N'guessan Kouakou Ezékiel TANO

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PROFIL

Applied economist specialized in econometrics and public policy, recently graduated, and serves as a research assistant. My research interests focus on macroeconomic policy, development finance, environmental economics, and applied econometrics, with research experience on sovereign debt and environmental economics issues. With strong technical skills in R, advanced econometrics, and data analysis, I aim to contribute to empirical research projects within academic institutions or international organizations (RA, Predoc, PhD).

EDUCATION

Paris School of Economics (EHESS—ENS-PSL—ENPC)   Paris, France
Master of Research in Applied Economics— Public Policy and Development   *Sept. 2023 – Jun. 2025*

National School of Statistics and Applied Economics   Abidjan, Côte d'Ivoire
Master of Science—Diploma of Engineer Statistician Economist   *Oct. 2020 – Aug. 2023*

University Alassane Ouattara   Bouaké, Côte d'Ivoire
Master of Arts in Economics—Economic policies and modeling   *Oct. 2020 – Aug. 2023*

EXPERIENCES

Research Assistant – Paris School of Economics   Paris, France
Supervised by Prof. Nicolas Astier   *Jan. 2026 – Present*

- Data collection and cleaning; Recover long time series (either at a monthly or yearly granularity, depending on the variable) of realized consumption, production, costs, and other relevant outcomes of the electricity sector.

Research Assistant –Center for International Development(CID) - Harvard University   Remote, France
Supervised by Dr. Gomez Agou   *Sept. 2025 – Present*

Core Research Themes: *Sovereign Debt Sustainability - Political Economy of Youth Employment in Africa.*

- Conduct full-cycle empirical research on post-HIPC sovereign debt distress in African economies, from dataset construction (IMF, World Bank, UN) to regression (probabilistic models) modeling and analysis of relapse determinants.
- Construct and analyze cross-country datasets to quantify the mismatch between labor market entry and formal job creation, and to explain the phenomenon of jobless growth across African economies.
- Investigate the interplay between economic growth, demographic trends, and fiscal sustainability using applied econometrics.
- Investigate the link between youth unemployment and political instability, including declining trust in institutions, and document the growing skepticism toward Western and multilateral economic models.
- Examine systemic constraints on job creation, including skills mismatches, financing gaps for SMEs, and the impact of global economic rules on domestic industrial policy space in Africa.
- Lead a team of research assistants in building complex datasets and executing econometric workflows.
- Produce publication-ready figures, replication files, and documentation while contributing analytical content to academic, policy, and public-facing outputs (seminar materials, working papers, policy briefs).

Econometrician Analyst (internship) – Directorate of Parc National des Forêts de France   Paris, France
Supervised by Margaux Jacob and Prof. Tina Rambolinaza   *May. 2024 – Sept. 2024*

- Assessed literature review on the social impact of renewable energy projects on citizens' well-being.
- Designed a Discrete Choice Experiment (DCE) survey, from conceptualization to questionnaire development.
- Conducted micro-econometric analysis of revealed preferences using discrete choice models (e.g., Logit, Mixed Logit).
- Prepare a research working paper detailing the experimental methodology, results, and policy implications.

SKILLS AND INTEREST

- **Software:** R (advanced), Python (Intermadiate), LaTeX, Git/Github
- **Languages:** English (*Proficient*), French (*Native*).
- **Macroeconomic Analysis:** Short-term forecasting, time series modeling (ARMA, ARIMA, VAR), and policy evaluation using IMF, World Bank, and national datasets.
- **Data, Econometrics and Machine Learning (Econ):** Causal inference (FE, IV, DiD), bootstrap, Monte Carlo simulation; Regularized linear models (Lasso, Ridge, Elastic Net), Double ML, tree-based ML, GenericML for treatment heterogeneity.

RESEARCH and APPLIED ACADEMIC PROJECTS

Research Project (Master's Thesis) – Paris School of Economics — May. 2025 – Aug. 2025
Under the supervision of Prof. Matthew Gordon — *Paris, France*

Title: *"Crop choice and diversification and the adaptation to climate change in developing countries".* Master's Thesis
- Estimated causal impacts of crop choice diversification to climate shocks using fixed effects and temperature-bin regressions.

Financing Development - Paper on Debt-for-Development in Developping countries — Mar. 2025 – Apr.2025
Worked under the supervision of Dr Ishac Diwan, Martin Kessler, and Brendan Harnoys-Vannier — *Paris, France*

Title: *Evaluating Reprofiling and Education-Linked Swaps in Côte d'Ivoire.* Report
- Evaluated debt reprofiling and debt-for-education swap strategies, quantifying fiscal savings and education outcomes.

Machine Learning in Economics Project: Facilitating Savings for Agriculture — Feb. 2025 – Mar. 2025
Under the supervision of Prof. Philipp Ketz — *Paris, France*
- Extended Brune et al. (2016) by analyzing agricultural expenditure as a key investment target and identifying household size as a significant treatment heterogeneity factor. Report

Natural Resources and Development Project: Research Proposal based on book reading — Sept. 2024 – Dec. 2024
Worked under the supervision of Prof. François Libois — *Paris, France*
- **_Proposal:_** *To what extent does photoperiod stability affect GDP growth and sectoral productivity, in tropical economies?* Proposal

Research Assistant – Directorate of Parc National des Forêts de France — May 2024 – Aug. 2024
Worked under the supervision of Margaux Jacob and Prof. Tina Rambolinaza — *Paris, France*
- Conducted a literature review and designed a Discrete Choice Experiment (DCE) to elicit preferences for renewable energy policy, followed by data analysis and contributions to drafting key empirical findings. Internship Report

TEACHING EXPERIENCE

Teaching Assistant - Université Paris 1, Panthéon Sorbonne — **Paris, France**
In charge of tutorials of Mathematics (Algebra) for Prof. Bagio Spécial and Toure Nouhoun — *Sept. 2025 – Dec. 2025*
- Prepare and teaching tutorial for Undergraduate (Licence 2).
- Prepared and supervised mid-term and final exams, and corrected student papersheets.

Teaching Assistant - Université Paris 1, Panthéon Sorbonne — **Paris, France**
In charge of tutorials of Macroeconomics and monetary policies for Prof. Sandra Poncet — *Sept. 2024 – Dec. 2024*
- Prepare and teaching tutorial for Undergraduate (Licence 3).
- Prepared and supervised mid-term and final exams, and corrected student papersheets.

Teaching Assistant - Université Paris Cité — **Paris, France**
In charge of tutorials of Political Economy Prof. Allain Olivier — *Sept 2024 – Dec 2024*
- Prepare and teaching tutorial for Undergraduate (Licence 2).
- Prepared and supervised mid-term and final exams, and corrected student papersheets.

Teaching Assistant - Université Paris 1, Panthéon Sorbonne — **Paris, France**
In charge of tutorials of Mathematics (Algebra) for Prof. Bagio Spécial and Toure Nouhoun — *Sept. 2024 – Dec. 2024*
- Prepare and teaching tutorial for Undergraduate (Licence 2).
- Prepared and supervised mid-term and final exams, and corrected student papersheets.

REFERENCES

- **Dr Gomez AGOU :** Harvard Center for International Development - Senior Fellow —gomezagou@hks.harvard.edu
- **Prof. Matthew GORDON :** My Master's Thesis Supervisor, at Paris School of Economics —matthew.gordon@psemail.eu
- **Dr. Lewis Landry GAKPA :** Researcher and Lecturer at ENSEA d'Abidjan — gakpalewis@ensea.ed.ci