

# Enrico Gavagnin

## Data Scientist

Experienced applied mathematician fascinated by artificial and collective intelligence. I like working in interdisciplinary and fast-paced environments where ideas can be challenged and evolve towards solutions.



## EXPERIENCE

### Data Scientist

#### Nesta

2022 - present | London, UK

**Data Science** Conceiving, designing and performing data science projects for social good. Using data science methods to recommend nationwide UK policy interventions (sustainability, social disparity and health).

**Team working and collaboration** Working as part of Data Analytics Core team. Active collaborating with internal teams on missions of public good.

**Time and project management** Using Agile on a highly-collaborative working environment. Managing multiple independent projects at the same with competing deadlines.

**Communication** Regularly reporting results at internal meetings, blogs and scientific publication. Curating

### Research associate

#### University of Bristol

2020 - 2022 | Bristol, UK

**Network science** Predicting social network dynamics within ant colonies using data-driven simulations. Conceiving, designing and performing research projects on experimental and theoretical epidemiology.


**Problem solving and lateral thinking** Proposing and defending novel research ideas. Regularly acting as reviewer for peer-review scientific journals.

**Leadership and team working** Cross-disciplinary team working, line manager of two lab assistants. Supervisor and mentor for the MSc Bioinformatics Programme. Sustainability Lab coordinator.

**Time and project management** High degree of autonomy in the whole experimental process. This includes theoretical conception, laboratory and computational method development.

**Communication** Regularly visualising and presenting research results to seminars and international conferences. Scientific writing for peer-review journals.

## CONTACTS

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 <https://enricogavagnin.github.io>

 /enricogavagnin

## TECHNICAL SKILLS

### Data analytics

Machine learning (Clustering, NLP), artificial & collective intelligence, AWS S3, multi-scale modelling (agent-based, PDEs), network science, probability and statistics

### Programming

Python (numpy, pandas, scikit-learn, metaflow), R, Matlab, git/Github, AWS, SQL, latex, G-suite

### Languages

English, Italian, Spanish

## EDUCATION

### PhD, Applied Mathematics

University of Bath

2016 - 2020 | Bath, UK

### MSc, Pure and Applied Mathematics

Università degli Studi di Padova

2014 - 2016 | Padova, Italy

Erasmus exchange at University of Bristol

### BSc, Pure and Applied Mathematics

Università degli Studi di Padova

2011 - 2014 | Padova, Italy