

Tommaso Rigon

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Academic positions

Fondazione “de Castro” and Collegio Carlo Alberto

Turin, Italy

Research Affiliate

2017 – Present

I am a research affiliate at the *Statistics initiative*, Fondazione “de Castro” and collegio Carlo Alberto.

Education

Bocconi University

Milan, Italy

Ph.D. in Statistics

2015 – Present

I have been awarded with a merit-based fellowship. My supervisors are professors Antonio Lijoi and Igor Prünster. My research interests include: [Applied Bayesian modeling](#), [Bayesian nonparametrics](#), [Computational statistics](#).

Università degli studi di Padova

Padua, Italy

M.S. in Statistical Sciences

2013 – 2015

I have attended with full grades the Ph.D. courses: “*Theory and Methods of Inference*” and “*Statistical Models*”. Thesis supervisor: prof. Bruno Scarpa. **Final mark:** 110/110 with laude.

Università degli studi di Padova

Padua, Italy

B.S. in Statistics, Economics & Finance

2010 – 2013

Thesis supervisor: prof. Nicola Sartori. **Final mark:** 110/110 with laude.

Academic experience

Articles in refereed journals.....

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.

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 and working papers.....

DURANTE, D. AND RIGON, T. (2019+). Conditionally conjugate mean-field variational Bayes for logistic models. *arXiv:1711.06999*, submitted.

RIGON, T. AND DURANTE, D. (2019+). Tractable Bayesian density regression via logit stick-breaking priors. *arXiv:1701.02969*, submitted.

Lijoi, A., Prünster, I and **RIGON, T.** (2019+). Sampling hierarchies of discrete random structures. Submitted.

Lijoi, A., Prünster, I and **RIGON, T.** (2019+). Bayesian inference for finite-dimensional discrete priors. In preparation.

RIGON, T., SCARPA, B. AND BARBIERATO, G. (2019+). An enriched functional mixture model for

flight route segmentation. In preparation.

Refereed conference proceedings, publications in monographs.....

RIGON, T. (2018). Logit stick-breaking priors for partially exchangeable count data. In *Book of Short Papers of the Italian Statistical Society 2018* (Abbruzzo, A., Piacentino, D., Chiodi, M., and Brentari, E., editors). ISBN: 9788891910233.

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).

Teaching activities.....

Bocconi University **Milan, Italy**

Teaching Assistant 2016 – 2017

I helped in the teaching activity of the master courses "Data analysis" and "Statistics for Economic and Business" proposing and solving exercises.

Università degli studi di Padova **Padua, Italy**

Academic Tutor 2014 – 2015

I helped new students to get started in my faculty. I managed study groups proposing and solving exercises, advising them about academic curricula and learning method.

Affiliations and editorial activities.....

Affiliations: International Society for Bayesian Analysis (ISBA), Italian Statistical Society (SIS), American Statistical Associations (ASA). Elected member of the board (2016-2018) of the young group of the Italian Statistical Society.

Referee for: Bayesian Analysis, Computational Statistics & Data Analysis, Journal of Computational & Graphical Statistics, Statistical Methods & Applications, Statistics & Probability Letters.

Talks, conferences and workshops.....

CMStatistics 2018 **ERCIM 2018**

Invited speaker, Pisa, Italy 12 / 2018

JSM 2018: Joint Statistical Meetings **JSM 2018**

Invited speaker, Vancouver, Canada 08 / 2018

BAYSM 2018: Bayesian Young Statisticians Meeting **BAYSM 2018**

Contributed speaker, Warwick, UK 07 / 2018

2018 ISBA world meeting **ISBA 2018**

Poster session, Edinburgh, UK 06 / 2018

49th Scientific meeting of the Italian Statistical Society **SIS 2018**

Invited speaker, Palermo, Italia 06 / 2018

Scalable Statistics: on Accuracy and Computational Complexity **YES IX**

Contributed speaker, Eindhoven, Netherlands 03 / 2018

The IISA International Conference On Statistics **IISA 2017**

Invited speaker, Hyderabad, India 12 / 2017

International Workshop on Objective Bayes Methodology **O'Bayes 2017**

Poster session, University of Texas, Austin 12 / 2017

Bayesian Inference in Stochastic Processes **BISP 10**

Poster session, Bocconi University, Milan 06 / 2017

Italian Statistical Society (SIS) Bayes 2017*Poster session, Sapienza University, Rome***SIS Bayes 2017***02 / 2017***International Society for Bayesian Analysis***Poster session, Cagliari***ISBA 2016***06 / 2016* **Industry experience**

Groupon*Internship***Dublin, Ireland***09 / 2014 – 11 / 2014*

I worked in the development of projects concerning Search Engine Marketing (SEM) and Landing Page Optimization (LPO). I analyzed large amounts of data and developed algorithms for statistical learning. I created a web-based user interface to improve the communication of the relevant results to the stakeholders.

