

FANSA KONÉ

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SUMMARY

I am a PhD candidate in Economics with a solid background in Statistics. I have over 5 years of work, teaching, and research experience. Since December 2022, I have served as a consultant at the World Bank Group, and from December 2023 to May 2024, I held a consultant position at UNICEF. My expertise lies in macroeconomics, applied econometrics, and I have strong experience working with household survey micro data. I also have a strong interest in Machine Learning. Besides my technical skills, I have excellent leadership and communication skills.

EDUCATION

PhD candidate in Economics University of Montreal, CIREQ, Canada	<i>2019-2025 (e)</i>
MSc in Statistics and Economics (ISE) Ecole Nationale Supérieure de Statistiques et d'Economie Appliquée (ENSEA), Côte d'Ivoire	<i>2016-2019</i>
Intensive two-years BSc program, Mathematics and commercial studies Institut National Polytechnique Félix Houphouët Boigny (INPHB), Côte d'Ivoire	<i>2014-2016</i>

EXPERTISE

Macroeconomics: *Public Finance, International Trade, Climate Change, DSGE Modeling*

Applied Econometrics: *Causal Inference (IV, Events Studies, Synthetic Control, etc), Impact Evaluation, Economic Forecasting, Panel Data and Time Series Analysis etc.*

Machine Learning: *Random Forests, Neural Networks, Lasso, Ridge, Textual Analysis (basics) etc.*

PROFESSIONAL EXPERIENCE

World Bank consultant	<i>2022-present</i>
<ul style="list-style-type: none">• Fiscal Incidence Analysis: studying the effect of taxes and social transfers on poverty and inequality, with a focus on gender impacts in Togo and Guinea (E-CEQ)• Analysing the impact of the Russian's invasion of Ukraine on the well-being of households in Guinea• Writing of the reports and their presentation materials (Guinea and Togo)• Training government officials in E-CEQ modeling (Guinea and Togo)	
UNICEF consultant	<i>December 2023-May 2024</i>
<ul style="list-style-type: none">• Development of the first tax benefit microsimulation model based on EUROMOD methodology tailored for Kazakhstan (KAZAMOD)	

- Writing the country report and a policy brief of the tax benefit system, aimed at providing strategic guidance for the implementation of the nation's tax benefit system reform
- Trained government officials on using the built model KAZAMOD

Internship and research assistant

2018-2019

- Dynamic mean-variance portfolio for the regional stock exchange (BRVM), with Arsène Brou, ENSEA 2019, supervised by Nathaniel Gbenro
- Analysed monetary policy transmission channels in West African Economic and Monetary Union (WAEMU) countries, supervised by Amina Coulibaly
- Applied quantile regression to examine the determinants of maize yield using household survey in Cote d'Ivoire, Internship at ENSEA 2018, supervised by Jean Mark Kouadio
- Participated in the design of survey instruments, data collection, and data processing for household living conditions in Toumodi (Côte d'Ivoire), ENSEA 2018

RESEARCH

Research in Progress and Working Papers

- Balanced Budget Rule and Economic Growth
- Trade, Shocks Transmission, and Monetary Policy in a Regional Trade Agreement, with *Régis Kouassi*
- WAEMU facing AfCFTA: implications for trade and monetary policies, with *Régis Kouassi*
- Transition to Renewables and Public Debt Sustainability, with *Lucien Chaffa* and *Kodjo Koudakpo*

Policy papers/reports

- The effects of progressive personal income tax and targeted social assistance reforms on revenue collection, poverty, and occupations in Kazakhstan, with *Mohamed Coulibaly*, *policy brief*, UNICEF May 2024
- KAZAMOD Country Report: 2022 (first EUROMOD-based microsimulation model in Kazakhstan), with *Mohamed Coulibaly*, *Yersultan Tamabekov*, and *Arman Umerbayev Kazakhstan*, UNICEF May 2024
- Engendered Commitment to Equity (E-CEQ) Fiscal Incidence Analysis in Guinea, with *Mohamed Coulibaly*, *Aissatou Ouedraogo*, and *Kadidia Koné*, *World Bank*
- Engendered Commitment to Equity (E-CEQ) Fiscal Incidence Analysis in Togo, with *Mohamed Coulibaly*, *Aissatou Ouedraogo*, and *Kadidia Koné*, *World Bank*

TEACHING

Lecturer

2021-present

- Initiation to economics; Fall 2024, Fall 2023, Fall 2021
- Economics data analysis; winter 2023

Teaching assistant

2020-

- Advanced macroeconomics (PhD); Winter 2022, 2023, 2024 for professor Guillaume Sublet
- Special topics in money and banking; Fall 2022, 2023 (graduate level) for professor René Garcia
- North American economics; Winter 2021, for professor Vasia Panousi

- International Finance; Fall 2020, for professor Emanuela Cardia
- International trade; Fall 2020, for professor Abraham HOLLANDER
- Introduction to Microeconomics (Winter 2024)
- Principles of economics; Winter, Summer, Fall 2022 (Online, undergraduate)
- Economics data analysis; Fall 2021 (Online, undergraduate)
- Introduction to macroeconomics; Fall 2020, Winter 2021

