

Noé Fellmann, PhD student in applied mathematics

✉ noe.fellmann@ec-lyon.fr

🔗 [futur github](#)

🌐 [Linkedin](#)

🌐 [Site web](#)



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,” 2023. arXiv: 2305.09268 [math.ST].
- 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.OC].

Oral presentations




Conferences

- 2024 **SIAM UQ 2024**, Trieste, Italy, Talk in the mini-symposium *Global Sensitivity Analysis and Feature Importance*.
- 2023 **GdR MASCOTNUM**, Le Croisic, Poster.
- UNCECOMP**, Athens (Greece), Talk in the mini-symposium *Surrogate modelling and data-driven approaches for uncertainty quantification*.





Seminars, workshops, research school...

- 2022 **Mexico**, INRAE Cestas Bordeaux (France).
- Ciroquo**, INRIA Grenoble (France).
- ETICS**, Corse (France).
- Ciroquo**, BRGM, Orléans (France).
- 2023 **LIKE23**, University of Bern (Switzerland).
- Ciroquo**, INRIA Saclay (France).



Oral presentations (continued)

 **Mexico**, AgroParisTech - INRAE, Saclay (France).  

Teaching experience

- 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 .