

Marta Catalano

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Education

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

Pubblications

Preprints	<ol style="list-style-type: none">1. Catalano, M., De Blasi, P., Lijoi, A., Prünster, I. (2020+). Posterior asymptotics for hierarchical mixture models. <i>Working paper.</i>2. Catalano, M., Lijoi, A., Prünster, I. (2020+). Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. <i>Submitted.</i>3. Catalano, M., Lijoi, A., Prünster, I. (2020+). Approximation of Bayesian models for time-to-event data. <i>Submitted.</i>
Conference Proceedings	<ol style="list-style-type: none">1. Catalano, M., Lijoi, A., Prünster, I. (2019). Bayesian Model Comparison based on Wasserstein Distances. Book of Short Papers SIS2019 Smart Statistics for Smart Applications.

Conferences and Schools

Invited talks	<p>ECOSTA 2020 4th International Conference on Econometrics and Statistics (Limassol, Cyprus, August 2020). Cancelled due to COVID-19 outbreak.</p> <p>CMSTATISTICS 2020 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (London, UK, December 2020).</p> <p>ISBA 15th World Meeting of the International Society of Bayesian Analysis (Kunming, China, June 2021).</p> <p>XV CLAPEM 2019: Latin American Congress of Probability and Mathematical Statistics (Mérida, Mexico, December 2019).</p> <p>SIS 2019: Smart Statistics for Smart Applications (Milano, Italy, June 2019).</p> <p>Second Italian Meeting on Probability and Mathematical Statistics (Vietri sul Mare, Italy, June 2019).</p>
Contributed Posters	<p>O'Bayes 2019 Objective Bayes Methodology Conference (Warwick, UK, June 2019)</p> <p>BNP12 12th International Conference on Bayesian Nonparametrics (Oxford, UK, June 2019)</p>
Attended Conferences	<p>BAYSM Bayesian Young Statisticians Meeting (Warwick, UK, July 2018)</p> <p>ISBA 14th World Meeting of the International Society of Bayesian Analysis (Edinburgh, UK, June 2018)</p> <p>BISP10 10th International Workshop on Bayesian Inference in Stochastic Processes (Milan, Italy, June 2017).</p>
Attended Schools	<p>Bocconi Summer School in Advanced Statistics and Probability: Graphical models (Como, Italy, July 2018).</p> <p>Bocconi Summer School in Advanced Statistics and Probability: Statistical Causal Learning (Como, Italy, July 2017)</p>

Awards and Scholarships

2019	<p>Travel support, O'Bayes 2019 conference.</p> <p>Junior travel support, BNP12 conference.</p>
2016 Autumn	Ph.D. scholarship , Bocconi University.
2016 Spring	Master scholarship , Pisa University.
2009 – 2015	<p>Excellence itinerary, Department of Mathematics G. Castelnuovo at Università degli studi di Roma Sapienza.</p> <p>Honor student, Università degli studi di Roma Sapienza.</p>

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.
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2017 Autumn	Teaching Assistant for the master course 20179 Data Analysis at Bocconi University.

Editorial work

Reviewer for *the Annals of Statistics*, *Biometrika* and *Statistics & Probability letters*.