

WORKSHOP

HIGH-DIMENSIONAL DATA, NETWORKS, AND BEYOND

December 5th, 2025 - 9.00 am

Aula B, Palazzo San Leonardo, Riviera Garibaldi 13, Treviso

9.00 **Welcome Remarks**

9.10 **Keynote Lecture**

Daniele Durante, Bocconi University

Bayesian Modelling of Criminal Networks

10.00 Coffee break

10.30 **SESSION 1: Network Data**

Ovielt Baltodano Lopez, Ca' Foscari University of Venice

A Dynamic Stochastic Block Model for Multidimensional Networks

Matteo Iacopini, Luiss University

A Dynamic Latent Space Model for Matrix-valued Count Time Series

Antonio Peruzzi, Ca' Foscari University of Venice

Media Bias and Polarization through the Lens of a Markov Switching LS Network Model

Angela Andreella, Ca' Foscari University of Venice

Inference on Multiple Quantiles in Regression Models by a Rank-score Approach

12.30 Lunch break

14.30 **SESSION 2: High Dimensional Data**

Lorenzo Schiavon, Ca' Foscari University of Venice

Informed Order-Invariant Identifiability for Bayesian Factor Models

Mattia Stival, Ca' Foscari University of Venice

The Perceived Influences of Environment on Health in Italy: a Penalized Ordinal Regression Approach

Emanuele Aliverti, University of Padua

Scalable Approximate Inference for Cumulative Regression Models

Qing Wang, Ca' Foscari University of Venice

Compressed Bayesian Tensor Regression

16.30 Coffee break

17.00 **Keynote Lecture**

Antonio Canale, University of Padua

Adaptive Partition Factor Analysis

17.50 **Concluding Remarks**

This is the **ZOOM LINK** to participate in the seminar