Antony Barja

GIS analyst and developer

`#R` `#QGIS` `#GEE` `#Python` `#linux`

Contact

🏠 ⬛ ✉ 🐦 💬

Hello! I am a spatial data scientist in development in the **Healthinnovation Lab** at the Universidad Peruana Cayetano Heredia - Peru. I am currently a GIS analyst and developer. My work environment involves spatial data analysis and spatio-temporal modeling with focus on spatial epidemiology. My main skills are the use of different free and open source geographic information technologies.

Languages

Spanish: Native
English: Intermedio (Learning)

Software

📖 **Package {rgee} - Available on CRAN** - Co-Author.

📖 **Package {innovar}** - Author, maintainer.

Skills

Q QGIS
Ⓡ R
G EarthEngine
⌘ Bash
🗄 PostgreSQL
🐧 Linux
🐍 python
HTML
CSS
Js Js
M↓ Markdown
⑂ Git
GitHub

💼 Work

Current | 2022	**National Institute of Agricultural Innovation (INIA)** Ministry of Agriculture and Irrigation Thesis student of pregrade 📍 Lima, Peru

| Current \| 2021 | **Healthinnovation Lab**
 Cayetano Heredia Peruvian University
 Data analyst and researcher in development. My main activities:
 • Participant in research projects related to the spatial analysis of epidemiological diseases such as faliciparum and vivax malaria in the Peruvian Amazon.
 • Participant in the development of reproducible tools (package) in `R`.
 📍 Lima, Peru |

| 2020 \| 2019 | **German Red Cross**
 GIS analyst of the Forecast Based Financing project led by the German Red Cross and the Peruvian Red Cross. This project aimed to bring humanitarian aid as a preventive measure to the most vulnerable places in Peru in the face of the possible occurrence of high impact hazards such as frost, snowfall and floods. Among my main functions were the following:
 • Collection, modelling, analysis and formation of geo-referenced databases in `R`.
 • Elaboration of the Risk Index for municipal intervention in the face of extreme hazards (colds, snowfall, floods, ENSO).
 • Automation in the generation of statistical reports using `R` or `Python`.
 📍 Lima, Peru |

👥 Selected talks

2022	**useR! 2022** Gabo Ganoa; Antony Barja Programando scripts de R para QGIS Processing 📍 Lima, Peru
2021	**MasterGIS day 2021** Cambiando paradigmas en la visualización de datos espaciales - Youtube video 📍 Lima, Peru
2020	**GISTalk 2022** Software libre para GIS - Youtube video 📍 Huancayo,Peru

🎓 Education

2019 | 2014	**Bachelor degree in Geographic Engineering** School of Geographic Engineering – Main National University of San Marcos (UNMSM) 📍 Lima, Peru

Resume made with 💜 and [Quarto](). Last updated on Oct. 10, 2022.

Code available on ⭘ [GitHub]().

License: [CC BY-SA 2.0]().