

Hugo Chardon

PhD student in mathematical statistics

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French citizen

Positions

Sep. 2024 - present **Teaching coordinator for statistics and machine learning courses, ENSAE Paris.**

Education

Oct. 2021 - June 2025 (expected) **Ph.D. in mathematical statistics, CREST-ENSAE Paris, Palaiseau, France**

○ Ph.D. thesis under the supervision of **Matthieu Lerasle** and **Jaouad Mourtada**. Dissertation title: *Finite-sample theory for maximum likelihood estimation in logistic regression: sharp guarantees for prediction and inference*.

Sep. 2020 - Sep. 2021 **MSc. in statistics and machine learning, Université Paris-Saclay, Orsay, France**

Master's degree *mathematics of randomness*. Master thesis on *benign overfitting in regression and classification*.

Sep. 2018 - Sep. 2021 **Engineering degree, ENSAE Paris, Palaiseau, France**
Major in *Data Science, Statistics and Learning*.

Sep. 2015 - Jun. 2018 **Classes préparatoires aux Grandes Écoles, Lycée Louis-le-Grand, Paris.**

Publications

2024 **Finite-sample performance of the maximum likelihood estimator in logistic regression**, *H. Chardon, M. Lerasle, J. Mourtada*, arXiv preprint, arXiv:2411.02137, submitted to the Annals of Statistics.
[arXiv link](#).

Talks

Jun. 2025 (upcoming) **56èmes journées de statistique, Marseille, France.**

Mar. 2025 **Séminaire Parisien de Statistique (Paris Statistics Seminar)**, Institut Henri Poincaré, Paris, France, invited by [Alain Célisse](#) and [Laure Sansonnet](#).

Jan. 2024 **CREST Students seminar, CREST-ENSAE, Palaiseau, France.**

Sep. 2024 **INRIA FairPlay team retreat, Aussois, France.**

- Oct. 2023 **Paris 1 research seminar, SAMM group**, *Université Paris 1*, invited by [Alain Célisse](#).
- Sep. 2023 **Workshop Statistics and Applied Mathematics (StatMathAppli)**, *Fréjus*.
- Jul. 2023 **54èmes journées de statistique**, *Université libre de Bruxelles*.
- May 2023 **Ph.D. students day**, *Hadamard Graduate School of Mathematics (EDMH), CREST-ENSAE, Palaiseau, France*.

Service

- Journal reviewing *Annals of Statistics*.
- Committee Admission for Master's degree at ENSAE for students from Ecole Polytechnique.

Conferences

- Apr. 2025 Workshop "recent advances in statistical robustness", *ESSEC Rabat, Rabat, Morocco*.
- Aug. 2024 Journées du groupe de Modélisation Aléatoire et Statistique (MAS), *Université de Poitiers, France*.
- Dec. 2023 and 2024 Meeting in Mathematical Statistics, *CIRM, Luminy, France*.
- Jul. 2022 Saint Flour Probability summer school.

Teaching

- Oct. 2021 - present **teaching assistant**, *ENSAE Paris*
 - 2023-2025: Mathematical statistics (fast track for students from École Polytechnique joining ENSAE), statistics 1 and 2 (graduate), probability theory (undergraduate).
 - 2022-2023: Mathematical statistics (fast track), measure theory, probability theory, statistics 2.
 - 2021-2022: Functional and convex analysis (undergraduate), measure theory, statistics 2.
- 2019-2020 **Oral examiner (colleur)**, *Lycée Louis-le-Grand*, Oral exams in classes préparatoires

Skills

- Scientific computing Python, R, Julia (beginner).
- other \LaTeX , version control with git.

Languages

French mother tongue

English fluent

Italian advanced

work experience in the UK

Other interests

Sport Judo (black belt, competitive level), cycling.

Misc Cooking and baking.