Research Seminars 2023

Research Center for Statistics

24 February 2023

Aaron Leor Sarvet, EPFL, Switzerland
Optimal Regimes for Algorithm-Assisted Human Decision-Making

3 March 2023

Jean-Michel Zakoïan, ENSAE, France
Estimating Conditional Systemic Risk Measures in Semi-Parametric Volatility Models
(jointly with Loïc Cantin and Christian Francq, CREST)

10 March 2023

Martyn Plummer, University of Warwick, UK
Simulation Based Bayesian Analysis: A Review

17 March 2023

Holger Rootzén, Chalmers University of Technology, Sweden
Is There a Cap on How Long a Human Can Live? Truncation, Censoring and Extreme Value Modelling
(jointly with Léo Belzile, Anthony Davison, Jutta Gampe, and Dimitrii Zholud)

24 March 2023

Fanny Yang, ETH Zurich, Switzerland
Surprising Failures of Standard Practices in ML When the Sample Size Is Small

31 March 2023

Hélène Ruffieux, University of Cambridge, UK
Fast Bayesian Joint Inference for Uncovering Disease Mechanisms at Scale

21 April 2023

Yanyuan Ma, The Pennsylvania State University, USA
Network Functional Varying Coefficient Model

28 April 2023

Ioannis Papastathopoulos, University of Edinburgh, UK
Bayesian Inference of Grid Cell Firing Patterns Using Poisson Point Process Models with Latent Oscillatory Gaussian Random Fields

5 May 2023

Nikos Tzavidis, University of Southampton, UK
On the Use of Random Forests and Advances in Data Capture for Small Area Estimation

12 May 2023

Tobias Golling, Particle Physics Department (DPNC), University of Geneva
Automating and Accelerating Scientific Discovery in HEP with Generative Models

22 September 2023

Nadja Klein, TU Dortmund University, Germany
Marginally Calibrated Deep Distributional Regression

29 September 2023

Marc Hallin, ECARES and Département de Mathématique, Université libre de Bruxelles, Belgium
Nonparametric Multiple-Output Center-Outward Quantile Regression
(jointly with Eustasio del Barrio and Alberto Gonzalez Sanz)

6 October 2023

Markus Meierer, GSEM, & Jeffrey Näf, INRIA, France
A Joint Model of Customers' Attrition, Transaction, and Spending Process in Non-Contractual Business Settings

20 October 2023

Clement Hongler, EPFL, Switzerland
Training and Generalization in Deep Learning: Neural Tangent Kernel and Beyond

27 October 2023

Fabio Centofanti, University of Naples Federico II, Italy
Robust Diagonalwise Multivariate Singular Spectrum Analysis

3 November 2023

Oliver Yibing Chén, Lausanne University Hospital (CHUV) and University of Lausanne, Switzerland
High-Dimensional Brain Mediation Analysis: Some Personal Perspectives

17 November 2023

Stephan Huckemann, University of Göttingen, Germany
Non-Euclidean Statistics Building on Generalized Fréchet Means

24 November 2023

Enea G. Bongiorno, Università del Piemonte Orientale, Italy
About the Small-Ball Probability and the Complexity of Functional Data

1 December 2023

Xavier Pennec, Université Côte d'Azur and INRIA Sophia-Antipolis, Epione team, France
Geometric Statistics for Computational Anatomy

8 December 2023

Johanna Ziegel, University of Bern, Switzerland
Isotonic Distributional Regression and CRPS Decompositions

15 December 2023

Anthea Monod, Imperial College London, UK
Approximating Persistent Homology for Large Datasets
(jointly with Yueqi Cao, Imperial College London)