Francesco Gaffi

CURRENT POSITION: PhD student in Statistics at Bocconi University
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Education

2023 (EXP)	PhD in Statistics **Bocconi University** Milano, Italy Supervisors: Antonio Lijoi and Igor Prünster Topics: Functionals of random probability measures, hierarchical structures in Bayesian nonparametrics
2018	M.Sc. in Pure and applied mathematics, *cum laude* **Università di Roma Tor Vergata** Italy Supervisor: Domenico Marinucci Thesis: Functional data analysis on $\mathcal{L}^2(\mathbb{S}^2)$
2016	B.Sc. in Mathematics **Università di Roma Tor Vergata** Italy
2014	M.A. in Clarinet - Orchestral repertoire, *cum laude* **Conservatorio Licinio Refice** Frosinone, Italy
2011	B.A. in Clarinet **Conservatorio Licinio Refice** Frosinone, Italy

Work experience

2016 - 2017	Quantitative analyst intern, Ladbrokes Coral Roma, Italy

Awards

2022	ISBA2022 travel award, International Society for Bayesian Analysis
	BNP2022 travel award, International Society for Bayesian Analysis
2018	4 years PhD scholarship, Bocconi University
2014	Rotary award for best graduate student, Conservatorio Licinio Refice

Editorial activity

Reviewer for *Electronic Journal of Statistics*, *Journal of the American Statistical Association.*

Research networks and societies

Member of	International Society for Bayesian Analysis, ISBA
	Institute of Mathematical Statistics, IMS
	BayesLab of Bocconi Institute for Data Science and Analytics, BIDSA
	Complex Data Modeling Research Network, led by MiDaS
	Società Italiana di Statistica, SIS
Organizer of	BayesLab internal reading group

Publications

Work in progress

Gaffi, F., Lijoi, A., Prünster, I. (2022+). Random probability measures with fixed mean distribution. *Working paper*.

Gaffi, F., Lijoi, A., Prünster, I. (2022+). Transition probabilities of continual Young diagrams and Dirichlet random means. *Working paper*.

Durante D., Gaffi F., Lijoi, A., Prünster, I. (2022+). Partially-exchangeable multilayer stochastic block models. *Working paper*.

Conference proceedings

Gaffi, F., Lijoi, A., Prünster, I. (2022). Specification of the base measure of nonparametric priors via random means. *Methodological and Computational Contributions on Bayesian Statistics, Springer Proceedings in Mathematics and Statistics*. In press.

Presentations

Invited talks

December 2022	IISA2022, International Indian Statistical Association Conference, Indian Insitute of Science, Bengaluru, India. *Expected.*
June 2022	Third Italian Meeting on Probability and Mathematical Statistics, Alma Mater Studiorum, Bologna, Italy. *Expected.*
June 2021	EcoSta2021, 4th International Conference on Econometrics and Statistics, virtual.

Contributed talks

June 2022	ISBA2022, World Meeting of the International Society for Bayesian Analysis, Hotel Bonaventure, Montréal, Canada. *Accepted.*
April 2022	BNP2022, BNP Networking event, University of Cyprus, Nicosia, Cyprus. *Accepted.*
September 2021	BaYSM2021, Bayesian Young Statisticians Meeting, virtual.
June 2021	ISBA2021, World Meeting of the International Society for Bayesian Analysis, virtual.
	ISBA@CIRM, Junior session of ISBA2021 mirror event, Centre International de Rencontres Mathématiques, Marseille, France.

Summer Schools

July 2019	*Random graphs and complex networks: structure and function*, Bocconi Summer School in Advanced Statistics and Probability, Como, Italy

Teaching

2021 - current	Adjuct lecturer, Bocconi University • Statistics, Bachelor in Economics and finance
2020 - current	Adjuct lecturer, Bocconi University • Introduction to probability, PhD in Economics and finance • Probability, Bachelor in Mathematics for artificial intelligence
2019 - current	Teaching assistant, Bocconi University • Statistics, Bachelor in Economics and finance • Stochastic processes, Master in Data science • Optimal control, Master in Data science
2017 - 2018	Teaching assistant, Università di Roma Tor Vergata • Discrete mathematics, Bachelor in Computer science

Computer skills

Programming languages:	C/C++, Latex
Software:	R, Matlab
Environments:	Microsoft Windows, Linux distributions