

# Alberto Bordino

## Curriculum vitae

Coventry, United Kingdom

✉ [alberto\(.\)bordino\(.\)01\(at\)gmail.com](mailto:alberto(.)bordino(.)01(at)gmail.com)

Nationality: Italian

Birthplace: Torino, Italy

Birth-date: 22/11/1998

## Networks

Website <https://albertobordino.com>

🌐 [Alberto Bordino](#)

## Education

Oct 2022 – **PhD in Statistics, Warwick, UK.**  
Present

Sep 2020 – **Master Degree in Stochastic and Data Science, 110/110 cum laude and special mention,** *Department of Mathematics G.Peano, Turin, Italy.* Thesis on infinite-wide limits of deep Stable neural networks with Prof. S. Favaro  
Jul 2022

Sep 2017 – **Bachelor Degree in Mathematics, 110/110 cum laude,** *Department of Mathematics G.Peano, Turin, Italy.* Thesis on Hidden Markov Models with Prof. F. Polito  
Jul 2020

## Publications

2024+ *Tests of Missing Completely At Random based on sample covariance matrices,* A. Bordino, T. Berrett, *ArXiv:2401.05256*

2024 *Non-asymptotic approximations of Gaussian neural networks via second-order Poincare' inequalities,* A. Bordino, S. Favaro, S. Fortini, *Proceedings of Machine Learning Research (AABI24)*

2022 *Infinitely wide limits for deep Stable neural networks: sub-linear, linear and super-linear activation functions,* A. Bordino, S. Favaro, S. Fortini, *Transactions on Machine Learning Research*

## Scholarship and Awards

Jul 2024 **Google Deepmind travel award** for AABI 2024.

June 2024 **Silver Medal,** awarded to the best graduate of the M.Sc. in Stochastics and Data Science at the University of Turin for the a.y. 2021/22.

Oct 2022 – **Department of Statistics CDT studentships.** It covers salary and university fees  
Sep 2026 for the entire length of the PhD.

Sep 2017 – **INdAM scholarship for Bachelor Degree in Mathematics,** *granted by Istituto Nazionale di Alta Matematica (INdAM).* Ranked 7th in Italy.  
Jul 2020

Sep 2018 **4th place at AlphaClass - Diderot Project,** *Department of Mathematics G.Peano, Turin, Italy*

May 2017 **Finalist at National Mathematical Olympiad**, *Cesenatico, Italy*

## Teaching and other activities

- A.Y. 32/24 Teaching assistant for **ST412-15/ST323-15 Multivariate Statistics** and **ST420-15 Statistical Learning and Big Data**, Department of Statistics, University of Warwick, Coventry, UK
- A.Y. 22/23 Teaching assistant for **ST219 - Mathematical Statistics part B**, Department of Statistics, University of Warwick, Coventry, UK
- A.Y. 22/23 One of the organisers of the **Empirical Process Theory Reading Group**, Department of Statistics, University of Warwick, Coventry, UK
- A.Y. 19/20, 20/21, 21/22 Teaching assistant for **Lab of Numerical Analysis**, *Department of Mathematics G.Peano, Turin, Italy*
- A.Y. 18/19 Teaching assistant for **Symbolic Programming with Maple, Digital Math Training project**, *Department of Mathematics G.Peano, Turin, Italy*

## Service

I have reviewed for Bernoulli.

## Summer Schools, Conferences and Workshops

- June 2024 **International Symposium on Nonparametric Statistics**, *Braga, Portugal*.
- Nov 2023 **Workshop on Bandits and Statistical Tests**, *Potsdam, Germany*.
- May 2023 **Workshop on Changepoint Analysis**, *Coventry, UK*.
- Jan 2023 **Workshop on Optimal Transport and Machine Learning**, *Coventry, UK*.
- June 2022 **2022 IMS Annual Meeting**, *London, UK*.
- Jul 2019 **INdAM summer school**, *Perugia, Italy*.
- Jul 2018 **INdAM summer school**, *Perugia, Italy*.

## Languages

**English** IELTS score: 8.0 (May 2022)

**Italian** Native speaker

## Computer Science skills

**Advanced** R,  $\LaTeX$

**Intermediate** Python, SQL, C, MATLAB, Git

## Extra-Curricular Activities

**Sport** Professional goalkeeper at Torino F.C. from 2009 to 2015. In the a.y. 2023-24, I was one of the organiser of the Stats Football sessions for the Statistics Department at the University of Warwick. I also play table tennis, but I'm actually quite average.