StatComp 2024 - Conference Program

Sunday, 28.07.		Monday, 29.07.	Tuesday, 30.07	Wednesday, 31.07.
	08:20 - 08:30	**Opening**		
	08:30 - 08:55	Schenk: Modeling the restricted mean survival time as a function of time horizons with pseudo-value regression trees	Weckop: Robust estimation of distributional regression models using artificial neural networks	Medl: Comparison of Design of Experiments and Gaussian Process optimization for the optimization of a simulated bioprocess
	08:55 - 09:20	Burk: A Large-Scale Neutral Comparison Study of Survival Models on Low-Dimensional Data	Hermann: Dimensionality and Distance: Curse or Blessing? Geometrical Aspects of Nearest Neighbor Computation in High-Dimensional Data	Hepp: Component-wise gradient boosting for mixtures of distributional regression models
	09:20 - 09:45	Schauberger: Boosting for Conditional Logistic Regression	Kaftan: Registration of Dynamic 1H-MRI Series for Fourier-based Lung Functional Analysis	Wünsch: On the handling of method failure in comparison studies
	09:45 - 10:10	Griesbach: Additive Mixed Models for Location, Scale and Shape via Gradient Boosting Techniques	Oruc: Strategies for reducing heterogeneity in clinical trials through optimized sample selection	Schönenberger: Optimal Scaling of an Algorithmic Parameter in Restart Strategies
	10:10 - 10:35	Daub: A Balanced Statistical Boosting Approach for GAMLSS via New Step Lengths	Lötsch: How to impute if you must: Selecting the Appropriate Missing Value Imputation Strategy for Cross-Sectional Biomedical Numerical Data	Mayr: A copula boosting approach for dependent censoring
	10:35 - 11:00	**Coffee Break**	**Coffee Break**	**Coffee Break**
	11:00 - 11:30	Eyke Hüllermeier: Uncertainty Quantification in Machine Learning: From Aleatoric to Epistemic	Sarah Friedrich: Regularization methods in clinical biostatistics: State-of-the art and possibilities for improvement	Marchi: Development of a recommender system for targeted antibiotic therapy in sepsis
	11:30 - 12:00			Nietsch: Inductive Logic Programming for Single-cell Analysis
	12:00 - 13:30	**Lunch**	**Lunch**	**Lunch**
	13:30 - 14:00	**TUTORIAL**	**MARDI**	**Departure**
	14:00 - 14:30	Bernd Bischl, Giuseppe Casalicchio, Fiona Katharina Ewald: Interpretable Machine Learning	Sara El-Gebali: From Data to Discovery: DataCite's Role in FAIR Data Management	
	14:30 - 15:00		Roman Hornung: Reproducibility at the Biometrical Journal: Simple tips for writing and publishing clear code to ensure reproducible results	
	15:00 - 15:30			
	15:30 - 16:00	**Coffee Break**	**Coffee Break**	
	16:00 - 16:25	Bothmann: Causal Fair Machine Learning	**Poster session**	
	16:25 - 16:50	Westphal: Estimand-aligned data splitting and performance estimation in applied machine learning	von Plessen: Extending Gradient Boosting Frameworks for High-Dimensional MEG Data Analysis in Neurophysiological Research	
	16:50 - 17:15	Golchian: MissARF: Adversarial random forests for imputing missing values	Lange: Distributional Regression for Lungfunction of Cystic Fibrosis Patients with a Special Focus on Center Specific Effects	
	17:15 - 17:40	Hamberger: bioXfuse: An Integrated Toolkit for In-Depth Exploration of Semantic and Contextual Landscapes in Biomedical Research	Langhans: Determining the urgency of surgery of retinal detachment based on deep learning	
	17:40 - 18:05	**GDS**	Hoffmann: Accounting for complex structures of aleatoric and epistemic uncertainty through problem-tailored MCMC algorithms	
Arrival	18:05 - 18:30	Göran Kauermann: Human in the Loop – Uncertainty of Labelling in Supervised Machine Learning	**Working group meeting**	
Dinner	18:30 - 20:00	**Dinner**	**Dinner**	
Achim Tresch: Feature extraction for multivariate spatial data	20:00 - 20:30			
	20:30 - 21:00			