

Valentin KILIAN

PhD student, University of Oxford

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Work experience

- Curently **PhD Student**, *University of Oxford*, United Kingdom
Under the supervision of F. Caron and B. Guedj, funded by Clarendon Scholarship. My research interests lie in the development of statistical models for the analysis of real-world networks and the applications of these models to machine learning.
- Curently **Lecturer in Mathematics and Statistics**, *Balliol College*, Oxford, United Kingdom
- Curently **Tutor**, *Department of Statistics*, Oxford, United Kingdom
Tutor for Foundations of Statistical Inference
- Since 2023 **Tutor**, Oxford, United Kingdom
Tutor in Mathematics for Keble College, Tutor in Statistics for the Rhodes Trust, Tutor in Machine Learning for the Oxford Programme for Undergraduate Studies.
- Since 2022 **Mathematics teacher**, *IPESUP*, Paris, France
Part-time mathematics teacher in business and commercial preparatory classes. Author of maths booklets.
- Since 2019 **Private Lessons in Mathematics**, France
Preparing undergraduate students for big national mathematics competitions.

Diploma

- 2023 **Master's degree, Mathematics of Randomness**, *Paris-Saclay University*
- 2022 **Master's degree in Mathematics for teaching**, *ENS Rennes*
- 2021 **Bachelor's degree in Physics**, *University Rennes 1*
- 2020 **Bachelor's degree in Pure Mathematics**, *ENS Rennes*

Education

- 2022-2023 **Master (M2) Mathematics of Randomness**, *University Paris-Saclay*, Orsay
- 2019-2023 **Trainee civil servant at the Ecole Normale Supérieure de Rennes**
Ranked 39th at the French national competitive exam for teachers ("agrégation")
- 2016-2019 **Classes préparatoires aux grandes écoles**, *Lycée Louis le Grand*, Paris, *CPGE*
Three-year undergraduate intensive course in mathematics, physics and computer science, preparing a national competitive exam.

Academic internships

- 2023 **Internship**, *LPSM, Sorbonne University*, (5 months)
supervised by C. Mathias and F. Villers on GGM inference from the noisySBM model.
- 2021 **Internship**, *University College of London*, (3 months)
supervised by B.Guedj and A. Vendeuvre on the analysis of opinion dynamics on social networks.
- 2020 **Internship**, *Ecole Normale Supérieure d'Ulm*, (2 months)
supervised by N.Tholozan on the Andreev's Theorem on Hyperbolic Polyhedra.

Computer skills

Python, R, C++, SQL, OCaml, (Latex, Git).

Languages

French Native

English Fluent