

Marta Catalano

Department of Decision Sciences, Bocconi University
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Education

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| 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: <i>On Complex Dependence Structures in Bayesian Nonparametrics: a Distance-based Approach.</i> |
| 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: <i>Information Retrieval on Arpi Dataset</i> . 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: <i>Planar 2-Algebras and Khovanov Homology</i> . 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: <i>Crystallographic groups</i> . Grade: 110/110 with honors. |

Pubblications

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| Preprints | <ol style="list-style-type: none">Catalano, M., De Blasi, P., Lijoi, A., Prünster, I. (2020+). Posterior asymptotics for hierarchical mixture models. <i>Working paper</i>.Catalano, M., Lijoi, A., Prünster, I. (2020+). Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. <i>Submitted</i>. |
| Refereed Journals | <ol style="list-style-type: none">Catalano, M., Lijoi, A., Prünster, I. (2020). Approximation of Bayesian models for time-to-event data. <i>Electronic Journal of Statistics</i>. <i>To appear</i>. |
| Conference Proceedings | <ol style="list-style-type: none">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>. |

Conferences and Schools

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| Invited Talks | <p>ISBA 15th World Meeting of the International Society of Bayesian Analysis (Kunming, China, June 2021).</p> <p>CMSTATISTICS 2020 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (London, UK, December 2020).</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 Talks | <p>Bernoulli-IMS One World Symposium 2020 (August 2020).</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> |
| Other 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> |
| 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

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| 2020 Autumn 2019 | <p>Special financial support, Bocconi University (6 months)</p> <p>Travel support, O'Bayes 2019 conference.</p> <p>Junior travel support, BNP12 conference.</p> |
| 2016 Autumn | <p>Ph.D. scholarship, Bocconi University (4 years).</p> |
| 2016 Spring | <p>Master scholarship, Pisa University.</p> |
| 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

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| 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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| 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*.