Mitja Devetak

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EDUCATION

University of Oxford — Oxford
MSc in Mathematical Modelling and Scientific Computing with Distinction — 2022–2023
- Thesis: "An Economic Agent-Based Model with a Rewiring Supply Chain" with José Moran (INET)
- Classical training in applied mathematics and more modern topics like Machine Learning, Networks and Random Matrix Theory.

University of Groningen — Groningen
BcS Mathematics with *cum laude* — 2019–2022

University of Groningen — Groningen
BA Political Philosophy with *cum laude* — 2020–2022

EXPERIENCE

Université Paris 1 Panthéon-Sorbonne — Paris
Research Assistant under Antoine Mandel — 2023 - ongoing
- Developed and validated maximum entropy algorithms for global-scale supply chain reconstruction.
- Utilized LLMs, specifically Bard (now Gemini) and Mistral 7b, for the creation of comprehensive economic datasets.
- Contributed to the democratization of differentiable and agent-based modeling by open-sourcing DiscoDiff.jl, with upcoming projects ESRI.jl and NetworkReconstruction.jl.

University of Groningen — Groningen
Teaching Assistant — 2020 - 2022 (part time)
- Lecturing course "Being Persuasive" at the Honours College.
- Teaching assistant for the course "Calculus 2" at the Faculty of Science and Engeneering.

Groningen Debate Society — Groningen
Chair — 2020 - 2021 (part time)
- Chaired Board of the Groningen Debate Society Kalliope for the academic year.

SKILLS

- **Programming Languages:** Julia, Python, MATLAB, C
- **Tools and Practices:** Git, LaTeX, Continuous Integration, Vim

LANGUAGES

- **Slovene:** native
- **Italian:** native
- **English:** fluent

EXTRACURRICULAR ACTIVITIES

- Debating
  Member of a debating team, participating in debating competitions as speaker or judge, giving workshops
- Volunteering Organisation
  Climate action (Mladi za Podnebno Pravičnost)