
Summary Profile

Ph.D. student in Economics at UQAM with hands-on research experience in development economics, international taxation, and education policy across multiple African and European institutions.

Experienced in econometric modeling, impact evaluation, and data science applications (Python, R, Stata) with a strong foundation in applied macroeconomic and microeconomic analysis.

Skilled in survey design, data visualization, machine learning, and working with large datasets for evidence-based policy and development research.

Proven leadership and organizational skills through academic and extracurricular roles including event organization, student representation, and tutoring.

Professional Experience

Research Assistant in Economics and Statistics

Mar. 2024 – Aug. 2024

Department of Sociology & Economics of Networks and Services (Orange), Paris, France

- Big Data processing with Python & R: data cleaning, database merging (fuzzy matching, Sharpe method), data visualization and statistical analysis.
- Document processing automation using Python (Tesseract OCR).
- Development and implementation of a PDF text scraping model.
- Design of impact evaluation protocols (RCT, DID, IV, RDD).
- Design of quantitative and semi-structured survey questionnaires.

Research Assistant – Economic Analysis

May 2023 – July 2023

Laboratory for Statistical Analysis Applied to Economic Research, Casablanca, Morocco

- Study of the socio-economic determinants of urban water consumption, contributing to sustainable resource management research.
- In-depth literature reviews and creation of relevant indicators for empirical analysis.
- Survey data cleaning and preprocessing (R & Stata), ensuring model reliability.
- Statistical analysis (Chi-square tests) and estimation of logit/probit models to assess the impact of socio-economic factors.

Administrative Assistant – Research Logistics

Jan. 2025 – April 2025

Université du Québec à Montréal, Montreal, Canada

- Data entry in collaboration with the Rectorate for the collection and centralization of faculty scientific publications.
- Contributed to the creation of a research database for ESG UQAM.

Teaching Assistant

Dec. 2024 – April 2025

Université du Québec à Montréal, Montreal, Canada

- Graded undergraduate-level assignments and exams in macroeconomics.

Private Tutor in Statistics (Bachelor level)

Feb. 2023 – May 2023

Anacours, Clermont-Ferrand, France

- Provided individualized support to undergraduate students in economics and management.
- Taught core concepts of descriptive statistics, including means, medians, variance, and standard deviation.
- Guided students in interpreting data tables and graphical representations.
- Adapted teaching methods to meet students' academic needs and levels.

Academic Background

Ph.D. in Economics <i>Université du Québec à Montréal (UQAM)</i>	2024 – 2028 (Expected) <i>Montreal, Canada</i>
Master's in Economics <i>Université Clermont-Auvergne (CERDI)</i>	2022 – 2024 <i>Clermont-Ferrand, France</i>
Bachelor's in Economics and Management <i>Université Hassan II</i>	2018 – 2021 <i>Casablanca, Morocco</i>

Technical Skills

- **Languages & Software:** MATLAB, Python, R, STATA, Power BI, GAMS, QGIS, MS Office Suite, LaTeX editor.
- **Supervised Machine Learning:** Linear and polynomial regression, logistic regression, k-NN, SVM, decision trees, random forests, XGBoost, LightGBM.
- **Unsupervised Machine Learning:** k-Means, DBSCAN, hierarchical clustering, PCA, t-SNE.
- **Time Series Analysis:** ARIMA models, stationarity, exponential smoothing, forecasting.
- **ML Tools:** scikit-learn, Keras, pandas, NumPy, matplotlib, seaborn.

Selected Research Projects

For detailed descriptions, code repositories, and data visualizations related to the following projects, please visit my *personal website*, *GitHub*, or *LinkedIn profile*.

Chinese Financial Flows and Economic Growth in Recipient Countries
Socio-behavioral Determinants of HIV Prevalence in Namibia
Geospatial Analysis of Conflict Data
Education Production Function and Student Performance Analysis in West Africa
Macroeconomic Time Series Forecasting

Interpersonal Skills

Communication, Adaptability, Teamwork, Creative Problem Solving, Organizational Leadership

Certifications

Data Science with R, **DataCamp**, 2023.
Project Monitoring and Evaluation, **AFD**, 2024.

Awards & Scholarships

ANAB (Nigerien Agency for Scholarships and Grants): Master's scholarship (2022–2024).
Merit Scholarship IDGT SFRI CAP 20-25 (2023–2024).
Erasmus International Mobility Grant for Internship (2023).

Languages

French: Native **English:** Fluent **Hausa:** Native

Activities and Interests

President, 10th Scientific, Sports, and Cultural Week (2021)

- Oversaw and coordinated the entire event.
- Managed logistics and partner engagement.

Member, Department of Economics Program Committee (2024 – Present)

- Student representative contributing to discussions on course structure, assessment, and admissions.
- Collaborated with faculty and administration to enhance academic program quality.

University Basketball and Football Team Member (2019)

Chess Club Member (University)

References

Dr. Virginie Comblon
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Researcher at Orange Innovation Research Lab

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