

Statistical Computing 2017

49th Workshop - Program Overview
2017-07-23 - 2017-07-25, Schloss Reisenburg (Günzburg)

2017-07-23		2017-07-24	2017-07-25
	09:00 09:20	Barbara Hammer (Bielefeld) Transfer Learning and Learning with Concept Drift	Heidi Seibold (Zürich) Model-Based Recursive Partitioning for Stratified and Personalised Treatment Effect Estimation
	09:20 09:40		Katharina Hees (Heidelberg) Incorporation of historical data in clinical trials using robust prior
	09:40 10:00		
	10:00 10:20	Sarah Schnackenberg (Dortmund) Online Linear Discriminant Analysis for Data Streams with Concept Drift	Jörn Lötsch (Frankfurt) Supervised and unsupervised machine-learning methods for pain research
	10:20 10:40	Break	Break
	10:40 11:00	Sebastian Meyer (Erlangen) Social contact data in endemic-epidemic models and probabilistic forecasting with surveillance	Robin Szekely (Ulm) How feature selection in multi-class classifier systems affects the prediction of diagnostic phenotypes
	11:00 11:20	Dja-Shin Wang (Taiwan) Monitoring optimization parameter to minimize energy consumption for carbon emission reduction	Andrea Bommert (Dortmund) A multi-criteria approach to find predictive and sparse models with stable feature selection for highdimensional data
	11:20 11:40	Sebastian Krey (Köln) Structural Health Monitoring for Resource-efficient Usage of Fibre-Reinforced Plastic	Britta Veiten (Heidelberg) Adaptive penalization for high-dimensional regression and classification with non-exchangeable features
	11:40 12:00	Benjamin Mayer (Ulm) Sample size estimation for pilot experiments in animal research using a Markov Chain Monte Carlo approach	Tobias Hepp (Erlangen) Variable selection for model-based gradient boosting using random probes
	12:00 13:20	Lunch	Lunch
	13:20 13:40	Sarah Brockhaus and David Rügamer (München) Boosting Functional Regression Models	Christian Staerk (Aachen) High-Dimensional Variable Selection via Low-Dimensional Adaptive Learning
	13:40 14:00		Corinna Ernst (Köln) Using generalized additive models for CNV detection on multi gene panels
	14:00 14:20		Pascal Schlosser (Freiburg) High-dimensional genome-wide association studies (GWAS): A field for data restructuring?
	14:20 14:40		Posterfeaser
	14:40 15:00		Break + Postersession
	15:00 15:20	Break	
	15:20 15:40	Moritz Berger (Bonn) Tree-Based Modelling of Varying Coefficient Terms	Lyn-Rouven Schirra (Ulm) Accelerating the Detection of Ordinal Structures
	15:40 16:00	Christian Thiele (Osnabrück) The cutpointr package: Improved and tidy estimation of optimal cutpoints	
	16:00 16:20	Laura Beggel (München) mirFDA: an R toolbox for functional data analysis	Roman Hornung (München) Ordinal Forests: A versatile tool for ordinal regression
	16:20 16:40	Michel Lang (Dortmund) batchtools: Parallelization on high-performance computing clusters with R	Gunther Schaubberger (München) A Common Framework and Software Package for the Inclusion and Selection of Covariates in Bradley-Terry Models
Hans Kestler (Ulm) Opening	16:40 17:00	Break	Thomas Welchowski (Bonn) Sparse kernel deep stacking networks
Daniel Braun (Ulm) Optimal Statistical Decision-Making with Limited Resources	17:00 17:20	Leonie Weinhold (Bonn) The betaboost package – a boosting framework to estimate and select models for bounded outcomes like Health Related Quality of Life data	Working Group Meeting
	17:20 17:40	Hoang Nguyen (Madrid) Variational Inference for high dimensional factor copulas	
	17:40 18:00	Elisabeth Waldmann (Erlangen) Variable Selection and Allocation in Joint Models for Longitudinal and Time-to-Event Data via Boosting	
Dinner	18:00 20:00	Dinner	Dinner
Helga Wagner (Linz) Sparse Bayesian Modelling	20:00 21:00	Hands on Tutorial: Boosting Functional Regression Models	