



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 Stupler, 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 Chérief-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)