

Lucas Fazioni

Date Science | Machine Learning | Statistic | Databricks | Python | SQL advanced
Estância Velha, Rio Grande do Sul, Brazil

Mar 6, 1998 (age 26)
+55 (051) 995370653 (Phone)
fazionilucas@gmail.com
<https://www.linkedin.com/in/lucas-fazoni/> (LinkedIn)

About

Hi, my name is Lucas. I have over 5 years of experience driving data-driven insights and providing solutions for various areas, such as strategic planning and fraud prevention, especially in data science and analytics. I am studying the Master's program in Computer Science, working in the research line of Algorithms and Optimization, but I also have a bachelor's degree in Accounting Sciences and a postgraduate degree in Data Science. I am multidisciplinary and capable of managing different projects, with the skills to solve business problems using advanced machine learning techniques and communicate insights in a clear, objective and assertive way.

I have extensive knowledge in statistics, machine learning, and big data manipulation. I am capable of building end-to-end data science projects, and my skills include using tools such as Python, SQL, Spark, Databricks, and Machine Learning. I also have experience with AWS, experimental analysis in R, Airflow, and Git.

Experience

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Data Scientist Mid – Fraud & Risk

March 2024 - Present

Porto Alegre, Rio Grande do Sul, Brazil

- Responsible/Focal point in Data Science and Machine Learning solutions;
- Experimentation of scenarios and hypotheses (design and evaluation of experiments, A/B testing, statistical distributions);
- Development and implementation of ML models (supervised, unsupervised and probabilistic models);
- Statistical modeling to generate the main KPIs, for decision-making in the area;
- MLOps for Feature Store architecture and engineering;
- Development of optimization algorithms for repetitive tasks and actions;

Fraud Prevention Modeling Analyst

September 2022 – March 2024 (1 year and 2 months)

Porto Alegre, Rio Grande do Sul, Brazil

- Development of descriptive, predictive and inferential analyses with the aim of boosting and providing visibility into business performance, for data-driven decision-making;
- Responsible for creating measures, pre-processing data within the fraud engine (Feedzai), from simple aggregations (avg, count, max, min, sum), as well as using advanced expressions implemented via UDFs (Spark);
- Use of DEV environment (Databricks) for exploratory and descriptive analysis with PySpark and SQL;
- Data Lake: Development of the pipeline for data ingestion into the Data Lake, replication methods (lambda) between S3 Buckets in AWS addressed; after structuring this ingestion flow, it is possible to consume

transactional data post-risk engine in its Gold layer in a structured way, in D-1 (previous day's view) via Databricks;

Getnet Brazil

Data Analyst

January 2020 - December 2020 (1 year)

Porto Alegre, Rio Grande do Sul, Brazil

- Analysis and development of Forecast and assumptions, trend forecasting, analysis and control of capacity of active and receptive operations in the short, medium and long term;
- Responsible for developing one of the main management controls, which enables all cells and areas in the company to manage all KPIs in a single dashboard (Churn, Accreditations, First Call Resolution - FCR, Contact Rate, Call Index, Call Volume (BackOffice)). Effective gain in the measurement and governance of results in D-1 (previous day's view);
- Management and analysis of productivity data (operator shifts, absences, delays and breaks), through input into systems and generation of results (daily, weekly, monthly), signaling opportunities for improvement to management;
- Responsible for monitoring and maintaining the company's main management KPIs;

Fraud Prevention Modeling Analyst

January 2019 - December 2019 (1 year)

Campo Bom, Rio Grande do Sul, Brazil

- Expertise in anti-fraud analysis of customers who have contracted the E-commerce product, always aiming at the market strategy for a better approval rate, minimizing the probability of financial loss for them;
- Statistical risk modeling and data experimentation to identify patterns and mitigate fraud;
- Responsible for the area of data modeling and pre-processing to display information to the entire team and/or company;
- Development of dashboard for alert management and analysis optimization via Tableau;
- Responsible for migrating all analyses of the E-commerce product from the São Paulo cell to the Rio Grande do Sul cell;
- Development of controls and management of the monitoring team's performance;

Call Center Attendant

February 2018 - December 2018 (11 months)

Campo Bpm, Rio Grande do Sul, Brazil

Certifications

- Deep Learning Training with Pytorch (Mar 2024)
- Advanced Machine Learning Training (Feb 2024)
- NLP (Natural Language Processing) Training (Feb 2024)
- Data Engineering Training with Databricks (Nov 2023)
- Statistics Training with Python (Jun 2023)
- Data Science Training (May 2023)

Academic

Federal University of Rio Grande do Sul
Master's degree, Computer Science (2025-2027)

Uniritter University Center Ritter dos Reis
Postgraduate Lato Sensu, Data Science (2024)

UNINTER International University Center
Bachelor of Accounting Sciences (2022)