

# 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

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

### 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, *AABI24, indexed in the Proceedings of the JMLR*

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

### 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*

## Scholarship and Awards

- 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 - Sep 2026 **Department of Statistics CDT studentships**. It covers salary and university fees for the entire length of the PhD.
- Sep 2017 - Jul 2020 **INdAM scholarship for Bachelor Degree in Mathematics**, *granted by Istituto Nazionale di Alta Matematica (INdAM)*. Ranked 7th in Italy.
- Sep 2018 **4th place at AlphaClass - Diderot Project**, *Department of Mathematics G.Peano, Turin, Italy*
- Jan 2018 **Admitted to Percorso di Eccellenza**, *Department of Mathematics G.Peano, Turin, Italy*
- May 2017 **Finalist at National Mathematical Olympiad**, *Cesenatico, 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,  $\text{\LaTeX}$

**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.