Bravofly Rumbo Group*Customer Satisfaction Analyst***Chiasso, Switzerland***10 / 2013 – 07 / 2014*

Business analyst with a part-time contract. I improved existing reports implementing statistical analysis and A-B testing procedures.

Bravofly Rumbo Group*Internship***Chiasso, Switzerland***05 / 2013 – 10 / 2013*

During this internship, I have been engaged in two distinct projects concerning Customer satisfaction analysis and Attribution modeling for web analytics. I produced monthly reports about customer satisfaction and I helped to interpret results. The whole process was automatized, exploiting the synergies between L^AT_EX, MySQL and R. Additionally, I created and implemented in R an attribution model based on Markov chains.

 **Awards**

Stat under the Stars 4*Palermo, Italia**06 / 2018*

As part of a team, I won the prize *best objective prediction* in the Stat under the Stars data competition, a satellite event of the Italian Statistical Society 2018 conference. Link to the event: <https://www.unipa.it/dipartimenti/seas/sus4/>.

ISBA travel support*ISBA 2018 World meeting**06 / 2018*

ISBA travel support (250\$) for ISBA 2018 world meeting in Edinburgh, UK.

ISBA travel support*O'Bayes 2017**12 / 2017*

ISBA travel support (700\$) for the O'Bayes 2017 conference in Austin, Texas.

Young-CLADAG data contest*Young-CLADAG**09 / 2017*

As part of a team, I won a data competition organized by YoungCLADAG, a satellite event of the CLADAG conference.

Academic merit award*Bocconi University**09 / 2017*

Best PhD student within the Statistics program in Bocconi university, for the academic year 2016 – 2017.

Prediction competition: winner*Bocconi Summer School**07 / 2017*

Have a look at the article talking about this! <https://www.knowledge.unibocconi.it/notizia.php?idArt=1855>.

IT skills

General software.....

Basic: C++.

Intermediate: Linux systems, MongoDB, Hadoop, Google Analytics, Google Adwords, HTML.

Advanced: MySQL, L^AT_EX.

Statistical software and programming languages.....

Basic: SPSS, Gretl, Lisrel.

Intermediate: Python, SAS, Stata, Julia, Matlab, Stan.

Advanced: R.

Further skills and certifications.....

Applied Analytics Using SAS Enterprise Miner **Milan, Italy**

SAS formation course

11 / 2018

I attended the 3 days long course called "Applied Analytics Using SAS Enterprise Miner", held in Milan and provided by SAS.

Outreach and scholarships

Bocconi Summer School in Advanced Statistics and Probability **Como, Italy**

Summer School

07 / 2017

I attended the summer school in Bocconi Summer School in Advanced Statistics and Probability: Statistical Causal Learning.

StartUp Research **Certosa di Pontignano, Italy**

Workshop

06 / 2017

StartUp Research was a 2-day meeting where small research groups of young scholars, advised by senior researchers with a well-established experience in different areas of Statistics, will be asked to develop innovative methods and models to analyze a common dataset from the Neurosciences.

Università degli studi di Padova **Padua, Italy**

Exhibition in memory of Bernardo Colombo

04 / 2014

Collaboration in the realization of an exhibition in memory of Bernardo Colombo, available here <http://mostra-colombo.stat.unipd.it/>

J. T. Schwartz International School for Scientific Research **Lipari, Italy**

Summer School

07 / 2013

Attended the summer school in Computational Social Science: big data.

AGESCI

Venice, Italy

Member

1999 – 2013

Member of the scout association AGESCI, with whom I did various kinds of voluntary work.

Language skills

Italian: Mother tongue

English: Fluent, C1 level.