# **Tommaso Rigon**

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#### 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 (Optimization, variational inference, MCMC methods).

#### 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.

#### Liceo Classico Marco Foscarini

Venice, Italy

Classic Lucee

Final mark: 94/100.

2005 - 2010

### Academic experience

### Articles in refereed journals.....

DURANTE, D., CANALE, A. AND RIGON, T. (2018). A nested expectation-maximization algorithm for latent class regression models. *Statistics & Probability Letters*, in press.

RIGON, T., DURANTE, D. AND TORELLI, N. (2018). Bayesian semiparametric modelling of contraceptive behavior in India via sequential logistic regressions. Journal of the Royal Statistical *Society, Series A*, in press.

DURANTE, D. AND RIGON, T. (2018). Conditionally conjugate mean-field variational Bayes for logistic models. arXiv:1711.06999.

RIGON, T. AND DURANTE, D. (2018). Tractable Bayesian density regression via logit stick-breaking priors. arXiv:1701.02969.

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

RIGON, T. (2018). Logit stick-breaking priors for partially exchangeable count data. In Book of Short Papers SIS 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 spatiotemporal 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

10 / 2014 - 09 / 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), Società Italiana di Statistica (SIS). Elected member of the board (2016) of the young group of the Italian Statistical Society.

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

Talks, conferences and workshops....

JSM 2018: Joint Statistical Meeting	JSM 2018
Invited speaker, Vancouver, Canada	08 / 2018

**BAYSM 2018: Bayesian Young Statisticians Meeting**Contributed speaker, Warwick, UK
BAYSM 2018
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

Contributed speaker, Eindhoven, Netherlands

O3 / 2018

The IISA International Conference On StatisticsIISA 2017Invited speaker, Hyderabad, India12 / 2017

International Workshop on Objective Bayes Methodology O'Bayes 2017

Poster session, University of Texas, Austin 12 / 2017

Bayesian Inference in Stochastic ProcessesBISP 10Poster session, Bocconi University, Milan06 / 2017

SIS Bayes 2017 SIS Bayes 2017

Poster session, Sapienza University, Rome 02 / 2017

International Society for Bayesian Analysis ISBA 2016

Poster session, Cagliari 06 / 2016



## **Industry experience**

Groupon Dublin, Ireland

*Internship* 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**

Chiasso, Switzerland

Customer Satisfaction Analyst

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**

Chiasso, Switzerland

Internship

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 LaTeX, 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 SIS 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, нтм.

Advanced: MySQL, LATEX.

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.

### **a** Outreach and scolarships

#### **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**: Mothertongue **English**: Fluent, C1 level.