Iago Riveiro Santos Dutra

EU Citizen (Spain) | No Visa Required | Open to Relocation
Phone: +55 53 991 517 608 | Email: dutrairs@proton.me | LinkedIn: linkedin.com/in/dutrairs
Website: dutrairs.github.io | GitHub: github.com/dutrairs

SUMMARY

Data Scientist specializing in Causal ML and Agentic AI. Proven track record in high-stakes forecasting (#1 global rank, FiveThirtyEight) and supply-chain risk analysis automation. Expert in statistical modeling and building production-grade inference pipelines.

EXPERIENCE

Data Scientist, Otrafy (Austin, USA) — Aug 2025 – present

- Developed a 6-month early-warning system for supply-chain liabilities by designing and implementing a **Causal ML** model to detect suppliers at risk of FDA enforcement (PyTorch, FastAPI, Docker)
- Reduced compliance analysts' verification time from hours to under 30 seconds by engineering an **agentic framework** to query complex legislation (LangChain, GCP)

Data Science Intern, AtlasIntel (Rio de Janeiro, Brazil) — Dec 2023 – Apr 2025

- Delivered the **#1 global forecast accuracy** (FiveThirtyEight) for the 2024 Brazil and USA electoral cycles by optimizing predictive model calibration (SciPy, Pandas)
- Enabled the team to scale contract intake by automating **data mining** for large-scale demographic sources, resolving a key business bottleneck (Selenium, Beautiful Soup, MySQL)

EDUCATION

MSc in Mathematical Modeling and Data Science, Getulio Vargas Foundation — Sep 2024 – present

- Accelerated Track: Admitted to early coursework in parallel with BSc studies
- Expected graduation: July 2026

BSc in Data Science and Artificial Intelligence, Getulio Vargas Foundation — Jan 2022 – Dec 2025

- Teaching Assistant: Techniques & Algorithms for Data Science; Statistical Inference; Time Series

PROJECTS

Deep Learning for Drug Discovery: Currently developing explainable models for drug side effect frequency prediction using **Graph Neural Networks**

Statistics for Environmental Sciences: Authored **four peer-reviewed papers** on statistical optimization in environmental chemistry

SKILLS

Languages: English (Cambridge C1), Portuguese (Native), Spanish (Native) and French (DELF B2)

Programming: Python (NumPy, Pandas, PyTorch, FastAPI, LangChain), C++, Julia, R, SQL, Git/GitHub

Mathematics: Statistical Inference, Monte Carlo Simulation, Counterfactual Analysis, Explainable AI

AWARDS

Full Merit Scholarship, Center for the Development of Mathematics and Sciences, FGV — 2022 – 2025

Outstanding Paper Award: 7th International Congress of Environmental Technology, UCS — 2022