Marta Catalano

Department of Decision Sciences, Bocconi University
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Education

2016 – Present	**Ph.D. in Statistics** (Expected January 2021). Università Commerciale Luigi Bocconi (Milan, Italy). Advisors: Prof. Antonio Lijoi and Prof. Igor Prünster. Ph.D. Thesis Title: *On Complex Dependence Structures in Bayesian Nonparametrics: a Distance–based Approach.*
2016 – 2017	**Postgraduate Master in "Big Data Analytics & Social Mining"**. Università di Pisa and CNR di Pisa (Pisa, Italy). Advisor: Prof. Paolo Ferragina. Master thesis title: *Information Retrieval on Arpi Dataset.* Grade: Excellent.
2012 – 2015	**Master degree in Mathematics** (Laurea Magistrale). Università degli studi di Roma Sapienza (Rome, Italy). Advisors: Prof. Domenico Fiorenza and Prof. Paolo Papi. Master thesis title: *Planar 2-Algebras and Khovanov Homology.* Grade: 110/110 with honors.
2012 – 2013	**Erasmus program**. École Normale Supérieure de Lyon (Lyon, France). Topics: Algebra and Knot Theory.
2009 – 2012	**Bachelor degree in Mathematics** (Laurea Triennale). Università degli Studi di Roma Sapienza (Rome, Italy). Advisor: Prof. Domenico Fiorenza. Bachelor thesis title: *Crystallographic groups.* Grade: 110/110 with honors.

Pubblications

Preprints	1. Catalano, M., De Blasi, P., Lijoi, A., Prünster, I. (2020+). Posterior asymptotics for hierarchical mixture models. *Working paper.* 2. Catalano, M., Lijoi, A., Prünster, I. (2020+). Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. *Submitted.*
Refereed Journals	1. Catalano, M., Lijoi, A., Prünster, I. (2020). Approximation of Bayesian models for time-to-event data. *Electronic Journal of Statistics, 14, 3366-3395.*
Conference Proceedings	1. Catalano, M., Lijoi, A., Prünster, I. (2020). Transport distances on random vectors of measures: recent advances in Bayesian nonparametrics. *Special Volume of the XV CLAPEM.* Birkhäuser. To appear. 2. Catalano, M., Lijoi, A., Prünster, I. (2019). Bayesian model comparison based on Wasserstein distances. *Book of Short Papers SIS 2019.* Pearson.

Conferences and Schools

Invited Talks	**ISBA** 15th World Meeting of the International Society of Bayesian Analysis (Kunming, China, June 2021). **CMSTATISTICS 2020** 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (Virtual conference, December 2020). XV **CLAPEM** 2019: Latin American Congress of Probability and Mathematical Statistics (Mérida, Mexico, December 2019). **SIS** 2019: Smart Statistics for Smart Applications (Milano, Italy, June 2019). Second Italian Meeting on **Probability and Mathematical Statistics** (Vietri sul Mare, Italy, June 2019).
Contributed Talks	**Bernoulli-IMS One World Symposium 2020** (August 2020).
Contributed Posters	**O'Bayes 2019** Objective Bayes Methodology Conference (Warwick, UK, June 2019) **BNP12** 12th International Conference on Bayesian Nonparametrics (Oxford, UK, June 2019)
Other Conferences	**BAYSM** Bayesian Young Statisticians Meeting (Warwick, UK, July 2018) **ISBA** 14th World Meeting of the International Society of Bayesian Analysis (Edinburgh, UK, June 2018) **BISP10** 10th International Workshop on Bayesian Inference in Stochastic Processes (Milan, Italy, June 2017).
Schools	Bocconi Summer School in Advanced Statistics and Probability: **Graphical models** (Como, Italy, July 2018). Bocconi Summer School in Advanced Statistics and Probability: **Statistical Causal Learning** (Como, Italy, July 2017)

Awards and Scholarships

2020 Autumn	**Special financial support**, Bocconi University (6 months)
2019	**Travel support**, O'Bayes 2019 conference. **Junior travel support**, BNP12 conference.
2016 Autumn	**Ph.D. scholarship**, Bocconi University (4 years).
2016 Spring	**Master scholarship**, Pisa University.
2009 – 2015	**Excellence itinerary**, Department of Mathematics G. Castelnuovo at Università degli studi di Roma Sapienza. **Honor student**, Università degli studi di Roma Sapienza.

Teaching

2019 Autumn	Teaching Assistant for the master course 20179 **Data Analysis** at Bocconi University.
2019 Spring	Teaching Assistant for the undergraduate course 30401 **Mathematics and Statistics** at Bocconi University.
2018 Autumn	Teaching Assistant for the master course 20179 **Data Analysis** at Bocconi University.
2018 Spring	Teaching Assistant for the undergraduate course 30401 **Mathematics and Statistics** at Bocconi University.
2017 Autumn	Teaching Assistant for the master course 20179 **Data Analysis** at Bocconi University.

Editorial work

Reviewer for *the Annals of Statistics*, *Biometrika*, *Journal of the American Statistical Association* and *Statistics & Probability letters*.