Dorian Baudry | Researcher

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Academic Experience

Inria, Laboratoire d'Informatique de Grenoble — **Grenoble (France)**
Inria researcher — *July 2025–*
- *Chargé de Recherche* in the Inria GHOST team.

Statistics Department, University of Oxford — **Oxford (United Kingdom)**
Postdoctoral researcher — *July 2024–June 2025*
- Working with Patrick Rebeschini on Optimization for Reinforcement Learning.

Ecole Polytechnique, ENSAE Paris, CNRS — **Palaiseau (France)**
Postdoctoral researcher — *January 2023–June 2024*
- Working with Vianney Perchet on Structured Bandit problems and Online Algorithms.
- Tutorials on Statistical Learning (9h in 2023, Master 2 Data Science).

Kyoto University — **Kyoto (Japan)**
3 months research visit to Shimodaira Lab — *April 2022–July 2022*
- Collaboration with Prof. Junya Honda on unifying proofs for randomized algorithms in Bandits.

CNRS, ScooL Team (Inria Lille, CristaL) — **Lille (France)**
PhD in Computer Science, University of Lille — *2019–2022*
Non-Parametric Algorithms for Multi-Armed Bandits, supervised by Emilie Kaufmann and Odalric-Ambrym Maillard.

University of Lille — **Lille (France)**
Teaching assistant — *2019–2022*
- Tutorials on Mathematical tools for the economist (64h in 2021–2022, Bachelor 1 and 2 Economy/Management).
- Course on Natural Language Processing (64h in 2020–2021, Master 2 Web Analyst).
- Tutorials on Data Mining (15h in 2019–2020, Master 1 Maths/Finance).

Education

ENS Paris-Saclay — **Paris (France)**
MSc Mathématiques, Vision, Apprentissage (MVA) — *2018–2019*
Courses in Probability Theory, Online Learning, Reinforcement Learning, Computer Vision and Deep Learning.

ENSAE Paris — **Paris (France)**
MSc in Statistics, Applied Mathematics and Economy — *2015–2019*
Major in Data Science.

Professional Experience

Kayrros — **Paris (France)**
Machine Learning Researcher — *May 2019–October 2019*
Development of Machine Learning algorithms for regime detection in the energy market, aiming to to detect and characterize structural changes in the oil market from financial time series, textual data from news and tweets, and signals extracted from satellite imagery.

Societe Generale CIB — **London (United Kingdom)**
Junior Index Structurer — *January 2018–August 2018*
Research of new trading strategies and development of back-testing tools in Python.

AXA France — **Paris (France)**
Risk-management Intern — *June 2017–November 2017*
Development of a reserving model for the long term care business in R.