Marta Bonsaglio | Curriculum Vitae

Email: marta.bonsaglio@phd.unibocconi.it

Date and Place of Birth: 24th August 1991, Monza, Italy

Education

Università Bocconi   **Milan, Italy**

Ph.D. in Statistics   *Sep. 2017 – Present*

During the first two years of the PhD I attended several courses on Stochastic Processes, Data Analysis, Probability Theory, Classical and Bayesian Statistics. My research interests lie in statistical and mathematical methods for applied problems.

Advisors: Prof. Sandra Fortini (Bocconi University) and Prof. Lorenzo Trippa (Harvard University).

Thesis title: *"Asymptotic properties of the design of randomized clinical trials"*.

Università degli Studi di Milano-Bicocca   **Milan, Italy**

M.Sc. in Applied Mathematics   *Sep. 2013 – Feb. 2016*

Main fields of interest: Numerical Analysis. Thesis supervisor: Prof. Alessandro Russo.

Thesis title: *"High-order Finite Element Methods for polygonal meshes"*.

Final mark: 110/110 cum laude.

Università degli Studi di Milano-Bicocca   **Milan, Italy**

B.Sc. in Mathematics   *Sep. 2010 – Oct. 2013*

Main fields of interest: Applied Mathematics. Thesis supervisor: Prof. Alessandro Russo.

Thesis title : *"An application of Finite Element Methods"* (in Italian).

Final mark: 110/110 cum laude.

Liceo Scientifico Marie Curie   **Meda (MB), Italy**

Scientific High School Diploma   *Sep. 2005 – Jun. 2010*

Final mark: 100/100.

Academic Experience

Working papers

Bonsaglio M, Fortini S, Ventz S, Trippa L (2021+). Approximating the operating characteristics of Bayesian Uncertainty Directed Trial Designs. arXiv:2105.11177

Bonsaglio M, Fortini S, Ventz S, Trippa L (2021+). Incorporating external data in the design of novel trials. In preparation.

Affiliations and editorial activities

Affiliations: Midas (Complex Data Modeling Research Network), Bayesian Learning Laboratory (Bocconi University).

Referee for: Clinical Trials, Sankhya A

Talks, conferences and workshops...

Approximating the operating characteristics of Bayesian Uncertainty Directed Trial Designs BAYSM
Speaker, Online conference   *09 / 2021*

Industry and teaching experience

Altran   **Milan, Italy**
Internship   *Apr. 2016 – Aug. 2016*
During this internship, I have been engaged in two distinct projects concerning the development of novel technological devices.

Scientific High School "Liceo Scientifico Marie Curie"   **Meda (MB), Italy**
Teacher of Mathematics and Physics   *Oct. 2016 – Jul. 2017*

Programming Skills

Advanced: LaTeX

Good: R, Matlab

Basic: sas, Java

Outreach and Scolarships

Bocconi Summer School in Advanced Statistics and Probability   **Como, Italy**
Summer School   *July 2018*
I attended the Bocconi Summer School in Advanced Statistics and Probability: Graphical Models.

Bocconi University Phd Scholarship   **Milan, Italy**
Scholarship   *Sep. 2017 - Present*

Università degli studi di Milano-Bicocca Scholarship for Academic Achievement Milan, Italy
Scholarship   *2010-2011*
I have been awarded with a merit-based scholarship designed to encourage students of scientific subjects.

Language Skills

Italian: Mothertongue

English: Fluent

French: Basic