

ARMEL SOUBEIGA

ML ENGINEER

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📄 [armelsoubeiga.github.io](https://github.com/armelsoubeiga) 🎓 [ResearchGate](https://www.researchgate.net/profile/Armel-Soubeiga) 🏠 France



Profile

I interests in real-world applications of Machine Learning and data Mining for software engineering. My research centers on innovative clustering methods.

🌐 I maintain [Data Science Blog](#) - @ I contribute to [open source software](#) - 📄 I wrote [web scraping with R](#)



Experience

present
↑
04-2022

Research Scientist

LIMOS, Clermont-Fd - France

- Clustering for trajectories analysis application in health.

03-2022
↑
09-2019

Data Scientist

RCTs, Lyon - France

- Developed AI-based healthcare path analysis algorithms with national health data.
- Developed interactive data visualization tools.
- Created ML algorithm documentation for validation and upkeep.

11-2017
↑
12-2016

Data Manager/Analyst Consultant

Centre Muraz & World Bank, Burkina Faso

- Quality control: developed data collection tools using Cspiro.
- Quality assurance: implemented bash scripts to validate data compatibility with STATA software.



Education

present
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2022

PhD student in Machine Learning

Clermont Auvergne University, France

2019
↑
2017

Master in Statistics and Data Science

Grenoble Alpes University, France

2016
↑
2013

Bachelor in Statistics and Computer Science

Nazi Boni University, Burkina Faso



Projects

07-2023

evclust — 🌐

Evidential c-Means Clustering for python library. Various clustering algorithms that produce a credal partition.

05-2023

Wax-MNIST — 🌐

Wax-MNIST is an image dataset created for ML. It is represent colored patterns found on African fabrics.



Strengths

👤 **Teaching Assistant**, Statistics - Data Science: [Teaching Page](#)

⚙️ **Online Course and Certification**, Machine Learning - Text Mining - etc : [Show More](#)

🏆 **1st Place**, Best rural project (2020): enhancing chicken farming through AI



Skills

Clustering Google Cloud
Feature Engineering Docker
Predictive Modeling Classification
PowerBI Explainability
Google Dash Interpretability
Web Scraping Trajectory analysis
Data Analysis Statistical Analysis
Dimensionality Reduction
Regression Big Data



Coding

Python R Sas SQL
Tensorflow Scikit-Learn Spark Git



Languages

French Fluent
English Working proficiency



Others

- Activities — 🚶 🏹 🚴
- Persistence & Loyalt — ❤️
- [MSc volunteer tutor](#) — 📄
- Participation In conferences