

Tommaso Rigon

CONTACT INFORMATION	Department of Statistical Science Duke University 214 Old Chemistry Bldg. Box 90251 Durham, NC 27708-0251	<i>Email:</i> tommaso.rigon@gmail.com <i>Website:</i> https://tommasorigon.github.io <i>Orcid:</i> orcid.org/0000-0002-9224-543X
RESEARCH INTERESTS	Applied Bayesian Modeling, Bayesian clustering, Bayesian Nonparametrics, Computational Statistics, Functional Data Analysis	
CURRENT POSITION	Postdoctoral Associate Duke University, Department of Statistical Sciences, Durham, US (from 02/2020 to present)	
PAST ACADEMIC POSITIONS	Research Associate Duke University, Department of Statistical Sciences, Durham, US (from 10/2019 to 02/2020) Research Affiliate de Castro Statistics Initiative, Collegio Carlo Alberto, Turin, Italy (from 09/2017 to 12/2019)	
PAST BUSINESS POSITIONS	Intern Groupon, Dublin, Ireland (from 09/2014 to 11/2014) Business analyst Bravofly Rumbo Group, Chiasso, Switzerland (from 10/2013 to 07/2014) Intern Bravofly Rumbo Group, Chiasso, Switzerland (from 05/2013 to 10/2013)	
EDUCATION	Bocconi University , Milan, Italy Ph.D., Statistics (<i>Dottorato di ricerca in Statistica</i>), Department of Decision Sciences (from 09/2015 to 09/2019, thesis defense 01/2020) <ul style="list-style-type: none">• Thesis Topic: <i>Finite-dimensional nonparametric priors: theory and applications</i>• Advisors: Antonio Lijoi and Igor Prünster• Ph.D. awarded with honors Università degli Studi di Padova , Padova, Italy M.Sc. in Statistical Sciences (<i>Laurea Magistrale in Scienze Statistiche</i>), School of Statistics (from 10/2013 to 09/2015) <ul style="list-style-type: none">• Thesis Topic: <i>Functional telecommunication data: a Bayesian nonparametric approach</i>• Advisor: Bruno Scarpa• Final mark: 110/110 with honors B.Sc. in Statistics, Economics & Finance (<i>Laurea Triennale in Statistica, Economia & Finanza</i>), School of Statistics (from 10/2010 to 04/2013) <ul style="list-style-type: none">• Thesis Topic: <i>Box-Cox transformation: an analysis based on the likelihood</i>• Advisor: Nicola Sartori• Final mark: 110/110 with honors	
AWARDS	Academic awards [2019] Travel award (accommodation) for the BNP12 conference, Oxford, UK [2019] Travel award (400£) for O'Bayes 2019 conference, Warwick, UK [2018] Best objective prediction at Stat under the Stars 4, Palermo, Italy [2018] ISBA travel award (250\$) for ISBA 2018 world meeting, Edinburgh, UK [2017] ISBA travel award (700\$) for the O'Bayes 2017 conference, Austin, Texas [2017] Best Ph.D. student in Statistics at Bocconi University in the Academic Year 2016/2017 [2017] Winner of the Young-CLADAG data contest, Milan, Italy [2017] Winner of the Bocconi summer school data competition, Como, Italy	

Refereed journals

1. Lijoi, A., Prünster, I. and **Rigon, T.** (2020). The Pitman–Yor multinomial process for mixture modeling. *Biometrika*, in press
2. Durante, D. and **Rigon, T.** (2019). Conditionally conjugate mean-field variational Bayes for logistic models. *Statistical Science*, **34**(3), 472–485
3. **Rigon, T.**, Durante, D. and Torelli, N. (2019). Bayesian semiparametric modelling of contraceptive behavior in India via sequential logistic regressions. *Journal of the Royal Statistical Society, Series A* **182**(1), 225–247
4. Durante, D., Canale, A. and **Rigon, T.** (2019). A nested expectation-maximization algorithm for latent class regression models. *Statistics & Probability Letters* **146**, 97–103

Submitted papers

1. **Rigon, T.** and Durante, D. (2020+). Tractable Bayesian density regression via logit stick-breaking priors. *arXiv:1701.02969*, revision submitted
2. Lijoi, A., Prünster, I. and **Rigon, T.** (2020+). Sampling hierarchies of discrete random structures. Revision submitted
3. **Rigon, T.** (2020+). An enriched mixture model for functional clustering. Submitted
4. Lijoi, A., Prünster, I. and **Rigon, T.** (2020+). Finite-dimensional discrete random structures and Bayesian clustering. Submitted

