

# Marta Catalano

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## Education

2016 – Present	<p><b>Ph.D. in Statistics</b> (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><b>Postgraduate Master in “Big Data Analytics &amp; Social Mining”.</b></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><b>Master degree in Mathematics</b> (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><b>Erasmus program.</b></p> <p>École Normale Supérieure de Lyon (Lyon, France).</p> <p>Topics: Algebra and Knot Theory.</p>
2009 – 2012	<p><b>Bachelor degree in Mathematics</b> (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"><li>Catalano, M., De Blasi, P., Lijoi, A., Prünster, I. (2020+). Posterior asymptotics for hierarchical mixture models. <i>Working paper.</i></li><li>Catalano, M., Lijoi, A., Prünster, I. (2020+). Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. <i>Submitted.</i></li></ol>
Refereed Journals	<ol style="list-style-type: none"><li>Catalano, M., Lijoi, A., Prünster, I. (2020). Approximation of Bayesian models for time-to-event data. <i>Electronic Journal of Statistics</i>, 14, 3366-3395.</li></ol>
Conference Proceedings	<ol style="list-style-type: none"><li>Catalano, M., Lijoi, A., Prünster, I. (2019). Bayesian Model Comparison based on Wasserstein Distances. <i>Book of Short Papers SIS2019 Smart Statistics for Smart Applications.</i></li></ol>

## Conferences and Schools

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

## Awards and Scholarships

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

## Teaching

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

## Editorial work

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