Pedro Henrique Muniz Lima, PhD

Data Analyst / Scientist

Nationality: Brazilian.

Location: Vienna, Austria

VISA: Open labor market access (EU).

(43) 680 1152366

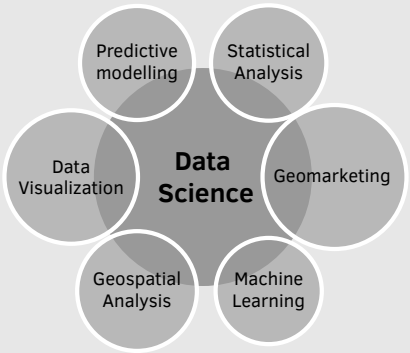
My website - *under construction*

pedrohe@gmail.com

/pedrolima-ds/

munizlimap15

Skills



Programming

Power BI - *training started in 2024*

- Python

- SQL • LaTeX

- R • Git • Agile framework

- Geospatial tools (ArcGIS Pro; Qgis)

Languages

German (B1)

English (C1)

Portuguese (Native)

Relevant Professional experiences

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

- Researcher within the MoNOE project (*Methodenentwicklung für die Gefährdungsmodellierung von Massenbewegungen in Niederösterreich*) at the University of Vienna (Department of Geography and Regional Research), in cooperation with the *Land Niederösterreich*.
- Main activities include: Handling and integrating a landslide database into predictive modeling using statistical techniques.
- Re-evaluation of old landslide prediction model currently used in spatial planning and urban development, over newer landslide data to determine the quality of old predictive models.

R ArcGIS Pro QGIS Git

Sep 2019 - Sep 2021 **Data Scientist; GIS** **Ubiq**

- Elaboration of spatial and temporal dynamic models for shared mobility demand-prediction.
- Maintaining and optimizing data pipeline models for car and moped fleets in cities like Berlin, Budapest, Viena, Dubai, Washington DC, between others.
- Large database pre-processing, engineering and preparation to building demand-prediction algorithms.
- Elaboration of KPIs and other impact measurement assessments.
- Historic data analysis for reports and presentations with clients.
- Storytelling and data visualization.
- Participation in hiring processes.

R SQL FME QGIS Git

Relevant education and trainning

2015 - 2022 **PhD in Physical Geography** **ENGAGE group - UNIVIE**

Thesis: *"Landslide prediction mapping at varied scales.Methodological designs adaptations to better cope with common input data-related challenges".*

- 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.

R ArcGIS Pro QGIS LaTeX Git

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

ArcGIS QGIS EXCEL

Linux and First Steps on the VSC-3 Cluster Microsoft Power BI Data Analyst - Training R - Advanced International Summer School on Geospatial Data Science Using R

etc...

Other interests

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