Alberson **Miranda**

DATA SCIENTIST | R DEVELOPER | ECONOMIST | MATHEMATICIAN

Vitória, Brazil

✉ albersonmiranda@hotmail.com | 🏠 datamares.netlify.app/ | ⬡ albersonmiranda | 🔗 albersonmiranda

Industry Positions

Bank of the State of Espírito Santo   *Vitória, Brazil*

ADVISOR (RURAL CREDIT OFFICE)   *Sep. 2025 - Present*

- Develop and maintain data products to support rural credit operations.
- Stack: Typescript, Google Appscripts, Python, R, DuckDB.

Bank of the State of Espírito Santo   *Vitória, Brazil*

ADVISOR (CREDIT RISK MODELING OFFICE)   *Jul. 2024 - Aug. 2025*

- Develop, monitor, and fine-tune expected credit loss models (IFRS9) using statistical and machine learning techniques.
- Stack: R, Python, Google Cloud Platform, MS SQL Server, VSCode, Jira, Bitbucket.

Bank of the State of Espírito Santo   *Vitória, Brazil*

ADVISOR (CREDIT INNOVATION OFFICE)   *Jan. 2020 - Jun. 2024*

- Trained, evaluated, and interpreted statistical models to support data-driven decision-making.
- Designed customer segmentation models to support the launch of a new credit card, and formulated pricing equations for service fees and loyalty incentives.
- Contributed to the implementation of the company's first enterprise data warehouse, enabling centralized and scalable data analytics.

Bank of the State of Espírito Santo   *Vitória, Brazil*

HEAD OF COLLECTION   *Apr. 2014 - Dec. 2019*

- Developed and implemented collection strategies that improved recovery rates by 12% annually.
- Applied econometric techniques for optimized collection and budget planning.
- Designed and maintained a MySQL database tailored to collection operations.
- Introduced the R programming language to the company, enhancing data analysis capabilities.

Bank of the State of Espírito Santo   *Vitória, Brazil*

CREDIT ANALYST   *Jul. 2008 - Mar. 2014*

Education

Universidade Federal do Espírito Santo   *Vitória, Brazil*

PHD IN ECONOMICS   *Jan. 2024 - Dec. 2027*

- Thesis: "Essays in Hierarchical Time Series".

Universidade Federal do Espírito Santo   *Vitória, Brazil*

M.SC IN ECONOMICS   *Jan. 2022 - Dec. 2023*

- Thesis: "Machine Learning Methods for Optimal Reconciliation of Hierarchical and Grouped Time Series."

Instituto Federal do Espírito Santo   *Vitória, Brazil*

B.SC IN MATHEMATICS   *Feb. 2018 - Dec. 2023*

Universidade Federal do Espírito Santo   *Vitória, Brazil*

B.SC IN ECONOMICS   *Feb. 2007 - Dec. 2013*

Open Source

fio   *R Package*

AUTHOR/MAINTAINER

- A Rust-powered R package designed for lightning fast economic input-output analysis (https://albersonmiranda.github.io/fio/).

rextendr   *R Package*

CORE CONTRIBUTOR

- An R package that helps scaffolding extendr-enabled packages or compiling Rust code dynamically (https://extendr.github.io/rextendr/).

R Tools PPA   *Linux Repository*

- A PPA for distributing the latest versions of RStudio, Quarto, and Positron for Linux users (both .deb and .rpm) (https://albersonmiranda.github.io/r_tools_ppa/).

Projects

R for Data Science   *Book*

Translator

- Translator of the portuguese version of the book "R for Data Science" by Hadley Wickham and Garrett Grolemund (https://pt.r4ds.hadley.nz/).

GBIF Biodiversity   *Shiny web app*

Author

- A Docker image containing a Shiny app for visualizing global biodiversity data (https://albersonmiranda.shinyapps.io/Global_Biodiversity/).