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 Maria 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)