CLÉMENT BERENFELD

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EDUCATION

Université Paris-Dauphine — *Paris, France*
PhD in statistics — 2019 - 2022

Université Paris-Saclay — *Orsay, France*
Graduate studies, Statistics and Machine Learning. Highest Honor — 2017 - 2018

École Normale Supérieure de Paris — *Paris, France*
Undergraduate and graduate studies, Mathematics department. Highest Honor — 2014 - 2019

Lycée Sainte Geneviève — *Versailles, France*
Preparatory school in mathematics and physics. Admitted by competitive examination to ENS Paris. — 2012 - 2014

EXPERIENCES

Institut of Mathematics, Potsdam University — *Potsdam, Germany*
Postdoctoral Researcher — 2022 - Today
- Research project on various topics of statistics and Machine Learning.
- Teaching the advanced statistical analysis course of the graduate program of Potsdam University.

CEREMADE, Université Paris-Dauphine — *Paris, France*
PhD student under the supervision of Marc Hoffmann — 2019 - 2022
- The PhD thesis tackles numerous statistical problems formulated under the so-called *manifold hypothesis*.
- Teacher assistant in statistics for undergraduate and graduate students, and supervision of master theses.

Signactif — *Bagneux, France*
Machine Learning engineer — 2017
- Analysis and prediction of crowd motion through Machine Learning.

HONORS AND AWARDS

MJLD Award : Best PhD in statistics — 2023
Awarded every three years by the French Statistical Society

Humboldt research fellowship (declined) — 2023

SKILLS

Mathematics	Probability, Statistics, Machine Learning, Data Analysis
Programming	Python (including PyTorch), R
Languages	French, English (fluent), German (notions)

SELECTED PUBLICATIONS

1. Optimal reach estimation and metric learning (2023), with E. Aamari and C. Levrard. *Annals of Statistics*.
2. Estimating a density near an unknown manifold: a Bayesian nonparametric approach (2024), with P. Rosa and J. Rousseau. *Accepted for publication in Annals of Statistics*.
3. A theory of stratification learning (2024), with E. Aamari. *In revision*.

My other publications and my PhD manuscript are available on Google Scholar or my personal webpage.