

# Etienne Madinier

Data Scientist & Economist | Impact Evaluation · R&D · Teaching

Clermont-Ferrand, France · emadinier.me · LinkedIn

PhD in Economics (Paris School of Economics, ENSAE), 7 years of applied research and research support. I measure the impact of decisions — public policies, social programs — and build the tools to do it, from data collection to modeling to software development.

## EXPERIENCE

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2022–2025 **Research and development**

### Pointcarre.app

Co-founder of an EdTech platform to teach high school mathematics

Product design, algorithms, Python development in a professional environment (Git, CI/CD, Docker, testing)

Data Protection Officer (DPO)

2022–2023 **Independent Research Engineer**

World Bank — Extension of doctoral research in political economy, econometrics and machine learning

Sciences Po — Data collection on electoral propaganda in France, digitization, OCR

Université de Namur — Processing of survey data and historical maps from Congo, digitization, OCR

2020–2022 **Research Assistant**

### Harvard Business School & HEC Montreal

Under the supervision of Vincent Pons and Caroline Le Pennec-Caldichoury

Management of a research assistants team

Data collection, digitization

2017–2018 **Research Assistant**

### Paris School of Economics

Econometrics, web scraping, textual analysis, spatial analysis, machine learning

2016 **Research Intern — Social Choice Theory**

### LAMSADE, Université Paris-Dauphine

## EDUCATION

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2018–2023 **PhD - Empirical political economy**

### PSE-EHESS & ENS Lyon

Under the supervision of Prof. Ekaterina Zhuravskaya

Essays in Political Economy of Media and Social Networks

2016–2017 **Master degree — Analysis and Policy in Economics**

### PSE-EHESS

2014–2017 **Statistician Engineer**

### ENSAE

Data Science, Quantitative Economics and Sociology

2012–2014 **Classe préparatoire MPSI/MP\***

### Lycée Janson de Sailly

## SKILLS

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**Programming** Python (advanced), R, SQL, Stata, Julia (learning)

**Tools & Infra** Git, Docker, Python packaging / PyPI, FastAPI, CI/CD, Linux, LaTeX

**Data & ML** Econometrics, spatial analysis (QGIS, GeoPandas), NLP, OCR, classical ML, web scraping

**Visualization** d3.js, matplotlib, ggplot

## LANGUAGES

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**French** Native

**English** C1

## COMPLEMENTARY EDUCATION

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2023 **OSINT**

### Open Facto

General introduction

Geolocation masterclass

2018 **Computational Social Sciences**

### Schwartz International School for Scientific Research

## TEACHING

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<b>Year</b>	<b>Course</b>	<b>Institution</b>	<b>Level</b>	<b>Lang.</b>
2025	Data visualization	ENSAI	Graduate	EN
2024-2025	Introduction to algebra	Université Rennes 2	Undergraduate	FR
2024	Introduction to statistics and probability	Université Rennes 2	Undergraduate	FR
2024	Introduction to quantitative methods	Sciences Po	Undergraduate	FR
2023	Geolocalized Datasets and Applications for Development Economics	Université Paris 1 — Panthéon Sorbonne	Graduate	EN
2018-2023	Geolocalized Datasets and Applications for Economics	Paris School of Economics	PhD	EN
2018-2023	Political Economy	Paris School of Economics	Graduate — Teaching assistant	EN
2015-2016	Basic computer skills (C2i)	Université Paris 1 — Panthéon Sorbonne	Undergraduate	FR

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