

# Noé Fellmann, PhD student in applied mathematics

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🐙 futur github

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## Employment History

- 2021 – 2024 **PhD student**, Ecole Centrale de Lyon, IFP Energies Nouvelles, CIROQUO.
- 2021 **Intern**, Ecole Centrale de Lyon,
- 2020 **Intern**, University of Manchester.

## Education

- 2021 – 2024 **PhD**, Ecole Centrale de Lyon, IFP Energies Nouvelles, CIROQUO.  
Thesis title: *Sensitivity Analysis for robust optimization*.
- 2018 – 2021 **Master in Applied Mathematics**, Université Claude Bernard, Lyon.  
Master name: *Maths en actions*.
- General engineering degree**, Ecole Centrale de Lyon.  
Option name: *Mathematics and Decision-Making*.

## Research Publications

### Journal Articles

- 1 N. Fellmann, C. Blanchet-Scalliet, C. Helbert, A. Spagnol, and D. Sinoquet, “Kernel-based sensitivity analysis for (excursion) sets,” *Technometrics*, vol. 0, no. 0, pp. 1–13, 2024. [DOI](#): 10.1080/00401706.2024.2336537.
- 2 N. Fellmann, M. Pasquier, C. Blanchet-Scalliet, C. Helbert, A. Spagnol, and D. Sinoquet, “Sensitivity analysis for sets : Application to pollutant concentration maps,” 2023. arXiv: 2311.16795 [math.OA].

## Teaching experience

- 2020 **Colles de mathématiques in Classes Préparatoire aux grandes écoles (MPSI), L1 level** Aux Lazaristes.
- 2021 **Statistics tutorials, L3 level** Ecole Centrale de Lyon.
- 2022 **Applied analysis tutorial, L3 level** Ecole Centrale de Lyon.
- 2022 – 2023 **Statistics applied to engineering sciences, M2 level** Ecole Centrale de Lyon.
- 2023 **Probability and Statistics, L3 level** Ecole Centrale de Lyon.

## Skills

- Languages **French and English (TOEFL ITP 633).**
- Coding **R, Python, Matlab,  $\LaTeX$ .**