Juan Sebastián Mendoza Páez

Forest engineer with a passion for spatial data analysis and data visualization. Proficient in R, Python and GIS software, leveraging them alongside statistical techniques to extract valuable insights from diverse geospatial datasets and drive data-driven decision-making.

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🏴 Colombian
📱 3228881349

Languages

English

› TOEFL : 91/120

German

Education

Forest Engineering — Universidad Nacional de Colombia Medellín

From August 2016 to June 2023

Certified course in programming skills with emphasis in web development — Universidad de Antioquia Online

From March 2021 to December 2021

Training in the programming languages Python, Java, JavaScript and web development libraries such as React.

Certified course in artificial Intelligence — Universidad Sergio Arboleda Online

From May 2022 to July 2022

Introduction to artificial intelligence techniques with emphasis in machine learning methods.

Academic interests

Climate Dynamics

Remote sensing

Forest modeling

Spatial analysis

Data visualization

 @jsmendozap

Software skills

R

- Solid knowledge of importing, manipulating, analyzing, modeling, and communicating processed information in this language.
- Ability to manipulate and process spatial data and integrate it with other GIS tools such as QGIS.
- Capacity to build dashboards using shiny package.

Python

- Proficiency with geopandas and rioxarray libraries for working with geospatial data.
- Familiarity with scikit-learn and TensorFlow libraries to implement machine and deep learning techniques.

JavaScript

- Proficiency with the React library for building web applications.

Work experience

Satellite Imagery Analyst — Universidad de Antioquia Medellín

From August 2023 to December 2023

Contribution to the development of algorithms for processing satellite imagery in a project aimed at classifying land cover using deep learning techniques.