Rodrigo Hermont Ozon

Econometrician & Data Scientist · Curitiba, PR, Brazil

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Economist and econometrician with 15+ years applying time series analysis, Bayesian econometrics, GARCH-family models, multi-objective optimization and, more recently, Generative AI to problems in healthcare, agribusiness, logistics and industry. PhD researcher in Industrial & Systems Engineering (PUCPR).

Professional Experience

Data Scientist — Unimed do Estado do Paraná, Curitiba (Jan 2026 – Present)
Healthcare analytics, BI and Generative AI: dashboards and KPI monitoring, statistical and predictive modeling, internal chatbots, multi-agent orchestration, AI-assisted decision-making.

Founder & Principal Consultant — OQuant Data Science Consulting, Remote (Mar 2025 – Present)
Econometric modeling, forecasting, causal inference, risk analytics and AI-driven decision support. Clients include Grupo Fleury, Aurora Alimentos and Cogna Educacional.

Data Engineer/Scientist — Volvo Group, Curitiba (Jan – Apr 2025)
Cloud data systems (Azure, ADF, Databricks), SQL/Python/PySpark pipelines, MLOps.

Area Coordinator, Data Science — LAB.PR (Public Intelligence & Data Science Laboratory), Curitiba (Oct – Dec 2024)
Led the data science team; AI solutions and data governance for state public administration.

Data Science Consultant — CNH Industrial, Remote (Apr 2023 – Sep 2024)
ML/AI models for predictive maintenance of agricultural machinery; time series; Azure data lake.

Senior Data Scientist — BRF, Curitiba (May 2021 – Mar 2023)
Predictive model for corn prices (CBOT and B3) from ~700 economic time series; Bayesian multicausal driver forecasting; BI & Analytics products.

Researcher/Consultant — UNDP/UN (PNUD Brasil) (May – Jul 2021)
Socio-economic indicators and dashboards for project BRA/18/024 on violence reduction against children and adolescents.

Earlier: Tecnofit (Senior BI Analyst, 2021), Alcast (Market Intelligence, 2020), Deal Technologies/Rumo (Senior Data Scientist, 2020), Grupo Bitcoin Banco (Senior Statistics Analyst, 2019), FIEP (Economist, 2012–2018), IBQP (Economist/GEM Brazil, 2009–2012), Compagas (Economic Planning, 2006–2007).

Education

- **PhD, Industrial & Systems Engineering** — PUCPR (2022–2027 expected). Advisor: Gilberto Reynoso-Meza. Time series, financial and Bayesian econometrics, multi-objective portfolio optimization, extremal events.
- **MSc, Economic Development** — UFPR (2011). Emphasis: big data, multivariate analysis, econometrics.
- **BSc, Economics** — UFPR (2007).

Teaching

- **FAE Business School** (Feb 2025 – Jul 2026): Big Data for Finance Project, Computational Programming, Risk Management, Econometrics, Project Appraisal & Investment Analysis.
- **ESIC Business & Marketing School** (2024): Investments module, Executive MBA.
- Earlier: FESP/PR (2011), INESUL (2009–2011), Universidade Positivo (2009–2010).

Selected Publications & Talks

- Ozon, R. H., Reynoso-Meza, G. (2024). *Comparative Analysis of Fuzzy Regression Models and Multicriteria Decision-Making for Commodity Market Forecasting Scenarios*. LVI SBPO, Fortaleza.
- Ozon, R. H., Reynoso-Meza, G. (2024). *Predictive Maintenance Strategies in Agriculture Using Survival Analysis*. XXV Congresso Brasileiro de Automática (CBA), Rio de Janeiro.
- Ozon, R. H., Reynoso-Meza, G. (2024). *Efficiency and Efficacy Comparison between NSGA-II and Differential Evolution in Multi-Objective Portfolio Optimization*. ICPR Americas, Ohio University.
- Ozon, R. H. (2023). *Integrating GAMLSS and Bayesian MSGARCH Models for Enhanced Forecasting of Commodity Price Returns*. 1st SouthStat Meeting, UFPR.
- Ozon, R. H., Reynoso-Meza, G. (2023). *Portfolio Optimization with GARCH Models Using Multiple Time Windows for Pareto Frontiers*. CONBREPRO/APREPRO.
- PhD Finalist — XI ENPPEPRO (2024).

Academic Service

Reviewer, *Applied Soft Computing* (2024–present) · Reviewer, *PRINCIPIA/UFJF* (2024–present) · Scientific Advisory Committee, PUCPR (2023; 2024–2025) · Scientific Initiation Advisor, PIBIC/PUCPR (2024–2025).

Skills

Languages/tools: Python, R, SQL, PySpark, Scala, DAX, VBA, Quarto/LaTeX. **Platforms:** Azure, Databricks, ADF, Spark, Power BI, Shiny, Git. **Methods:** time series & forecasting, Bayesian econometrics, GARCH/MSGARCH/GAMLSS, causal inference, multi-objective optimization, ML/MLOps, Generative AI (chatbots, multi-agent systems). **Languages:** Portuguese (native), English (fluent), Spanish (reading).