Rosario Barone

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Current positions

Research

Research Fellow in Statistics (SECS-S/01) at CEIS-Centre for Economic and International Studies, University of Rome "Tor Vergata".

Teaching

Lecturer in Economic Statistics (SECS-S/03), Department of Economics and Finance, University of Rome "Tor Vergata".
Lecturer in Statistics (SECS-S/01), Department of Economics and Finance, University of Rome "Tor Vergata".
Tutor in Statistics, Faculty of Economics, Sapienza University of Rome.

Experience

Research

2022-	Research Fellow at CEIS-Centre for Economic and International Studies, University of Rome "Tor Vergata"
2020-2021	Research Fellow at Department of Methods and Models for Economics, Territory and Finance, Sapienza University of Rome.

Teaching

2022	Tutor in *Statistics*, Faculty of Economics, Sapienza University of Rome.
2022	Lecturer in *Statistics*, Department of Economics and Finance, University of Rome "Tor Vergata".
2022	Lecturer in *Economic Statistics*, Department of Economics and Finance, University of Rome "Tor Vergata".
2020-2022	Teaching assistant in *Statistics*, Department of Economics, Roma Tre University.
2018	Teaching assistant in *Mathematics for Economics*, Department of Social and Economic Sciences, Sapienza University of Rome.

Education

2020   PHD in Economic Statistics, Sapienza Univeristy of Rome.
2018   Visiting PHD student, University of Plymouth, UK.
2016   MSc *cum laude* in Econometrics, University of Rome "Tor Vergata".
2016   Visiting undergraduate research student, University of Economics in Bratislava, Slovakia.

SUMMER SCHOOLS & SEMINARS

2019   Likelihood-free methods of inference, University of Padua, Italy.
2018   LMS Invited Lecture Series and CRISM Summer School in Computational Statistics 2018, University of Warwick, UK.
2018   BAYESCOMP 2018, Barcelona GSE Data Science Center, Spain.
2018   James O. Berger short course on Bayesian Model Selection, Sapienza University of Rome, Italy.
2017   StaTalk @ unipd, University of Padua, Italy.
2017   XLII Summer School on Mathematical Physics: Dynamical systems theory, Ergodic theory, Istituto Nazionale di Alta Matematica "'F. Severi", Ravello, Italy.
2017   SISbayes 2017 meeting, Società Italiana di Statistica, Rome, Italy.

Talks & Posters

2022   Speaker at 51st scientific meeting of the Italian Statistical Society, Caserta, Italy.
2022   Invited speaker at 5th International Conference on Econometrics and Statistics (EcoSta 2022), Kyoto, Japan.
2021   Speaker at 50th scientific meeting of the Italian Statistical Society, Pisa, Italy.
2019   Invited speaker at 12th International Conference of the ERCIM WG on Computational and Methodological Statistics, London, UK.
2019   Poster at International Workshop on Statistical Modelling 2019, Guimarães , Portugal.

Grants, honors & awards

2019   Financing winner for the project "Bayesian nonparamatric inference for vine copulas", Sapienza University of Rome.
2018   Financing winner for the project "MCMC inference for semi Markov models", Sapienza University of Rome.
2016   Grant for doctoral studies, Sapienza University of Rome.
2015   Scholarship for deserving students, University of Rome "Tor Vergata".
2015   Grant for 6 months thesis research abroad, University of Rome "Tor Vergata".

Languages

- ITALIAN: Native
- ENGLISH: Fluent

Publications and Research Products

JOURNAL ARTICELS

2022   Barone, Rosario and Tancredi, Andrea. "Bayesian inference for discretely observed multi-state models", *Statistics in Medicne.*

PROCEEDINGS

2022   Barone, Rosario and Tancredi, Andrea. "Bayesian mixtures of discretely observed multi-state models", *International Workshop on Statistical Modelling 2022*, Forthcoming.

2022   Barone, Rosario and Tancredi, Andrea. "Bayesian mixtures of semi-Markov models", *Book of short papers - SIS 2022*, Forthcoming.

2021   Barone, Rosario and Tancredi, Andrea. "Bayesian inference for discretely observed non-homogeneous Markov processes", *Book of short papers - SIS 2021*, ISBN 9788891927361.

2019   Barone, Rosario and Tancredi, Andrea. "Markov Chain Monte Carlo methods for discretely observed continuous-time multi-state semi-Markov models", *International Workshop on Statistical Modelling 2019*, ISBN 978-989-20-9528-8.

2019   Barone, Rosario and Dalla Valle, Luciana. "Bayesian nonparametric approach for vine copula modelling: an application to preterm birth data in repeated pregnancies", *International Workshop on Statistical Modelling 2019*, ISBN 978-989-20-9630-8.

UNDER REVIEW

Barone, Rosario and Dalla Valle, Luciana. "Bayesian nonparametric modelling of conditional multidimensional dependence structures", *Under Review*, pre-print: https://arxiv.org/abs/2109.10969.

PHD THESIS

2020   Barone, Rosario. *MCMC methods for continuous time multi-state models and high dimensional copula models*, Sapienza University of Rome, supervisor: Prof. Andrea Tancredi.