



Pedro Henrique Muniz Lima, PhD, MSc

Data Analyst / Scientist

Local: Vienna, Austria. **Nationality:** Brazilian.

VISA: Daueraufenthalt - EU.

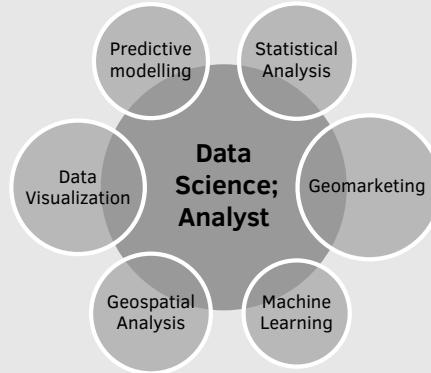
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My website

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in/pedrolima-ds/

munizlimap15



Programming

- Geospatial tools (ArcGIS Pro; Qgis)

- R • - Git • Agile framework

- SQL • - Python • Power BI

Languages

Portuguese (Native)

English (C1)

German (B1)

Relevant Professional experiences

2021 - 2023 **Researcher; Principal Investigator (PI)** University of Vienna

- Researcher within the MoNOE project at the University of Vienna (Department of Geography and Regional Research), and in cooperation with the *Land Niederösterreich*.
- Main activities include: Handling and integrating a landslide database. Predictive modeling using statistical algorithms.
- Re-evaluation of old prediction model quality. Exploratory data analysis, reporting, prediction and validation of new predictions.

Python ArcGIS Pro QGIS Git LATEX

2019 - 2021 **Data Scientist** GIS

Ubiquitous

- Led spatial-temporal model development for mobility demand prediction, enhancing services in cities like Berlin and Dubai.
- Managed and optimized data pipelines and algorithms for shared mobility fleets. Proficiency in data engineering and preparation.
- Conducted data analysis and visualization for client reports and presentations. Storytelling and impact assessment (KPI).
- Deliver ready-to-go model to the back-end team for deployment.
- Core Competencies: Advanced data analysis, exploratory data analysis, predictive modeling, geospatial data analysis, data visualization, and communication.

SQL FME QGIS Git LATEX

2013 - 2013 **Environmental and GIS analyst** Terranova Projetos ambientais

ArcGIS MS Office Field survey EXCEL

Relevant education and training

2015 - 2022 **PhD in Physical Geography** Universität Wien

- Used multiple statistical and machine learning algorithms to spatially predict natural hazard phenomena (landslides) in varied study sites.
- Design methodological frameworks aiming to better cope with insufficient input datasets (e.g., bias, positional inaccuracy).
- Participation in varied number of scientific conferences, including presentation and debate of modelling outcomes.
- Production of varied research items.

ArcGIS Pro QGIS LATEX Git

2013 - 2015 **MsC in Physical Geography** UFRJ

ArcGIS QGIS EXCEL

Varied certifications; courses

Linux and First Steps on the VSC-3 Cluster Microsoft Power BI Data Analyst

Introduction to R R - Advanced Introduction to Python

International Summer School on Geospatial Data Science Using R

Other interests

Summer • Surf • Landscapes • Outdoor activities • Snowboard • Travel • Maps • Houseplants • Coffee • Bike • Watersports

