

WISSAM DRAOU

Data Scientist / Machine Learning Engineer


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 <https://github.com/wissamdr6>

 Ile de France, France

EXPERIENCE



Data Scientist

Urssaf Caisse nationale

09/2024 - 09/2025

Montreuil, France


Designed a time series model to forecast regional production with an **average accuracy of 95%**.

Developed an NLP model automating semantic search between audit objectives and report contents, **reducing a one-week task to 4 min.**

Created and automated Python dashboards, **reducing weekly reporting time from 2 hours to 46 sec.**

Led a Python/AI user club within the department: presented best development practices, shared reusable scripts, and supported teams in upskilling on these tools for their projects.

**Technical environment:** Python (pandas, polars, NumPy, scikit-learn, statsmodels, spacy, NLTK, Sentence Transformer), R (fable, forecast, dplyr, tidyr), Jupyter, RStudio, Power BI, GitHub, Docker.



Data Analyst

Air France

09/2023 - 09/2024


Roissy en France, France

Developed an unsupervised Machine Learning model to select cabin crew: standardized scoring, ensured consistent evaluation, achieved **95% manager satisfaction, and reduced a one-week process to 3 min.**

Implemented Power BI dashboards to visualize performance and support decision-making..

Created and automated SQL queries.

**Technical environment:** Python (pandas, polars, scikit-learn, prince), SAP BO, Power BI.



Statistical Research Officer

Urssaf ile de france

09/2022 - 09/2023

Dammaries les Lys, France

Developed a Machine Learning model identifying three profiles of repeat contributors, **achieving 94% accuracy**. This enabled proactive targeted actions, **reducing recurring requests handled by managers by 22%.**


Implemented and automated dashboards.

Created and automated SQL queries.

Conducted data exploration and preparation (data cleaning and feature engineering).

**Technical environment:** Python (pandas, NumPy, scikit-learn), SQL, Cognos Analytics, Power BI, Jupyter, Excel.

EDUCATION




Master's Degree in Machine Learning for Data Science

Université Paris Cité (University of Paris Cité)

10/2023 - 09/2025

Paris, France




Bachelor's Degree in Data Mining

Université Paris Cité (University of Paris Cité)

09/2022 - 09/2023

Paris, France



University Diploma of Technology in Computer Science

Université Paris Cité (University of Paris Cité)

09/2019 - 09/2021

Paris, France

PROFESSIONAL PROFILE

Innovative, business-oriented Data Scientist with expertise in NLP and forecasting. I have developed reliable solutions that drastically reduce processing time and facilitate decision-making. With a deep understanding of user needs and strong cross-functional collaboration, I contribute to deploying data-driven solutions that deliver measurable value.

SKILLS

Technical Stack

Python

FastAPI

Pandas

NumPy

Transformers

NLTK/spaCy

TensorFlow

Sklearn

PyTorch

R

SQL

Git

Linux

Docker

Power BI

Data Science

Machine Learning

NLP

Deep Learning

Computer vision

Time Series

Computing

Data Engineering

Pipelines

Data Preparation

Automation

Data Analysis

Data visualization

Cross-Functional

Project Management (from scoping to deployment)

Presenting studies to business teams


Keeping up with Data technologies


LANGUAGES

English

B2

INTERESTS

 Wrestling

 Travel