

# Vanessa Lorenzoni

Data Analyst | PhD in Astrophysics | SQL, Python, Databricks, Financial Analytics

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## PROFILE

Data analyst with a PhD in astrophysics and a strong foundation in SQL, Python, statistics, large datasets, and analytical communication. Brings scientific rigor to financial analytics, building reliable data structures, dashboards, and decision-ready analysis for business teams.

## EXPERIENCE

### Sicredi - Data Analyst, Payment Methods Team

Mar 2025 - Present

Works on credit revenue analytics for one of Brazil's largest cooperative financial institutions. Builds analytical structures, dashboards, and data models with Databricks, SQL, and Python, supporting the cards and payment methods journey.

### Compass UOL - Data Scientist, allocated to Sicredi

Aug 2024 - Mar 2025

Joined as a data scientist and worked embedded in the client's payments data team, contributing to analytical and pipeline work before being invited to join Sicredi directly.

## EDUCATION

PhD in Physics - Extragalactic Astrophysics, Universidade Federal de Santa Maria, 2024

MSc in Physics, Universidade Federal de Santa Maria, 2019

BSc in Physics, Universidade Federal de Santa Maria, 2015

Data Science Specialization, in progress

## SELECTED PUBLICATION

### Probing Stellar Populations and Interstellar Medium in Early-Type Central Galaxies

Monthly Notices of the Royal Astronomical Society, Volume 527, Issue 2, pp. 3542-3558, January 2024. DOI: 10.1093/mnras/stad3435. arXiv: 2311.01577.

## SKILLS

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|-------------------------|--|
| <b>Analytics</b>        | SQL, Python, Databricks, dashboards, data modeling, financial data       |
| <b>Scientific rigor</b> | Statistics, research, uncertainty-aware analysis, large datasets         |
| <b>Communication</b>    | Stakeholder communication, teaching, documentation, data storytelling    |
| <b>Languages</b>        | Portuguese native; English intermediate professional working proficiency |

## CERTIFICATES

Supervised Machine Learning; Advanced Learning Algorithms; Unsupervised Learning, Recommenders & Reinforcement Learning; Master SQL for Data Science; LGPD; Santander Bootcamp Backend Java; Object-Oriented Programming.