

# FANSA KONÉ

University of Montreal (UdeM)  
Department of Economics  
3150 Jean Brillant Street, C6070-10  
Montreal (Canada), H3C 3J7

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Email: [fansakone@gmail.com](mailto:fansakone@gmail.com)

Phone: +1 514 561 3741

## SUMMARY

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I am a PhD candidate in Economics with a solid background in Statistics and over five years of work, teaching, and research experience. I have served as a consultant for The World Bank and UNICEF. My expertise lies in Macroeconomics and Applied Econometrics, with a strong interest in Machine Learning. I am proficient in several state-of-the-art causal inference techniques and have experience working with various types of data, including micro and large macro datasets. In addition to my teaching experience, I have delivered several talks and training sessions to government officials, which have equipped me with excellent communication skills. I am team-oriented and have held many leadership positions.

## EDUCATION

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**PhD candidate in Economics** *2019-2025 (e)*  
University of Montreal, CIREQ, Canada

**MSc in Statistics and Economics (ISE)** *2016-2019*  
Ecole Nationale Supérieure de Statistiques et d'Economie Appliquée (ENSEA), Côte d'Ivoire

**Intensive two-years BSc program, Mathematics and commercial studies** *2014-2016*  
Institut National Polytechnique Félix Houphouët Boigny (INPHB), Côte d'Ivoire

## EXPERTISE

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**Macroeconomics:** *Public Finance, International Trade, Climate Change, General Equilibrium Models*

**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.*

## PROGRAMMING AND SOFTWARE SKILLS

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<b>Programming</b>	Stata, Python, Matlab, Dynare; R and Julia (basics)
<b>Statistics and Econometrics</b>	SPSS, Eviews
<b>Microsoft</b>	Excel, VBA, Powerpoint, Word

## PROFESSIONAL EXPERIENCE

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**World Bank consultant** *2022-present*

- 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)
- Training government officials in E-CEQ modeling (Guinea and Togo)

**UNICEF consultant**

*December 2023-May 2024*

- Development of the first tax benefit microsimulation model based on EUROMOD methodology tailored for Kazakhstan (KAZAMOD)
- Trained government officials on using the built model KAZAMOD

#### Internship and research assistant

2018-2019

- 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 EXPERIENCE

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### 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 and Togo, with *Mohamed Coulibaly*, *Aissatou Ouedraogo*, and *Kadidia Koné*, World Bank

## RESEARCH GRANTS, AWARDS AND FELLOWSHIPS

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- Fonds de Recherche du Québec Science et Culture (FRQSC) fellowships, ranked 2nd, 2022-2024
- Ph.D. fellowships and Tuition-fee Waiver Scholarship, Department of Economics, UdeM 2019-2023
- Others: Canadian Economics Association students travel grant (2023), CIREQ students travel grant (SCSE 2023), Excellence Scholarship - Government of Côte d'Ivoire-high school and university scholarships (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)

## TEACHING

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### Lecturer

2021-present

- Initiation to economics (Fall 2024, 2023, 2021) and Economics data analysis (winter 2023)

### Teaching Assistant

2020-

- Advanced macroeconomics (PhD, 2022-2024), Special topics in money and banking (graduate level, 2022,2023), North American economics(2021), International Finance (2020), International trade(2020), Introduction to Microeconomics (2024), Principles of economics (Winter, Summer, Fall 2022), Economics data analysis (2021), Introduction to macroeconomics (2020,2021)

## ACADEMIC SEMINARS AND PRESENTATIONS

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- Africa Meeting of the Econometric Society (AFES - Abidjan - June 2024), Canadian Economic Association (Winnipeg - June 2023), 18th Ph.D. students CIREQ conference, (Montreal - May 2023), Société Canadienne de Science économique (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, ENSEA - Abidjan - July 2019).

## LEADERSHIP, TALKS AND VOLUNTEERING ACTIVITIES

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### Economics PhD student's representative

*Fall 2021-2023*

Defending and representing PhD students' interests at UdeM, Canada

**Others:** Talk at ENSEA to MSc Students from many Universities in Abidjan(June 2021, 2024), Talk to Students at INPHB (online January 2024), Passerelle + (2021), UdeM ambassador(Fall 2020, 2019), Passerelle (2020), ENSEA English Club (2017-2018).

## TRAINING AND CERTIFICATIONS

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### 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

### Certified in Impact Evaluation

*2019*

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

## LANGUAGES, CITIZENSHIP, AND HOBBIES

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<b>Languages</b>	French (native), English (fluent)
<b>Citizenship</b>	Canadian Permanent Resident and Ivorian
<b>Hobbies</b>	Soccer, Badminton, Reading, Writing

## REFERENCES

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Guillaume Sublet (Advisor), *Assistant Professor*, Department of Economics, Université de Montréal  
[Email: guillaume.sublet@umontreal.ca](mailto:guillaume.sublet@umontreal.ca) , [Website](#)

Emanuela Cardia, *Full Professor*, Department of Economics, Université de Montréal  
[Email: emanuela.cardia@umontreal.ca](mailto:emanuela.cardia@umontreal.ca), [Google Scholar](#)

Immo Schott, *Senior Economist*, Board of Governors of the Federal Reserve System  
[Email: immoschott@gmail.com](mailto:immoschott@gmail.com), [Website](#)

Aissatou Ouedraogo, *Economist*, World Bank Group  
[Email: aouedraogo6@worldbank.org](mailto:aouedraogo6@worldbank.org)

If you want to learn more about my research, please visit my website at [fansakone.github.io](https://fansakone.github.io).