

## Henrique Laureano

<https://www.linkedin.com/in/henrique-laureano-025328179> | <https://henriquelaureano.github.io>

Principal Data Scientist | Statistician | M.Sc. in Statistics and Numerical Methods in Engineering

## Experience

**Principal Data Scientist**, EBANX – Curitiba-PR, Brazil [May, 2025 - Present]

- Lead predictive modeling for KPIs (transaction volume, fraud, revenue) using machine learning (LSTMs, Transformers), probabilistic models, and ensembles.
- Develop scalable forecasting pipelines, automate reporting and anomaly detection, and drive data-driven strategies.
- Mentor team members and promote best practices in time series and statistical modeling.

**Senior Data Scientist**, Banco Bradesco – Curitiba-PR, Brazil [Mar, 2025 - Apr, 2025]

Independent Model Validation and Monitoring team, working with the massified credit risk portfolio.

**Senior Data Scientist**, Volvo Trucks Latin America – Curitiba-PR, Brazil [Oct, 2022 - Feb, 2025]

BI & Advanced Analytics CoE under Business Control area.

- Short and long-term total market forecast (volume TMF) for Chile and Peru markets:
  - o Enhanced accuracy by more than 10%, reducing errors to under 3%.
- Six-digit cost reductions in monthly corrective expenses of service contracts using telemetry data modeling.
- Price optimization of gold service contracts, resulting in a 5% increase in sales and a 10% churn reduction.
- Selling and administrative (S&A) expenses annual forecast for LATAM HQ:
  - o Achieved a 9% cost reduction, totaling seven digits.

**Senior Statistician**, Pelé Pequeno Príncipe Research Institute – Curitiba-PR, Brazil [May, 2021 – Sep, 2022]

The research facility of the Pequeno Príncipe Hospital, the largest exclusively pediatric hospital in LATAM.

- Authored six international scientific publications.
- Led data visualization, sampling design, statistical and predictive modeling for complex, infectious, and oncogenetic diseases, as well as for epidemiological and clinical studies, and bioinformatics.

**Statistical Consultant**, Freelance [Jan, 2017 – Apr, 2021]

Provided statistical consultancy to researchers across a diverse range of fields including Agronomy, Biology, Economics, Electrical and Chemical Eng., Pharmacy, Education, Psychology, Chemistry, Medicine, and Zootechnics.

**Statistician**, Telehealth Center – Hospital das Clínicas (UFMG) – Belo Horizonte-MG, Brazil [Jul, 2016 – Dec, 2016]

Developed predictive/statistical models on Chagas and rheumatic disease risk. Led platform shift from SPSS to R, applying advanced methods (e.g., multivariate failure time models). Transitioned to pursue M.Sc. in Statistics at UNICAMP.

## Education

**Masters in Statistics and Numerical Methods in Engineering**, Universidade Federal do Paraná (UFPR) [2021]

**Interrupted PhD in Applied Mathematics and Computational Sciences (AMCS)**,  
King Abdullah University of Science and Technology (KAUST) [2019]

**Interrupted Masters in Statistics**, Universidade Estadual de Campinas (UNICAMP) [2017]

**Bachelor in Statistics**, Universidade Federal do Paraná (UFPR) [2016]