Personal Website:
hendrixperalta.github.io

Hendrix E. Peralta Gomez

Japan, Tokyo, Komae-shi, 2-32-14

SKILLS:

- R / Python / SQL
- ML: Regression, Clustering
- Remote Sensing Data
- Statistical Analysis
- Spatial Econometrics
- Tableau

EXPERIENCE:

Maintenance Engineer (Nov. 2018 - Oct. 2021)
Grupo Rojas Packaging - Maintenance department

- Restructured the spare parts inventory data and created a new “spare part in/out” documentation process linked to the database. These changes made the search for spare parts easier and allowed us to assess current and future availability more precisely, resulting in a data-driven approach to spare parts management and a decrease in machine maintenance stops by 20%.

Design Analyst (Jun. 2017 - Aug. 2018)
Quala Dominicana – Projects department

- Designed a new beverage production line layout, including electricity, water, and air supply systems. The final design saved 40% of the project's designated space, allowing for the line's future expansion.

Technical Assistant (Nov. 2013 - Jun. 2017)
INTEC – Industrial processes laboratory

- Industrial Processes laboratory instructor.
- In collaboration with the head of the laboratory, I created the instructor guide for the “Industrial Process II” and “Computer-Aided Design and Manufacture” courses, standardizing their content and evaluation assignments.

Linkedin: www.linkedin.com/in/hendrix-peralta-174597a3/
Website: hendrixperalta.github.io/ (Previous projects)

2025/04/25

EDUCATION:

2023 – 2025	**M.A. Development Economics and Policy Management** Nagoya University
2022 – 2023	**Research Student** Nagoya University
2013 – 2018	**B.E. Mechatronic Engineer** Santo Domingo Technological Institute (INTEC)

HIGHLIGHTS:

- Proficiency in geospatial analysis and causal inference statistical methods: Difference in Differences, Synthetic Control, SLX, SAR, SDM.
- Proficiency in statistical and geospatial analysis tools: R, Python, Pandas, Scikit-Learn, Geopandas, SQL, Tableau, GEE.
- Determined the predictive power of satellite images on sustainable development in Bolivian Municipalities using various machine learning regression models (Ridge, Lasso, ElasticNet, Random Forest).
- Classified Bolivian municipalities into analytical regions according to their sustainable development vulnerabilities using machine learning (K-means, Agglomeration).
- Data Analyst certification - Python (Datacamp.com).
- Project Management Course.
- Languages:
  English (business),
  Spanish (native),
  Japanese (conversational)