

Data Scientist | Machine Learning & Econometrics

Experience

Data Analyst

AMSE Junior Data Analysts
Oct 2025–May 2026

Translated partner needs into analytical questions and indicators, producing dashboards, analytical notes and decision-ready reporting.

Quantitative Research Assistant

Aix-Marseille School of Economics
May–Jul 2025

Conducted applied empirical research across macroeconomics, energy and labour economics, developing and validating econometric and forecasting models from data preparation to reproducible reporting.

Data Quality Assistant

Caisse d’Epargne CEPAC
Jul–Aug 2024

Built controls for operational and risk datasets, reconciling records, investigating inconsistencies and structuring recurring data-quality monitoring with SQL and Excel.

Projects

Airbus Helicopters

3D LiDAR Obstacle Detection

Co-developed a geometry-based LiDAR pipeline for ~575M 3D points, combining clustering and lightweight machine learning algorithms under constrained compute.

CENTURI Living Systems

Animal Behaviour Recognition

Co-developed a computer-vision pipeline extracting pose and motion features from annotated video for behavioural classification.

Ipsos

Digital Marketing Adviser

Co-developed a LangGraph workflow coordinating Analyst, Strategist and Designer agents, with structured hand-offs, Chainlit context management and containerised execution.

Aix-Marseille School of Economics

Sovereign Spread Regimes

Modelled Austrian and Spanish sovereign spreads relative to German yields using extreme-value methods, copulas and Markov switching to analyse dependence and regime persistence.

Education

2024–2026

Master’s in Data Science, Big Data & Econometrics

Aix-Marseille School of Economics (AMSE) · Aix-Marseille University
SELECTED COURSEWORK Econometrics / Statistical learning / Time series / Causal inference / Nonparametric statistics / Dynamics / Risk

2021–2024

Bachelor’s in Economics & Finance

Faculty of Economics and Management · Aix-Marseille University
SELECTED COURSEWORK Microeconomics / Macroeconomics / Game theory / Statistics / Optimization / Finance

2019

French Baccalaureate · Economics & Social Sciences · Mention Bien
Lycée Saint-Charles Camas, Marseille

Skills

PROGRAMMING

Python SQL R Julia

DATA SYSTEMS

NumPy Pandas PostgreSQL Spark

MACHINE LEARNING

scikit-learn LightGBM XGBoost PyTorch

QUANTITATIVE

econometrics time series causal inference

ENGINEERING

Git Docker FastAPI Ray

Languages

FR French
C2

EN English
C1

ES Spanish
B1+

AR Arabic
B2