Research Seminars 2021

Research Center for Statistics

26 February 2021

Mucyo Karemera, GSEM
A General Approach for Simulation-Based Bias Correction in High Dimensional Settings

5 March 2021

Timothée Mathieu, Paris-Saclay University, France
M-Estimation and Median of Means for Robust Machine Learning

19 March 2021

Geert Molenberghs, Hasselt University & KU Leuven, Belgium
Handling Negative Correlation and/or Over/Underdispersion in Gaussian and Non-Gaussian Hierarchical Data

26 March 2021

Rajen Shah, University of Cambridge, UK
Low-Priced Lunch in Conditional Independence Testing

16 April 2021

Sophie Hautphenne, University of Melbourne, Australia
Parameter Estimation in Branching Processes with Almost Sure Extinction

30 April 2021

Johannes Schmidt-Hieber, University of Twente & Leiden University, the Netherlands
Statistical Analysis of Machine Learning Methods

7 May 2021

Michael G. Schimek, Statistics & Research Vienna, Austria
Signal Reconstruction from Multiple Ranked Lists via Convex Optimization applied to World University Ranking Data

21 May 2021

Erica Ponzi, University of Oslo, Norway
Estimation and Use of Variance Contributions in Multiple High-Dimensional Data Sources

24 September 2021

Simon Freyaldenhoven, Federal Reserve Bank of Philadelphia, USA
Identification through Sparsity in Factor Models: the l1-Rotation Criterion

1 October 2021

Joseph G. Ibrahim, UNC Gillings School of Global Public Health, USA
Assessment of Homogeneity and Consistency for Network Meta-Analysis

8 October 2021

Shahin Tavakoli, GSEM
First part: Functional Data Analysis Inspired and Applied to Biophysics, Phonetics, and Neuroimaging
Second part: Factor Models for High-Dimensional Functional Time Series, Inspired by Econometrics

22 October 2021

Johannes Lederer, Ruhr-Universität Bochum, Germany
Sparse Deep Learning

29 October 2021

Victor M. Panaretos, EPFL, Switzerland
The Completion of Covariance Kernels
(jointly with K. Waghmare (EPFL))

5 November 2021

Johan Segers, Université catholique de Louvain, Belgium
Measuring Dependence between Random Vectors via Optimal Transport
(jointly with Gilles Mordant (University of Göttingen))

19 November 2021

Jérôme Kasparian, GAP Nonlinearity and Climate, University of Geneva
Impact of Nonlinearity on Statistics in Physical Systems

26 November 2021

Domingo Morales Gonzalez, UNIVERSITAS Miguel Hernández, Spain
Empirical Best Prediction of Small Area Bivariate Parameters
(jointly with María Dolores Esteban, María José Lombardía, Esther López-Vizcaíno, and Agustín Pérez)

3 December 2021

Gilles Kratzer, Philip Morris International & University of Zurich, Switzerland
Revealing the Complexity of Health Determinants in Observational Systems Epidemiology Datasets using Additive Bayesian Networks

10 December 2021

Jere Koskela, University of Warwick, UK
Nonreversible MCMC with Constraints or Discontinuities

17 December 2021

Marco Avella Medina, Columbia University, USA
Differentially Private Inference via Noisy Optimization
(jointly with Casey Bradshaw and Po-Ling Loh)