VINICIUS PLACCO

Astrophysicist/Data Scientist

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O github.com/vmplacco/

EXPERIENCE

Research Assistant Professor

University of Notre Dame

April 2015 - Present

♥ Notre Dame, Indiana

- Manages research group with 10-15 people
- Research in Stellar Archaeology using big data applications:
 - Monte Carlo simulations using bash and R (example)
 - Supervised learning, regressions, and data visualization (example)
 - Artificial Neural Networks using Python (co-author example)
- Presents technical seminars for audiences with wide range of expertise

Science Fellow

Gemini Observatory

February 2014 - March 2015

♥ Hilo, Hawaii

- Observatory operations, instrument troubleshooting, and user support
 - Developed online calculator in C, bash, and gnuplot (v0.1 Beta)
- · Research in Stellar Archaeology
 - Evolutionary carbon corrections for stars (bash and Python link)
- Served as interface between observatory and visitors (staff/scientists)
- Interacted with astronomers, engineers, IT and facilities staff

Postdoctoral Researcher

National Optical Astronomy Observatory

February 2013 - January 2014 Tucson, Arizona

- Research in Stellar Chemical Abundances with statistical applications:
 - Unsupervised clustering analysis using R
- Presented technical seminars and participated in conferences

Postdoctoral Researcher

Universidade de São Paulo

- Research in Stellar Chemical Abundances with statistical applications:
 - Natural Group Identification using R
- Presented technical seminars and participated in conferences

External Consultant - Data Science and Statistics Suzuki Motor Company - Brazil

M November 2010 - October 2011♥ São Paulo, Brazil

- Analyzed sales data for cars and parts
- Provided technical expertise for sales forecasting (using mainly R)
- Assisted with general statistics and data analysis inquiries

EDUCATION

Ph.D. - Astrophysics

Universidade de São Paulo

2010

São Paulo, Brazil

Thesis: Search for very metal-poor stars based on carbon over-abundance

M.Sc. - Astrophysics

Universidade de São Paulo

2007

São Paulo, Brazil

Dissertation: Abundance patterns among metalpoor stars in the Galaxy - a statistical approach

B.Sc. - Physics and Astronomy

Universidade de São Paulo

2005

São Paulo, Brazil

TECHNICAL SKILLS

Shell Scripting, Gnuplot, \LaTeX 2_{ε} Linux, Unix, Mac OS R, Python, SQL, html, CSS Tableau, IDL Apache, Fortran, C



STRENGTHS

Hard-working

Strategic/Critical thinking

Responsibility

Team player

Quick learner

Written/Verbal communication

Organized

LANGUAGES

Portuguese English Spanish Italian



ONLINE RESOURCES

- Publication list with links to pdf files
- Complete Academic Curriculum Vitae
- https://stackoverflow.com/profile