

Noé Fellmann, PhD student in applied mathematics

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🐙 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,” *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.OC].

Oral presentations

Conferences




- 2024 **MASCOT-NUM 2024**, Giens (Hyères), France, Talk : *Kernel-based Sensitivity Analysis of set-valued models. Application to pollutant concentration maps SA*. [🔗](#) [📄](#)
- SIAM UQ 2024**, Trieste, Italy, Talk in the mini-symposium *Global Sensitivity Analysis and Feature Importance*. [🔗](#) [📄](#)
- 2023 **MASCOT-NUM 2023**, 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). [🔗](#) [📄](#) [📄](#)

Oral presentations (continued)


 **Ciroquo**, INRIA Saclay (France).  


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

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 .