

# Statistical Computing 2019

51<sup>th</sup> Workshop - Program Overview

2019-06-30 - 2019-07-03, Schloss Reisenburg (Günzburg)

2019-06-30		2019-07-01	2019-07-02	2019-07-03
	08:50	<b>Hans Kestler (Ulm)</b> Opening		
	09:00 09:20	<b>Alfred Ultsch (Marburg)</b> ESOM Sampling as a Tool for Detection of Needles in the Haystack of Big Data in Medical Diagnostic Technologies	<b>Florian Pfisterer (München)</b> Towards Human-Centered AutoML	<b>Tobias Hepp (Bonn)</b> Adaptive step-lengths in model-based gradient boosting algorithms for distributional regression
	09:20 09:40	<b>Marcus Vollmer (Greifswald)</b> A Convolutional Neural Network for ECG Annotation as the Basis for the Classification of Cardiac Rhythms	<b>Christian Staerk (Bonn)</b> Boosting with random selection of weak learners for variable selection in high-dimensional models	<b>Sina Mews (Bielefeld)</b> A continuous-time capture-recapture model for the annual movement of bottlenose dolphins
	09:40 10:00	<b>Shekoufeh Gorgi Zadeh (Bonn)</b> Uncertainty-Guided Semi-Automated Editing of CNN-based Retinal Layer Segmentations in Optical Coherence Tomography	<b>Steffen Moritz (Köln)</b> imputeTS: Tidy Univariate Time Series Imputation	<b>Ralph Brinks (Bielefeld)</b> Simulation of trajectories in the illness-death model for chronic diseases: discrete event simulation and Doob-Gillespie algorithm
	10:00 10:20	<b>Dila Ram Bhandari (Kathmandu)</b> Big data: Challenges, Tools and Techniques in SAARC Region	<b>Colin Griesbach (Erlangen)</b> Joint Modelling approaches to survival analysis via likelihood-based boosting techniques	<b>Thomas Welchowski (Bonn)</b> A Classification Tree Approach for the Modeling of Competing Risks in Discrete Time
	10:20 10:50	Coffee break	Coffee break	Coffee break
	10:50 11:10	<b>Annika Hoyer (Düsseldorf)</b> A bivariate time-to-event model for the meta-analysis of full ROC curves	<b>Christiane Fuchs (Bielefeld)</b>  Tackling leukemia through computational statistics	<b>Lea Siegle (Ulm)</b> Semantic feature selection for multi-class classifier systems
	11:10 11:30			<b>Carlo Maj (Bonn)</b> Modeling strategies to dissect the variable genetic architecture in the computation of polygenic risk score
	11:30 11:50			<b>Jan Feifel (Ulm)</b> Enough is as good as a feast: Comparing different subsampling designs for time-to-event data
	12:00 13:30	Lunch	Lunch	Lunch
	13:40 14:20	<b>Nadja Klein (Berlin)</b> A Novel Spike-and-Slab Prior for Effect Selection in Distributional Regression Models	<b>Nikolaus Umlauf (Innsbruck)</b> bamls: A Lego toolbox for flexible regression models	Departure
	14:20 14:40	<b>Jörn Lötsch (Frankfurt am Main)</b> Machine learning supported hypothesis and pattern finding in pain related phenotype data	<b>Xudong Sun (München)</b> Automatic Machine Learning and (Deep) Reinforcement Learning with rR package	
	14:40 15:00	<b>Patrick Thiam (Ulm)</b> Pain Intensity Recognition via Deep Physiological Models	Poster teaser +  session & Coffee break	
	15:00 15:30	Coffee break		
	15:30 15:50	<b>Sebastian Krey (Köln)</b> Graphical User Interfaces for Surrogate Model-Based Optimization in Practice and Teaching	<b>Jörn Lötsch (Frankfurt am Main)</b> <b>Alfred Ultsch (Marburg)</b> Generative artificial intelligence based algorithm to increase the predictivity of preclinical studies while keeping sample sizes small	
	15:50 16:10	<b>Robin Szekely (Ulm)</b> Correlation-based feature selection utilizing foreign classes	<b>Hryhorii Chereda (Göttingen)</b> Utilizing molecular network information via Graph Convolutional Neural Networks to predict metastatic event in breast cancer	
	16:10 16:30	<b>Roman Hornung (München)</b> Improved outcome prediction across data sources through robust parameter tuning	<b>Lisa Schäfer (Ulm)</b> Extracting ordinal class sequences from high-dimensional datasets	
	16:30 16:50	Break	Break	
	16:50 17:50	Working group meeting on Statistical Computing 2020	<b>Erin LeDell (California)</b> Scalable Automatic Machine Learning with H2O	
Dinner	18:00 20:00	Dinner	Dinner	
<b>Joachim Buhmann (Zürich)</b> Can I believe what I see? - Information theoretic algorithm validation	20:00 21:00		Hands on Tutorial on H2O	