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

2025 (upcoming)
54èmes journées de statistique, *Marseille*

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

2024
CREST Students seminar, *CREST-ENSAE.*

2024
INRIA FairPlay team retreat, *Aussois.*

2023	**Paris 1 research seminar, SAMM group**, *Université Paris 1*, invited by Alain Célisse.
2023	**Workshop Statistics and Applied Mathematics (StatMathAppli)**, *Fréjus.*
2023	**54èmes journées de statistique**, *Université libre de Bruxelles.*

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, Morroco.
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	*work experience in the UK*
Italian	advanced	

Other interests

Sport	Judo (black belt, competitive level), cycling.
Misc	Cooking and baking.