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

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

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

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, bokeh

LANGUAGES

French Native

English C1

COMPLEMENTARY EDUCATION

2023 **OSINT**
Open Facto
General introduction
Geolocation masterclass
Video analysis masterclass

2018 **Computational Social Sciences**
Schwartz International School for Scientific Research

TEACHING

Year	Course	Institution	Level	Lang.
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