

Mathieu Breier

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Data scientist with experience in regulatory reporting (ECB/SSM), M&A financial analysis (Deloitte), and quantitative modeling (IEA).

PROFESSIONAL EXPERIENCE

European Central Bank - DG Statistics, Banking Supervision
Data Science Trainee

Frankfurt, Germany
Sep 2025– Present

- Maintaining a supervisory reporting metadata database across the ECB and 21 SSM National Central Banks, ensuring data accuracy and integrity across regulatory reporting frameworks.
- Validating Pillar 3 (Basel III) compliance of key risk metrics, including CET1, Tier 1, RWA, Leverage Ratio, and LCR, for significant institutions and reducing manual cross-checking through automated data pipelines.
- Developing a web application to centralize supervisory metadata management for ~500 users across ECB staff, National Central Banks, and Joint Supervisory Teams.
- Building a Python AI agent prototype using a Retrieval Augmented Generation (RAG) pipeline, designed to process ~100 emails/week and significantly reduce email drafting and research time.

International Energy Agency - Energy Modeling Unit
Energy Modeling Analyst (Intern)

Paris, France
Feb 2025– Aug 2025

- Migrated a 90+ step investment modeling module from Vensim to Python, enabling multi-scenario quantitative forecasting of energy investment flows.
- Authored sections of the IEA published report [“The Future of Electricity in the Middle East and North Africa”](#)
- Developed a web scraping pipeline querying 200+ sources in under 2 minutes, ranking results by computed relevance score and reducing manual data collection from 1–2 hours to near-zero.

Deloitte - M&A Transaction Services, Financial Advisory, Analytics Team
Intern

Frankfurt, Germany
Nov 2024– Jan 2025

- Processed and analyzed multi-million-row corporate sales datasets using Alteryx and Tableau to generate financial insights and inform M&A due diligence reports.
- Designed an end-to-end Python and SQL financial modeling tool automating 5-year revenue projections with integrated Tableau dashboard generation, replacing a fully manual workflow.

EDUCATION

Barcelona School of Economics
Master Program in Data Science for Decision Making

Barcelona, Spain
Sep 2023– July 2024

- **Relevant courses:** Machine Learning For Finance, Data Visualization, Natural Language Processing, Statistical Modeling, Deep Learning.
- **Thesis:** [“Roaring and galloping inflation. The use of conceptual metaphors in the European Central Bank’s \(ECB\) communication”](#), Challenge sponsored by the ECB.

Master Program in Economics of Energy, Sustainability and Climate Change

Barcelona, Spain
Sep 2022– July 2023

- **Relevant courses:** Sustainable Finance, Analysis of the Energy Transition, Economic Geography, Econometrics, Competition and Regulation in Energy Markets.
- **Thesis:** [“An Event Study Analysis of the Energy Sector in Spain”](#)

University Saint-Louis of Bruxelles
Bachelor in Economics and Management

Brussels, Belgium
Sep 2018– Feb 2022

- **Relevant courses:** Microeconomics, Macroeconomics, Game Theory, Econometrics.
- **Erasmus** exchange semester at Universidad Autonoma de Madrid (UAM).
- Summer Internship at the **European Parliament Liaison Office** in Munich, DE.

LANGUAGES & TECHNICAL SKILLS

Language skills: French (native), English (fluent), German (fluent), Spanish (intermediate)

Technical skills: Python (advanced), Excel (advanced), SQL (advanced), R, Tableau, Refinitiv, Alteryx