

LEONARDO KAMOGAWA

Data Scientist | R Shiny Developer

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 Americana, Brazil

ABOUT ME

Data Scientist specializing in R Shiny, data visualization, and applied machine learning. Experienced in delivering production dashboards, developing R packages, and building analytical solutions that improve operational decision-making. Strong communicator with a background in audit analytics and cross-functional collaboration in fast-paced environments.

EDUCATION

Bachelor of Science in Mathematics

São Paulo State University | 2016 - 2020

First Undergraduate Research Project in Number Theory.

Second Undergraduate Research Project in Group Theory.

WORK EXPERIENCE

Argus Solutions

Data Scientist | Feb 2025 - Present

- Developed and deployed production-grade R Shiny applications with real-time logistics data used by operations managers for daily decision-making.
- Led the development of a full-featured Shiny platform demo delivered under a one-month deadline and presented at two logistics industry conferences.
- Built custom interactive reports with summarized data in charts, tables and maps using Quarto.
- Trained YOLO-based computer vision models to detect unsafe driver behaviors (mobile phone use) and Keras deep learning model to identify drowsiness indicators such as yawning and eye closure.
- Refactored and containerized data processing jobs in R, Python, and Julia, deploying them to AWS (EC2/ECS) using Docker.
- Designed complex SQL queries and stored procedures to automate periodic data extraction and reporting pipelines.
- Supported front-end development with advanced data visualization libraries, including ECharts and D3.js.

Junior Data Scientist | Aug 2024 - Feb 2025

- Documented legacy R Packages and R jobs following the R development standards.
- Committed bug fixes and hotfixes in production Shiny apps.
- Built R Shiny dashboards to attend internal demands.

Vennx

Senior Consultant | Jun 2024 - Jul 2024

- Reviewed and improved IT General Controls (ITGC) audit documentation for compliance and risk mitigation.
- Automated Segregation of Duties (SoD) analysis using Python and LLM APIs, reducing manual effort and accelerating risk assessment.

Deloitte

Consultant II | Aug 2023 - Jun 2024

- Promoted twice within two years due to high performance in SOX compliance and IT audit projects.
- Led a team responsible for testing Fixed Assets internal controls for Brazil's largest public energy company.
- Designed and presented weekly Power BI executive reports to project leadership and board-level stakeholders.
- Cross-validated three large financial databases using Python, Excel, and Alteryx to identify inconsistencies in judicial deposit records.

Business Analyst II | Aug 2023 - Jun 2024

- Produced bilingual (Portuguese/English) J-SOX process documentation for ITGC and Fixed Assets controls.
- Executed internal controls testing in SOX audits, delivering high-quality work papers that did not require senior review.
- Designed weekly Power BI executive reports.

Business Analyst I | Dec 2021 - Aug 2022

- Tested KPI-related internal controls for a national healthcare organization.
- Prepared analytical documentation for a judicial recovery (bankruptcy restructuring) project.

SKILLS

- Programming Languages:** R, Python, Julia, SQL
- Data Science:** Machine Learning, Computer Vision (YOLO, Keras, AWS Rekognition), Statistics
- Data Visualization:** R Shiny, Quarto, D3.js, ECharts, Power BI, AWS Quicksight
- Cloud & DevOps:** AWS (EC2, ECS, S3), Docker
- Data Tools:** Excel, Alteryx
- Soft Skills:** Communication, Cross-functional collaboration, Storytelling

LANGUAGES

- Portuguese (Native)
- English (Advanced C1)
- Japanese (Beginner A1)
- French (Beginner A1)