Refereed conference proceedings, publications in monographs, discussions

1. Aliverti, E., Paganin, S., **Rigon, T.** and Russo, M. (2019). A discussion on: “Latent nested nonparametric priors” by Camerlenghi, F., Dunson, D. B., Lijoi, A., Prünster, I. and Rodríguez, A in *Bayesian Analysis* **14**(4), 1303–1356.
2. **Rigon, T.** (2018). Logit stick-breaking priors for partially exchangeable count data. In *Book of Short Papers of the Italian Statistical Society 2018* (Abruzzo, A., Piacentino, D., Chiodi, M., and Brentari, E., editors). ISBN: 9788891910233
3. Caponera, A., Denti, F., **Rigon, T.**, Sottosanti, A. and Gelfand, A. (2018). Hierarchical spatio-temporal modeling of resting state fMRI data. In *Studies in Neural Data Science* (Canale, A., Durante, D., Paci, L., Scarpa, B., editors)

Invited presentations

- [2020] *Bayes Comp 2020*, Gainesville, Florida, US
- [2019] *The IISA International Conference on Statistics*, Mumbai, India
- [2019] *12th International Conference of the ERCIM WG on Computational and Methodological Statistics*, London, UK
- [2018] *11th International Conference of the ERCIM WG on Computational and Methodological Statistics*, Pisa, Italy
- [2018] *JSM 2018: Joint Statistical Meetings*, Vancouver, Canada
- [2018] *49th Scientific meeting of the Italian Statistical Society*, Palermo, Italy
- [2017] *The IISA International Conference on Statistics*, Hyderabad, India

Contributed presentations

- [2019] *12th International Conference on Bayesian Nonparametrics*, Oxford, UK
- [2018] *BAYSM 2018: Bayesian Young Statisticians Meeting*, Warwick, UK
- [2018] *YES IX Scalable Statistics: on Accuracy and Computational Complexity*, Eindhoven, Netherlands

Poster presentations

- [2019] *O'Bayes 2019*, Warwick, UK
- [2018] *2018 ISBA world meeting*, Edinburgh, UK
- [2017] *O'Bayes 2017*, Austin, US
- [2017] *10th international workshop on Bayesian inference in stochastic processes (BISP10)*, Milan, Italy
- [2017] *Italian Statistical Society (SIS) Bayes 2017*, Rome, Italy
- [2016] *2016 ISBA world meeting*, Cagliari, Italy

SERVICE TO PROFESSION

Referee service (alphabetical order)

Annals of Statistics; Bayesian Analysis; Computational Statistics & Data Analysis; Electronic Journal of Statistics; European Journal of Operational Research; IEEE Transactions on Neural Networks and Learning Systems; Journal of Computational & Graphical Statistics; Journal of the American Statistical Association; Statistical Methods & Applications; Social Indicators Research; Statistics & Probability Letters

Positions in Academic Societies

- Elected member of the board (2016-2018) of the [young group \(ySIS\)](#) of the Italian Statistical Society

Organization of Scientific Events

- Organizer of the ySIS session *think outside of the black-box: statistical reasoning in applications* of the [SIS2019: Smart Statistics for Smart Applications](#) conference, Milan, Italy (06/2019)
- Member of the organising committee of [Stats under the Stars 5](#), a hackathon for young Data Scientists, Milan, Italy (06/2019)
- Member of the local organising committee of the [10th international workshop on Bayesian inference in stochastic processes \(BISP10\)](#), Milan, Italy (11/2017)

TEACHING

[Bocconi University](#), Milan, Italy

Teaching Assistant

- Data analysis (Academic Year 2016/2017)
- Statistics for economic and business (Academic Year 2016/2017)

[Università degli Studi di Padova](#), Padova, Italy

Academic tutor

- Introduction to real analysis (Academic Year 2014/2015)
- Advanced statistical inference (Academic Year 2014/2015)

SUMMER SCHOOLS AND WORKSHOPS

Summer Schools and workshops

- [StartUp Research](#), Certosa di Pontignano, Italy (06/2017)
- *Bocconi Summer School in Advanced Statistics and Probability*, Como, Italy (07/2017)
- *J. T. Schwartz International School for Scientific Research*, Lipari, Italy (07/2013)