

IGOR PATRICIO

Business Analyst II

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SUMMARY

- 4+ years of experience in data analysis, automation, and business intelligence.
- At Airswift, led the definition, standardization, and development of global KPI reports for Recruitment, Sales, and Service, enabling data-driven decisions across departments and supporting the company's expansion into the IT sector.
- Built scalable data models and dashboards to support strategic decisions and improve data quality.
- Passionate about data engineering, focused on building efficient and automated solutions.

SKILLS

- Programming & Tools: Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras, MLflow), SQL, Git, R, Jupyter, Power BI, Excel
- Machine Learning & AI: Regression, Classification, Clustering, Neural Networks (CNNs, MLPs), Time Series, NLP, Model Evaluation, Feature Engineering
- Data Science Workflow: Data Cleaning, Exploratory Data Analysis, Model Selection, Hyperparameter Tuning, Cross-validation, Metrics Optimization
- Data Visualization: Power BI, Matplotlib, Seaborn, Plotly
- Other Tools: Azure DevOps, Power Automate, API Integration

LANGUAGES

Portuguese (Native) - English (Advanced) - Spanish (Basic)

WORK EXPERIENCE

Airswift - Business Analyst II - Apr 2024 - Present.

- Developed and delivered reports that enabled data-driven decision-making across Recruitment, Sales, and Service departments.
- Designed and maintained data models to automate KPI calculations and streamline reporting processes, increasing report usage by 49%.
- Collaborated with stakeholders to define, standardize, and refine global KPIs, improving alignment between department metrics and company strategic goals.
- Improved reporting accuracy and efficiency, enabling faster, more reliable strategic decisions for teams of 100+ users.
- Technologies & Tools: SQL, Power BI, DAX, Git, Azure DevOps - used to develop, manage, and deploy interactive self-service dashboards to Power BI Service with automated updates and company-wide access.

Airswift - Business Analyst Junior - Nov 2022 - Mar 2024

- Automated weekly and monthly reports across five recruiting departments with over 150 employees, reducing manual effort and improving reporting efficiency.
- Transformed complex data into actionable insights that enabled timely, data-driven decisions by leadership.
- Collaborated with stakeholders to ensure reports aligned with departmental goals and strategic initiatives.

- Improved operational efficiency by standardizing reporting processes and ensuring consistent, accurate, and reliable metrics.
- Led a data-cleaning project, identifying and notifying data owners of over 1,000 records needing correction, improving overall data quality across the organization.
- Technologies & Tools: Python, Power BI, Excel, DAX, Power Query

Airswift - Commercial Data Analyst - Nov 2021 - Nov 2022

- Supported Airswift's STEM client portfolio growth by providing weekly reports with the top 80 high-potential companies, contributing to a 17% increase in STEM contracts and enabling targeted outreach and business development.
- Performed web scraping and data analysis to collect and structure market trends and company information.
- Transformed complex datasets into actionable insights, improving decisionmaking and reporting efficiency.
- Technologies & Tools: Python, Web Scraping, JSON, Power BI, Excel

Federal University of Rio de Janeiro - PIBIC Undergraduate Research Scholarship - Set 2020 - Aug 2022

- Conducted research on deep learning methods to automate volcano detection in satellite imagery.
- Designed and implemented convolutional neural networks (CNNs) using TensorFlow and Keras.
- Applied gradient descent optimization and performed data preprocessing and model evaluation with Python (Pandas, NumPy) and R.
- Achieved high model accuracy, demonstrating the effectiveness of CNNs for geospatial image classification.
- Strengthened expertise in statistical modeling, neural networks, and data-driven problem solving.

Federal University of Rio de Janeiro - Teaching Assistant - Statistics - Mar 2020 - Oct 2021

- Assisted professors in teaching introductory statistics topics, including probability, measures of central tendency and variability, probability distributions, hypothesis testing, regression analysis, and related concepts.
- Supported students through virtual sessions, clarifying theoretical and practical aspects of statistical analysis.
- Contributed to improving students' understanding and performance in quantitative and analytical methods.

Federal University of Rio de Janeiro - Undergraduate Research Assistant (Voluntary) - Jan 2018 - Jun 2018

- Conducted research titled "Spatial and Temporal Analysis of Dengue Cases and Their Relationship with Climatic Variables in Recent Years."
- Performed data preprocessing and exploratory analysis using Python (Pandas) to identify correlations between epidemiological and climatic data.
- Developed foundational skills in data science, statistical inference, and applied machine learning through hands-on research and analysis.

EDUCATION

Federal University of Rio de Janeiro - Bachelor's degree - Statistics - Graduation Date: Jun 2023

CERTIFICATIONS

- Data Science (223 hours)
- Machine Learning (33 hours)

- Python (121 hours)
- SQL (90 hours)
- Power Automate (28 hours)
- BairesDev - Machine Learning Practitioner (96 hours)

PROJECTS

- **Soccer Match Forecast** - <https://github.com/igornunespatricio/soccer-match-forecast> - End-to-end pipeline that scrapes match data, stores in database, trains neural network models, and delivers soccer outcome predictions through an interactive Streamlit dashboard. **Tools:** Selenium, SQLite, Pandas, Numpy, Tensorflow, Poetry, Keras, Matplotlib, JSON, Shell, Logs.
- **Spendlytics** - <https://github.com/igornunespatricio/spendlytics> – Developed a financial analytics application to efficiently track and analyze spending patterns. Implemented an ETL pipeline that ingests CSV files, transforms them into a Star Schema for analytical queries, and stores the data in a SQLite database. Integrated pre-commit hooks, Black, and Ruff for automated code quality enforcement, and logged all ETL runs within the same database. **Tools:** Python, SQLite, Logs, Shell, Decorators.
- **ML API CI/CD with Terraform and Azure** - <https://github.com/igornunespatricio/machine-learning-api-ci-cd> - Built an automated infrastructure-as-code pipeline to deploy a Machine Learning API on Azure using Terraform, Azure CLI, and CI/CD workflows, including automated provisioning of cloud resources, service principals, and environment configurations. **Tools:** Terraform, Azure CLI, Azure DevOps, Docker, Shell, Linux, CI/CD, Python, FastAPI, Pydantic, Numpy, Pickle.
- **Mlflow Server with PostgreSQL and MinIO** - <https://github.com/igornunespatricio/mlflow-postgres-minio-tracking-server> - Designed and deployed a fully containerized MLflow environment using Docker Compose, integrating PostgreSQL for experiment metadata and MinIO for artifact storage, with automated Bash scripts for service setup, testing, and model tracking. **Tools:** MLflow, Docker Compose, PostgreSQL, MinIO, Python, Shell, Linux, Python, Numpy, Scikit-Learn.