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, 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

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, Python

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