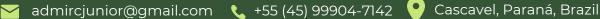
# **ADMIR CESAR DE OLIVEIRA JUNIOR**

## DATA | STATISTICS









github.com/admirjr

# **PROGRAMMING LANGUAGES**

- Python
- R
- SOL
- C++

### **SKILLS**

- Machine Learning
- Statistics
- Data Viz
- Git
- Metabase
- Excel

### **EDUCATION**

- Biological Sciences Federal University of Paraná Feb 2023
- Mathematics University of Paraná On going
- M.Sc. in Neotropical **Biodiversity**

Federal University of Latin-american Integration On going

# **ADDITIONAL EDUCATION**

- Deep Learning with **PyTorch**
- Apache Spark with **Python**
- Data Analysis and Visualization
- PostgreSQL
- Julia for Data Science

# LANGUAGES

**English** 

Portuguese

Spanish

#### RESUME

Specialist in analyzing, understanding and modeling complex systems and situations, often quantifying qualitative attributes, all with good communication and visualization skills. Researcher in Machine Learning and Predictive Statistical Models for Ecological Modeling. Experience in statistics, data analysis, data science, and machine learning.

#### **PROJECTS**

- Skuld: a patch for sales forecast in holidays
  - Problem: inaccurate holiday sales forecasts causing waste and financial losses.
  - Analyzed historical holiday sales data for each product.
  - Developed correction-classes system to refine forecasts.
  - Reduced prediction errors by approximately 70%.
  - Mitigated errors across primary products, enhancing operational efficiency.
- Boxer: a packaging solution
  - Problem: logistics issue with box allocation for daily orders.
  - Aggregated and cross-referenced non-standardized spreadsheets.
  - Constructed a database linking box and items quantities in each order.
  - Trained a deep neural network using the constructed database.
  - Developed a model with approximately 90% accuracy.
  - Enhanced packaging logistics for the company by optimizing box distribution across orders.
- ADM: a toolbox for modelling species abundance
  - Problem: there is no available package to model abundance
  - Writing a R package optimized to model species abundance
  - It features several machine learning and statistics modelling techniques, some novelty for the research field

### **WORK EXPERIENCE**

Researcher | UNILA | Abr 2023 - present

Development of ecological niche modeling techniques with deep learning; conducted as part of the master's program in Neotropical Biodiversity at the Federal University of Latin American Integration.

Statistics and Data Consultant | Mar 2023 - present

Consulting on statistics and data, assisting throughout the entire process, from data collection, structuring, analysis, testing, to the graphical visualization of results.

Data Science Intern | FREXCO | Dec 2022 - Mar 2023

Extraction, processing, and analysis of multivariate and time series data related to food production, sales and waste; development and monitoring of performance indicators; development and monitoring of machine learning and statistical models.