



**UNIVERSITÉ
DE GENÈVE**

GENEVA SCHOOL OF ECONOMICS
AND MANAGEMENT

Research Seminars 2025

Research Institute for Statistics and Information Science

21 February 2025

Professor Munir Hiabu, University of Copenhagen, Denmark
Random Planted Forest

7 March 2025

Professor Tom Beucler, University of Lausanne, Switzerland
From Atmospheric Physics to Machine Learning and Back

4 April 2025

Professor Gilles Stupfler, University of Angers, France
Some New Perspectives on Extremal Regression
(jointly with Y. Abbas, A. Daouia, S. Girard, M. Oesting, and A. Usseglio-Carleve)

11 April 2025

Dr. Nicola Gnecco, Imperial College London, UK
Extremes of Structural Causal Models
(jointly with Sebastian Engelke and Frank Röttger)

9 May 2025

Professor Kamélia Daudel, ESSEC Business School, France
Learning with Importance Weighted Variational Inference

23 May 2025

Dr. Badr-Eddine Chérif-Abdellatif, CNRS, France
On the Asymptotics of Importance Weighted Variational Inference

3 October 2025

Professor Clément Hongler, EPFL, Lausanne, Switzerland
Cross-Entropy and Large Language Models: Arrows of Times and Games

17 October 2025

Professor Mohamed Ndaoud, Essec Business School, France

Robust High-Dimensional Linear Regression: Convex and Non-Convex Estimators for Adversarial and Heavy-Tailed Settings

(based on the papers: *Robust and Tuning-Free Sparse Linear Regression via Square-Root Slope. Minsker, S., Ndaoud, M. & Wang, L.

*Outlier-Bias Removal with Alpha Divergence: A Robust Non-Convex Estimator for Linear Regression. Hammouda I., Ndaoud, M. & Seghouane Abd K.)

31 October 2025

Dr. Eric Jay Daza, Boehringer-Ingelheim, Germany

Model-Twin Randomization (MoTR) for Estimating the Recurring Individual Treatment Effect

14 November 2025

Professor Elisa Perrone, Eindhoven University of Technology, The Netherlands

Rank-based concordance for zero-inflated data: New representations, estimators, and sharp bounds

(jointly with Jasper Arends, Guanjie Lyu, Mhamed Mesfioui, and Julien Trufin)

21 November 2025

Professor Simon Scheidegger, HEC Lausanne, Switzerland

Using Machine Learning to Compute Constrained Optimal Carbon Tax Rules

28 November 2025

Dr. William G. Underwood, University of Cambridge, UK

Upgrading survival models with CARE

12 December 2025

Professor Juan Carlos Escanciano Reyero, Universidad Carlos III de Madrid - Departamento de Economía, Spain

Debiased Machine Learning U Statistics

(jointly with Joël R. Terschuur)