Yuri Abuchaim de Oliveira
São Paulo, Brazil • http://lattes.cnpq.br/6100327519689283
Email: yuri.abuchaim@gmail.com • Phone: +55 (11) 98739-7385
GitHub: github.com/rilufi • Kaggle: kaggle.com/rilufi • ORCID: 0000-0002-6838-2178

PROFESSIONAL SUMMARY

Data Analyst and Astrophysicist with expertise in Python, SQL, and statistical modeling. Published 5 peer-reviewed papers (69 citations). Experience in large-scale astronomical surveys and nuclear physics research.

EDUCATION

• M.Sc. in Astronomy — University of São Paulo (USP) | 2021-2023
  - Thesis: "Chemodynamical Analysis of the Triangulum-Andromeda Stellar Overdensity"
  - CAPES Fellowship

• B.Sc. in Physics — University of São Paulo (USP) | 2011-2019
  - Research in Nuclear Physics and Stellar Populations

TECHNICAL SKILLS

• Programming: Python (Pandas, NumPy), SQL
• Tools: Jupyter Notebook, Git, Excel
• Languages: English (fluent), Spanish (intermediate)

PUBLICATIONS

• 5 publications (69 citations, Google Scholar)
  - "On the validity of the spectroscopic age indicators [Y/Mg],[Y/Al],[Y/Si],[Y/Ca], and [Y/Ti] for giant stars" (MNRAS, 2022)
  - "The Chemodynamical Nature of the Triangulum-Andromeda Overdensity" (ApJ, 2023)
  - "Durolon® as a Nuclear Track Detector" (Radiation Measurements, 2024)
• 11 conference presentations

RESEARCH EXPERIENCE

• Galactic Archaeology (USP/IAG):
  - High-resolution spectroscopic data analysis (APOGEE, Gemini)
  - Stellar chemical abundance modeling

• Nuclear Physics (USP/IF):
  - Characterization of polymeric nuclear track detectors