Marco Antonio Gallegos Herrada	Exploring a Bayesian inference approach for the analysis of blue whale movement data	LR1
	11:00-11:20	Break (incl. Coffee & Pastries)			LR3
	11:20-11:40	Talk	Bob Carpenter	What's your favorite sushi? Combining ranking and rating models in Stan	LR1
	11:40-12:00	Talk	Judith Bouman	Bayesian workflow for time-varying transmission in stratified compartmental infectious disease transmission models	LR1
	12:00-12:20	Talk	Zhi Ling	New fast heavy-tail count models in Stan	LR1
	12:20-13:40	Break (incl. Lunch)			LR3
	13:40-14:00	Talk	Conor Goold	Joint estimation of body and tail loss development factors in insurance: a case study using hidden Markov models in Stan	LR1
	14:00-14:20	Talk	Simon Maskell	Running Multiple Short MCMC Chains on a GPU Using JAX for Fast Inference with Stan	LR1
	14:20-14:40	Talk	Jouni Helske	dynamite: An R Package for Dynamic Multivariate Panel Models	LR1
	14:40-15:00	Talk	Brian Ward	Stan without installing Stan? How (and why) to sample inside your browser	LR1
	15:00-15:30	Free Time			-
	15:30-15:50	Talk	Aki Vehtari	Pareto-k diagnostic and sample size needed for CLT to hold	LR1
	15:50-16:10	Talk	Jesse Piburn	Priors, Posteriors, and Office Politics: Implementing Bayesian Workflow in a Large Organization	LR1
	16:10-17:10	Live Panel	Alex Andorra	Panel discussion oriented towards Stan and its development in general, with Charles Margossian, Steve Bronder and Brian Ward.	LR1
	17:10-18:45	Free Time			-
	18:45-22:00	Welcome Drinks Reception (18:45 to 19:30) + Dinner (starts promptly at 19:30)			
<b>Wednesday, 11th Sep</b>	08:30-09:00	Registration			Lobby
	09:00-10:00	Keynote	Vianey Leos Barajas	From the Depths to the Stars: How Modeling Shark Movements Illuminates Star Behavior	LR1
	10:00-10:20	Talk	Ethan Budge	Sharing the Spotlight: How Artist Collaboration affects Song Popularity	LR1
	10:20-10:40	Talk	Jari Turkia	Inferring Personalized Diet Recommendations Using a Conditional Mixture of Health Outcomes and Personal Preferences	LR1
	10:40-11:20	Break (incl. Coffee & Pastries)			LR3
	11:20-11:40	Talk	Brynjólfur Gauti Guðrúnar Jónsson	Copulas in Stan: Modeling Spatial Dependence in Generalized Extreme Value Distributions	LR1
	11:40-12:00	Talk	Matti Vuore	Understanding psychological heterogeneity with Bayesian hierarchical models using the brms R package	LR1
	12:00-12:20	Talk	Jacqueline Buros	A Semi-Mechanistic Longitudinal Gaussian Process Regression Model for Estimating Tumor Response to Treatment	LR1
	12:20-13:40	Break (incl. Lunch)			LR3
	13:40-14:00	Talk	Yann McLatchie	Predictive performance of power posteriors	LR1
	14:00-14:20	Talk	Jonas Mikhaeil	Hierarchical Bayesian Models to Mitigate Systematic Disparities in Prediction with Proxy Outcomes	LR1
	14:20-14:40	Talk	Anna Riha	Supporting Bayesian modelling workflows with iterative filtering for multiverse analysis	LR1
	14:40-15:10	Free Time			-
	15:10-15:30	Talk	David Kohns	The ARR2 prior: flexible predictive prior definition for Bayesian auto-regressions	LR1
	15:30-15:50	Talk	Sophie Van Den Neucker	A Bayesian approach to combined chemical exposure assessment for more informed public health decisions	LR1
	15:50-16:10	Talk	Charlotte Wilhelm-Benartzi	The use of Bayesian Hierarchical Modelling using simulated data	LR1
	16:10-17:10	Live Panel	Alex Andorra	Panel discussion oriented towards computational biology and epidemiology, with Elizaveta Semenova and Chris Wymant	LR1
	08:30-09:00	Registration			-
	09:00-10:00	Keynote	Mitzi Morris	The Pragmatic Probabilistic Programmer	LR1
	10:00-10:20	Talk	Sean Pinkney	Structured Correlation Matrices	LR1
	10:20-10:40	Talk	Adam Gorm Hoffmann	Efficient Hierarchical Gaussian Process Regression	LR1
	10:40-11:20	Break (incl. Coffee & Pastries)			-

<b>Thursday, 12th Sep</b>	11:20-11:40	Talk	Angie Moon	Integrating Bayesian Inference and System Dynamics with Case Studies in Epidemiology	LR1
	11:40-12:00	Talk	Laura Jenniches	Advancing functional genomics analysis with Stan: Case studies in RNA decay and pathogen invasion models	LR1
	12:00-12:20	Talk	Adrian Seybolt	Nutpie: Fast and Efficient Bayesian Inference with Rust and Python	LR1
	12:20-13:40	Break (incl. Lunch)			LR3
	13:40-14:00	Talk	Enzo Cerullo	Efficiently estimating latent class (and standard) multivariate probit models	LR1
	14:00-14:20	Talk	Paul Buerkner	Generative Bayesian Modeling with Implicit Priors	LR1
	14:20-14:40	Talk	Ziyuan Zhang	Collaborative Translation and Continuous Updates: Advancing the Stan Chinese Documentation	LR1
	14:40-15:10	Free Time			-
	15:10-15:30	Talk	Gabriel Riutort-Mayol	Bayesian Gaussian processes with correlated group effects	LR1
	15:30-16:30	Keynote	Chris Wymant	Bayesian multilevel causal modelling of the frequency and implications of having two HIV infections	LR1
<b>Friday, 13th Sep</b>	08:30-09:00	Registration			Lobby
	09:00-12:00	Tutorial	Sean Pinkney	Bayesian hierarchical models in Stan	LR1
	09:00-11:00	Tutorial	Anna Riha and Elizaveta Semenova	Bayesian optimisation with Stan	LR2
	12:00-13:30	Free Time			-
	13:30-16:30	Tutorial	Will Pearse	Biodiversity modelling and forecasting	LR1
	13:30-15:30	Tutorial	Juliette Unwin	Infectious Disease Modelling using Stan	LR2