Objective Bayes Methodology Conference 2025

June 8-12, 2025

Stavros Niarchos Foundation Cultural Center (SNFCC) , Athens-Greece

List of Posters

National Technical
University of Athens

ISBA
INTERNATIONAL SOCIETY FOR BAYESIAN ANALYSIS

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The Poster Session will take place in the *"Multifunctional Space 2"* and the *"Maker Space"*, both located within the library, just behind the main conference room (*"Book Castle"*).

List of Posters

1. Bayesian fMRI analysis in Fourier space.
   Konstantinos Bakas (King Abdullah University of Science and Technology)

2. Multiphasic stochastic epidemic models.
   Petros Barmpounakis (Athens University of Economics)

3. BMW: Inlier Prone Bayesian Models for Correlated Bivariate Data.
   Sumangal Bhattacharya (Indian Statistical Institute Delhi)

4. Properly constrained reference prior decay rates: theory and practice.
   Antoine Van Biesbroeck (CMAP, CNRS, École Polytechnique)

5. Bayesian model discrimination for detecting heteroscedasticity in a regression model.
   Konstantinos Bourazas (Athens University of Economics)

6. An R Package for Bayesian Variable Selection Using the Power–Expected–Posterior Prior.
   Konstantina Charmpi (National Technical University of Athens)

7. Bayesian causal inference for observational studies using factor models.
   Lea Anna Cozzucoli (University of Trieste)

8. Bayesian Model Screening: On the way to scalable approximations.
   Argyro Damoulaki (Athens University of Economics)

9. The Interplay between Bayesian Inference and Conformal Prediction.
   Nina Deliu (Sapienza University of Rome)

10. A Bayesian approach to extrapolation.
    Nikos Demiris (Athens University of Economics)

11. Theoretical guarantees for Bayesian inference with Missing Data.
    Stefan Franssen (Ceremade, Dauphine PSL)

12. Inference via mixture predictive distributions.
    Samuele Garelli (University of Bologna)

13. Bayesian nonparametric processes for clustering count data with potentially unobserved traits.
    Lorenzo Ghilotti (University of Milano-Bicocca)

14. A comparison of objective priors for Cronbach's coefficient alpha using a three-component hierarchical model.
    Sharkay Izally (Rhodes University, South Africa)

15. Bayesian Approaches for Predicting Dementia Onset and Progression from Longitudinal Neuroimaging Data.
    Athanasia Kalogirou (Athens University of Economics)

16. Bayesian Analysis of Latent Underdispersion Using Discrete Order Statistics.
    Jimmy Lederman (University of Chicago, US)

17. A uniform shrinkage prior in spatiotemporal Poisson models for count data.
    Yisheng Li (University of Texas MD Anderson Cancer Center)

18. Matching-assisted power prior for incorporating real-world data in randomized trials.
    Bo Lu (The Ohio State University)

19. Mixture priors for replication studies.
    Roberto Macri Demartino (University of Trieste)

20. A New Multivariate Logistic Distribution for Fast Objective Bayesian Inference.
    Paolo Onorati (University of Padova)

21. FBVS: a Fast Bayesian Variable Screening Method in Multiple Regression.
    Roberta Paroli (Università Cattolica SC)

22. A General Framework for Bayesian Model Assessment via Case Deletion Weights.
    Mario Peruggia (The Ohio State University)

23. Improving variable selection properties by integrating data.
    Paul Rognon-Vael (Pompeu Fabra University)

24. Priors for second-order unbiased Bayes estimators.
    Mana Sakai (University of Tokyo)

25. Variable Selection and Estimation Using Nonlocal Prior Mixtures for Data with Widely Varying Effect Sizes.
    Nilotpal Sanyal (University of Texas at El Paso)

26. A general framework for probabilistic model uncertainty.
    Vik Shirvaikar (University of Oxford)

27. On the Statistical Capacity of Deep Generative Models.
    Edric Tam (Stanford University)

28. Bayesian Transfer Learning to Boost Facebook Prophet's Performance on Short Time-Series.
    Biljana Tojtovska (Ss. Cyril and Methodius University in Skopje)

29. Bayesian Modelling and Inference for the Degrees of Freedom of the Wishart Distribution.
    Lampis Tzai (Athens University of Economics and University of Lausanne)

30. Shrinkage Priors via Random Imaginary Data.
    Giorgos Tzoumerkas (National Technical University of Athens)

31. On Some Composite Estimators for Domain Estimation under Systematic Sampling Design.
    Garima Yadav (Banaras Hindu University)

32. Principled priors for Bayesian inference of circular models.
    Xiang Ye (King Abdullah University of Science and Technology)

33. Bayesian Mediation Analysis for Time-to-Event Outcome: Investigating Racial Disparity in Breast Cancer Survival.
    Qingzhao Yu (LSU Health–New Orleans)

34. Bayesian Analysis for Over-parameterized Linear Model via Effective Spectra.
    Tomoya Wakayama (RIKEN Center for Advanced Intelligence Project)

35. Soft labeling in semi-supervised hidden Markov models.
    Filip Wichrowski (Systems Research Institute, Polish Academy of Sciences)

36. Efficient Bayesian Variable Selection in Gaussian Process Regression Models.
    Yueheng (Harriet) Wu (Tilburg University)

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