Statistical Computing 2018

50th Workshop - Program Overview
2018-07-08 - 2018-07-11, Schloss Reisensburg (Günzburg)

2018-07-08		2018-07-09	2018-07-10	2018-07-11
	09:20 09:40	**Marius Greiff (Dortmund)** Optimization of stochastic functions by optimizing expectation and variance	**Roman Hornung (München)** Random forests for multi-omics data	**Sebastian Krey (Köln)** Tensile Stress Monitoring of Fibre-Reinforced Plastic
	09:40 10:00	**Moritz Berger (Bonn)** Tree-Structured Modeling of Time-Varying Coefficients for Discrete Time-to-Event Data	**Jörn Lötsch (Frankfurt am Main)** A machine-learning based approach to the association of next-generation sequencing derived genotypes with (pain-related) phenotypes	**Tobias Hepp (Bonn)** Dynamic reference intervals from contaminated data sources
	10:00 10:20	**Hryhorii Chereda (Göttingen)** Graph-based Convolutional Neural Networks for analyzing pathways in cancer	**Lisa Schäfer (Ulm)** Repetitive structures pass screening for ordinal relationships	**Jakob Richter (Dortmund)** Selection of Optimal Subgroup Weights for Survival Analysis
	10:20 10:50	Coffee break	Coffee break	Coffee break
	10:50 11:10	**Statistical Computing in Germany : The early years of "Arbeitstagungen der Arbeitsgruppen" and the flair and impact of Reisensburg**	**Rolf Backofen (Freiburg)** Computational Genomics: Informatics Problems and Applications in Life Sciences	**Thomas Welchowski (Bonn)** Correlation-Adjusted Regression Survival Scores for High-Dimensional Variable Selection
	11:10 11:30			**Dominic Edelmann (Heidelberg)** The distance correlation coefficient for right-censored survival data
	11:30 11:50			
	12:00 13:30	Lunch	Lunch	Lunch
	13:40 14:20	**Jennifer Pohle (Bielefeld)** State architectures in hidden Markov models	**Maike Hohberg (Göttingen)** Mixed ordered-continuous copula GAMLSS with an application to poverty dimensions	**Departure**
	14:20 14:40	**Colin Griesbach (Erlangen)** New insights in how to boost joint models for longitudinal and time-to-event outcomes	**Daniel Schalk (München)** `compboost`: A Modular Framework for Component-Wise Boosting in R	
	14:40 15:00	**Anja Rappl (Erlangen)** More than one way: Exploring the capabilities of different estimation approaches to joint models.	**Gunter Ritter (Passau)** Favorite solutions for normal mixture models	
	15:00 15:30	Coffee break	Coffee break	
	15:30 15:50	**Andrea Bommert (Dortmund)** Benchmark for Filter Methods for Feature Selection in High-dimensional Data	**Malte Jastrow (Dortmund)** Multimodal likelihood functions occurring in mixture modeling	
	15:50 16:10	**Robin Szekely (Ulm)** Utilizing foreign classes for feature selection	**Marcus Vollmer (Greifswald)** Randomized Stepwise Regression – a Modification of Stepwise Methods in Generalized Linear Models and its Application on Sepsis Data	
	16:10 16:30	**Giuseppe Casalicchio (München)** Visualizing the Feature Importance for Black Box Models	**Regina Stegherr (Ulm)** Analysing unmeasured baseline covariates in studies with delayed entry using a joint model: fitting the model in presence of left-truncation	
	16:30 16:50	Break	Break	
	16:50 17:50	**Phil Bowsher (Indianapolis)** An Introduction to Shiny and R Markdown With Applications in Research and Drug Development	**Working group meeting** on Statistical Computing 2019	
Dinner	18:00 20:00	Dinner	Dinner	
Jan Beyersmann (Ulm) Sampling and Re-Sampling Complex Time-to-Event data: Beyond Standard Cohort and Standard Bootstrap	20:00 21:00	**Phil Bowsher (Indianapolis)** Hands on Tutorial		