

Gabriel Cordeiro Holanda

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SUMMARY

Data Analyst with solid experience in statistical modeling, predictive analysis, and data visualization. Skilled in Python, R, SQL, and tools such as Power BI and QGIS, with expertise in building data pipelines, socioeconomic research, and developing machine learning models. Proven ability to transform complex data into actionable insights to support strategic decision-making and negotiations. Seeking to apply quantitative knowledge to solve real-world problems and drive data-driven solutions.

EDUCATION

Federal University of Ceará

Master's in Sociology (Quantitative Methods)

Fortaleza-CE

2025 – 2026

Federal University of Ceará

Bachelor's in Economics

Fortaleza-CE

2019 – 2025

SKILLS

Programming Languages: Python, R, SQL

Libraries: NumPy, Pandas, Scikit-learn, seaborn, PyTorch

Tools: Git, PowerBI, Excel, QGIS, LaTeX

EXPERIENCE

Technical Assistant

DIEESE - Interunion Department of Statistics and Socioeconomic Studies

Sep 2024 – Mar 2025

Fortaleza, CE

- Calculated inflation in Ceará and analyzed socioeconomic indicators such as unemployment and GDP
- Created pipelines and a Data Lake for extraction and organization of data (RAIS, CAGED)
- Developed predictive models for inflation forecasting
- Presented data for union negotiations
- Published a monthly inflation bulletin in the newspaper *O Povo*

Research Assistant

Ceará Foundation for Research and Culture / LECO

Sep 2021 – Dec 2023

Fortaleza, CE

- Cleaned, organized, and georeferenced datasets on domestic violence
- Developed, tested, and validated predictive models using statistics and Machine Learning
- Created technical reports and interactive dashboards
- Contributed to academic publications authored by the project supervisor

Commercial Assistant (Data Driven) - Internship

Gomes de Matos Consulting

Feb 2023 – Jun 2023

Fortaleza, CE

- Organized and cleaned commercial datasets
- Created records and conducted internal research to evaluate metrics
- Automated tasks and reports, saving up to 12 hours per week
- Presented weekly results based on KPIs
- Contributed to the initial implementation of a data science department

PUBLICATIONS

Absence of Rational Bubbles in NFTs: An Analysis based on the Hypothesis of Non-stationarity

2024

Empirical Economics Letters

Abstract: Investigated rational bubbles in the NFT market using unit root tests and econometric methods to assess price series stationarity. Results showed no robust evidence of rational bubbles in this market.

Skills used: R, time series econometrics, unit root tests, financial data analysis.

Temporal and Euclidean Distance Matrices for Risk of Homicide Perception Analysis

2023

II Seminar on Evidence-Based Public Policies in the Brazilian Criminal Justice System

Abstract: Developed temporal and Euclidean matrices to analyze homicide risk perception, considering spatial and temporal proximity of incidents to respondents' residences. Built databases with over 9 million records and geospatial visualization tools.

Skills used: Python, QGIS, georeferencing, big data manipulation, spatial and temporal analysis.