

## StatComp 2022 - Conference Program

Sunday, 24.07		Monday, 25.07	Tuesday, 26.07	Wednesday, 27.07
	08:50 - 09:00	Opening		
	09:00 - 09:30	Vanessa Didelez (Bremen): Introduction to Causal Discovery	Quentin Edward Seifert (Göttingen): Penalized Regression Splines in Mixture Density Networks	Ricarda Graf (Augsburg): Comparing linear discriminant analysis and supervised learning algorithms in binary classification - a method comparison study
	09:30 - 10:00		Markus Schepers (Mainz): Modeling the interplay between risk perception, behavior and infection dynamics	Maren Hackenberg (Freiburg): Differentiable programming for flexible gradient-based optimisation of statistical models: An exemplary modelling challenge
	10:00 - 10:30		Alfred Ultsch & Jörn Lötsch (Marburg / Frankfurt): All giants are female: circumventing pitfalls of Bayesian statistics in empirical data.	Hannah Klinkhammer (Bonn): Boosting polygenic risk scores
	10:30 - 11:00	Coffee Break	Coffee Break	Coffee Break
	11:00 - 11:30	Vanessa Didelez (Bremen): Introduction to Causal Discovery	Marvin M. Wright (Bremen): Random Forests: Myths and Facts	Nikolai Spuck (Bonn): Flexible Tree- Structured Regression Models for Discrete Event Times
	11:30 - 12:00			Stephan Haug (München): Mathematical Research Data Initiative (MaRDI)
	12:00 - 13:30	Lunch	Lunch	Lunch
	13:30 - 14:00	Axel Füstberger (Ulm): Interactive alteration annotations for molecular tumour boards	Roman Hornung (München): Sequential Permutation Testing of Random Forest Variable Importance Measures	Departure
	14:00 - 14:30	Alexander Freudenberg (Mannheim): miraculix: Accelerated Algebraic Functions for Genomic Analysis	Annika Strömer (Bonn): Boosting Bivariate Structured Additive Distributional Regression Models	
	14:30 - 15:00	Marcus Vollmer (Greifswald): A modification of the Smith-Waterman algorithm to align sequences of numeric data	Alexandra Daub (Göttingen): Modeling the prenatal care of women in West Africa by a GAMLSS using a gradient boosting algorithm with an adaptive step-length	
	15:00 - 15:30	Coffee Break	Coffee Break	
	15:30 - 16:00	Julian Schwab (Ulm): A co-evolutionary approach to adapt populations of Boolean networks to biological phenotypes	Charlotte Behning (Bonn): How can we analyze survival outcomes with competing events in Deep Neural Networks? An imputation based approach using subdistribution weights	
	16:00 - 16:30	Elisabeth Bergherr (Göttingen): Gradient boosting for linear mixed effects logit models	Alina Schenk (Bonn): A pseudo-value approach for building survival regression models with time-dependent covariate effects	
	16:30 - 17:00	Break	Break	
	17:00 - 17:30	Sandra Bilger (Ulm): Analog computation for efficient analysis of parameter sensitivity of biochemical models and biologically inspired dynamical systems	Johann M. Kraus (Ulm): Evaluating the robustness of dendrograms in hierarchical clustering	
	17:30 - 18:00	Felix Weidner (Ulm): Leveraging quantum computing for network analysis in systems biology	Nosheen Faiz (Pakistan): Optimal Random Projection Trees Ensemble for Class Membership Probability Estimation	
	18:00 - 18:30	Sebastian Krey (Göttingen): Optimizing a supercomputer for best energy efficiency with statistical methods	Julia Dyck (Bielefeld): Parameter uncertainty estimation for exponential semi-variogram models	
Dinner	18:30 - 20:00	Dinner	Dinner	
Rolf Backofen (Freiburg): Machine Learning in the Context of CRISPR Research	20:00 - 20:30		Working group meeting  Statistical Computing 2023	
	20:30 - 21:00			