RESEARCH GRANTS, AWARDS AND FELLOWSHIPS

- Fonds de Recherche du Québec Science et Culture (FRQSC) fellowships, ranked 2nd, 2022-2024
- Ph.D. fellowships, Department of Economics, UdeM 2019-2023
- Canadian Economics Association students travel grant, Winnipeg 2023
- CIREQ students travel grant, SCSE conference in Quebec 2023
- Tuition-fee Waiver Scholarship of Graduate Studies, University of Montreal, Canada, 2019-2021
- Excellence Scholarship, Government of Côte d'Ivoire, high school and university scholarship (2011-2019)
- Winner Public Forum Debate, with a team ENSEA (2019)
- Awards "meilleure plume", Writing competition, ENSEA (2017)
- Awards of the best scientist at high school level, received from the Minister of education at Journée National du Mérite et de l'Excellence (JNMEX), Côte d'Ivoire, 2015
- Awards of the best student of high school level at Lycée Mixte I de Yamoussoukro, Côte d'Ivoire, 2014

ACADEMIC SEMINARS AND PRESENTATIONS

- Africa Meeting of the Econometric Society (AFES), Abidjan, Côte d'Ivoire, June 2024
- Canadian Economic Association, Winnipeg, June 2023
- 18th Ph.D. students CIREQ conference, Montreal, May 2023
- Société Canadienne de Science économique, Québec city, Québec, May 2023
- Quebec Social Sciences Ph.D. presentations group, Montreal-online, (September 2021, February 2022, October 2022, April 2023, January 2024)
- Macroeconomics Workshop(regular presentations, since 2022-)
- International Conference of Statistics and Applied Economics (CISEA), July 2019, ENSEA, Abidjan Côte d'Ivoire

PROGRAMMING AND SOFTWARE SKILLS

Programming	Stata, Python, Matlab, Latex; R and Julia (basics)
Statistics and Econometrics	SPSS, Eviews
Microsoft	Excel, VBA, Powerpoint, Word

SELECTED TALKS AND VOLUNTEERING ACTIVITIES

Talk at ENSEA to MSc Students from many Universities in Abidjan

June 2024

PhD in North America: Distinguishing Reality from Misconceptions

Economics PhD student's representative

Fall 2021-2023

Defending and representing PhD students' interests at UdeM, Canada

UdeM ambassador, (Fall 2019, Winter 2020), Passerelle (2020) and Passerelle + (2021)

Helped new students integrate Université of Montréal in the context of the pandemic, Canada

TRAINING AND CERTIFICATIONS

Econometric Society Workshop (AFTW2-2023)

December 2023

Training in Computational Macroeconomics with Jesús Fernández-Villaverde and Pablo Winant

IMF Debt Sustainability Framework Training

July-November 2023

Debt Sustainability for Low-Income Countries Course by IMF and World Bank

Career Plan and Professional Development

November 2020

Planning and Thinking about Professional Career; by EPSI, Université de Montréal

Certified in Impact Evaluation

2019

Quantitative and Qualitative Techniques for Evaluating Public Policies' Impact; Tany Vao, ENSEA

LANGUAGES, CITIZENSHIP, AND HOBBIES

Languages French (native), English (fluent)

Citizenship Canadian Permanent Resident and Ivorian

Hobbies Soccer, Badminton, Reading, Writing

ABSTRACT OF SOME SELECTED WORKING PAPERS

Balanced Budget Rule and Economic Growth

This paper studies the impact of a Balanced Budget rule (BBR) over the business cycle on economic growth, as adopted in Switzerland's constitution in 2003. First, using a synthetic control method, I find that over the 2003-2018 period, the BBR adoption has been associated with an average annual growth rate that was 0.95% higher in Switzerland compared to a counterfactual scenario without BBR. Second, with a growth accounting, I find that the increase in Switzerland's growth is due to the increase in Total Factor Productivity (TFP), which includes institutional changes such as the adoption of the BBR. Third, based on these results I build an endogenous growth model with a government making inefficient decisions for political reasons. I find that by reducing public debt, the BBR tempers the "crowding-out effect of debt" and frees up resources for private investment in R&D. Additionally, by reducing the service of the debt, it also frees up resources for public investment in R&D. These investments, in turn, foster economic growth through their effect on TFP. The model calibrated to Switzerland shows that the long-term yearly growth effect of the BBR is 1.27 basis points, which compounds to a 3% GDP gain after 30 years.

Trade, Shocks Transmission, and Monetary Policy in a Regional Trade Agreement, with Régis Kouassi

In this paper, we first document that climatic or political shocks in an origin country (or exporting country) affect inflation in the destination country (its importing partner) through trade among African countries. Second, we demonstrate that existing Regional Trade Agreements (RTAs) in Africa have significantly increased trade by 62 to 77 percent from 1995 to 2019. These figures are lower than most estimates in the literature. We address several issues related to estimating the effects of RTAs, namely the selection bias due to many zeros in trade data, their staggered adoption, and their heterogeneous effects across regions. To deal with these issues, we apply a structural gravity model, a Pseudo Poisson

Maximum Likelihood (PPML) method, and a state-of-the-art event study. Third, after showing evidence that trade transmits shocks across African countries and that RTAs significantly increase trade, we develop a theoretical model to discuss the broader implications of regional trade agreements for monetary policy. We use the model to explore how the African Continental Free Trade Agreement (AfCFTA), adopted in 2021, could affect countries' inflation and its implications for their monetary policy.

REFERENCES

Guillaume Sublet (Advisor), *Assistant Professor*, Department of Economics, Université de Montréal 3150, Jean-Brillant street Montréal, QC, H3C 3J7, Canada, [Email: guillaume.sublet@umontreal.ca](mailto:guillaume.sublet@umontreal.ca), [Website](#)

Emanuela Cardia, *Full Professor*, Department of Economics, Université de Montréal 3150, Jean-Brillant Street Montreal, QC, H3C 3J7, Canada Tel: + 1 514 343 6111 #42831, [Email: emanuela.cardia@umontreal.ca](mailto:emanuela.cardia@umontreal.ca), [Google Scholar](#)

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