Pedro Henrique Muniz Lima, PhD

Data Analyst / Scientist

Nationality: Brazilian.

Location: Vienna, Austria

VISA: Open labor market access (EU).

📱 (43) 680 1152366
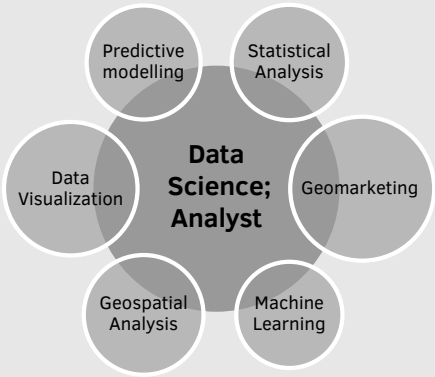
🌐 My website - *under construction*

✉ pedrohe@gmail.com

in /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 at the University of Vienna (Department of Geography and Regional Research), and in co-operation 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.

  R   ArcGIS Pro   QGIS   Git

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

- 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.

  R   SQL   FME   QGIS   Git

| Jan 2013 - Dec 2013 | **Environmental and GIS analyst** | **Terranova Projetos ambientais** |

  ArcGIS   MS Office   Field survey   EXCEL

Relevant education and trainning

| 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.

  R   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   *ongoing*
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

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