

# Ayman YAYA

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Looking for an internship in DATA : [Github](#)

## EDUCATION

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### Paris-Dauphine PSL University ,

- **Master's Degree in Mathematics and Computer Science – major in Statistics**
- Ranked 3rd French master's in Computer Science and 24th worldwide by the QS World University, 2025
- Relevant courses: Inferential statistics, Stochastic Calculus and Financial Mathematics, Machine Learning, Project Management

2024-2025  
Paris 16, France

### Paris-Nanterre University,

- **Master's Degree in Statistical and Economic Engineering of Finance, Insurance and Risk**
- Relevant courses: Inferential statistics, Stochastic calculation, Regression models, Time series, Data-mining:classification, VBA, Excel, Python, Software (SAS, R, Latex) , Project Management

2022-2024  
Nanterre, France

### Paris-Nanterre University,

- **Bachelor in Applied Mathematics and Computer Science ('licence' in 3 years)**
- Relevant courses: Linear Algebra, Statistics, Probability, Analysis, Algorithmics and Programming, Database, Software, Microeconomics, Macroeconomics

2019-2022  
Nanterre, France

## RELEVANT WORK EXPERIENCE

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### Santander BANK,

#### Data Analyst | Credit Risk, Apprenticeship

- Participation in the development of the risk decision-making system.
- Construction and automation of reports.
- Monitoring of credit risk behavior.
- Participation in risk monitoring at granting.

2022-2024  
Levallois, France

### AsaTech,

#### Data Modeling analyst, Internship (3 months)

- Collect and preprocess data to ensure consistency and usability.
- Build and apply predictive and statistical models for analysis.
- Design dashboards and visualizations to present key insights.
- Recommend data-driven solutions to improve processes and outcomes.

Summer 2022  
Colombes, France

### Association CCL,

#### Mathematics Teacher, Volunteer

- Mathematics homework help and Advice on their directions.

2019-2021  
Courbevoie, France

## SCIENTIFIC PROJECTS

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### Data Science Project,

#### Phone Price Prediction| Python

- Built a predictive model to estimate phone prices using machine learning techniques.
- Conducted exploratory data analysis to identify trends and prepare the dataset for modeling.
- Tested and compared models such as Linear and Polynomial Regression, Ridge, Lasso, Decision Trees and Random Forests, selecting the best based on RMSE and R<sup>2</sup> scores.

### Time Series Project,

#### Analysis and Forecasting of Temperature Time Series | Rstudio

- Conducted a detailed analysis of 13 years of daily temperature data to identify trends and seasonality.
- Transformed and stationarized the time series, applying ARIMA modeling to capture temporal dependencies.
- Predict future temperature patterns with a model minimizing AIC, demonstrating strong predictive capabilities.

### Database management system | SQL

- Executed SQL queries (LDD | LMD | LID) to create, manage and manipulate a database structure.

## INTERESTS AND SKILLS

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### LANGUAGES

**French** (Native), **English** (Fluent), **Arabic** (Fluent)

### IT QUALIFICATIONS

**Programming** ( Python, R, SQL, SAS), **BI Tools** ( Excel, VBA, PowerP, PowerBI)

### INTERESTS

**Running** : Currently training for an Ironman, a high-intensity endurance competition, **Boxing**