

# Komla AVOUMATSODO

Department of Economics | Université du Québec à Montréal

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## RESEARCH INTERESTS

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Macroeconomics, Development Economics, International Trade, Environmental Economics, Applied Econometrics.

## REFERENCES

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- [Pavel Ševčík](#), Associate Professor and chair (UQAM), [sevcik.pavel@uqam.ca](mailto:sevcik.pavel@uqam.ca)
- [Alain Paquet](#), Full Professor and co-chair (UQAM), [paquet.alain@uqam.ca](mailto:paquet.alain@uqam.ca)
- [Sophie Osotimehin](#), Associate Professor (UQAM), [osotimehin.sophie@uqam.ca](mailto:osotimehin.sophie@uqam.ca)
- [Julien Martin](#), Full Professor (UQAM), [martin.julien@uqam.ca](mailto:martin.julien@uqam.ca)

## EDUCATION

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|------------|---|
| 2017–today | <i>Ph.D. in Economics</i> , <a href="#">Université du Québec à Montréal (UQAM)</a> , Canada.<br>Dissertation: Essays on Innovation and Development.<br>Supervisors: Pavel Ševčík and Alain Paquet (Université du Québec à Montréal) |
| 2013–2016  | <i>M.A. in Statistics and Economics</i> , <a href="#">ENSEA</a> , Côte d'Ivoire.<br>Thesis : Financial Liberalization, Financial Development, and Institutions Quality<br>Supervisor: Coffie José N'guessan (CIRES)                 |
| 2009–2012  | <i>B.Sc. in Mathematics and Physics</i> , <a href="#">Université de Lomé</a> , Togo.<br>Concentration : Mathematics   |

## TEACHING EXPERIENCE

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| GRADUATE | <ul style="list-style-type: none"><li>• ECO 9015: Quantitative Methods   <b>Teaching Assistant</b>, UQAM<br/><i>Fall 2018, Fall 2019.</i></li><li>• ECO 9001: Advanced Microeconomics II   <b>Teaching Assistant</b>, UQAM<br/><i>Winter 2019, Winter 2020, Winter 2021, Winter 2022, Winter 2023.</i></li><li>• ECO 8620 : Econometrics of Finance   <b>Teaching Assistant</b>, UQAM<br/><i>Fall 2018, Fall 2019, Winter 2020, Fall 2020, Winter 2021, Fall 2021, Fall 2022.</i></li></ul> |
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UNDERGRADUATE	<ul style="list-style-type: none"> <li>• ECO 2400 : Macroeconomic Analysis   <b>Lecturer</b>, UQAM <i>Winter 2019, Winter 2020, Winter 2021, Winter 2022, Winter 2023.</i></li> <li>• ECO 1013 : Microeconomics I   <b>Teaching Assistant</b>, UQAM <i>Summer 2020, Fall 2020, Fall 2021, Fall 2021</i></li> <li>• STATISTICAL SOFTWARE   <b>Lecturer</b>, Université Félix Houphouët-Boigny <i>Summer 2016</i></li> </ul>
HIGH SCHOOL	Mathematics for Science Classes   <b>Lecturer</b> , High School of Nyékonakpoè <i>Fall 2012, Winter 2013, Summer 2013.</i>

## NON-TEACHING WORK EXPERIENCE

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<i>May 2023 – Nov. 2023</i>	Research Fellow, <a href="#">International Union for Conservation of Nature</a> , Washington D.C. <i>Collaboration with a team of researchers to conduct extensive research on Technology Adoption, Structural Change and Biodiversity.</i>
<i>Aug. 2016 – June 2018</i>	Statistician Consultant, <a href="#">World Bank Group</a> , Washington D.C. (hybrid). <i>Ensuring data quality and accuracy, conducting data analysis and statistical modeling to support research and policy development.</i>
<i>Aug. 2015 – Aug. 2016</i>	Statistician-Economist, <a href="#">Ivorian Center for Economic and Social Research</a> , Abidjan. <i>Analyzing data, reviewing scientific literature, and synthesizing findings to contribute to the understanding of the structural transformation differences between South Korea and Côte d'Ivoire.</i>

## RESEARCH

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WORKING PAPERS	<ul style="list-style-type: none"> <li>• <b>"Financial Development, Technology Adoption, and Sectoral Productivity Convergence"</b>, <a href="#">Job Market Paper</a>.</li> </ul> <p>I document a notable differences in convergence speed across sectors and construct an endogenous growth model to elucidate the reasons behind these observed discrepancies. The model categorizes countries into three groups based on their levels of financial institutions and aggregate productivity. Initially, the first group, characterized by low aggregate productivity and weak financial institutions, experiences sectoral productivity divergence but eventually catches up with the second group. The second group demonstrates moderate levels of aggregate productivity and financial institutions, showcasing conditional convergence. On the other hand, the third group, characterized by high aggregate productivity and strong financial institutions, experiences unconditional convergence towards higher sectoral productivity. The model also suggests that convergence in sectors with faster growth rates at the technological frontier occurs at a later stage. Empirical evidence from the World Development Indicators dataset spanning 29 years and covering over 150 countries supports these and other predictions.</p>
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- *"Financial Development, Globalization, and Structural Transformation in Developing Countries"* ([July 2023](#))

The present study develops a theoretical model to analyze the dynamics of industrialization and deindustrialization in developing countries and their integration with earlier industrialized economies. The findings suggest that financial development plays a crucial role in both accelerating industrialization and facilitating deindustrialization. Moreover, the model reveals that when developing countries integrate with economies in deindustrialization, the technological frontier in the manufacturing sector becomes relatively further ahead compared to the services sector. This discrepancy in technological proximity between sectors influences the differential productivity growth rates in manufacturing and services, driving an early shift towards the services sector. The model is calibrated to South African data from 1960 to 2010 and provides empirical support for these findings.

#### WORKS IN PROGRESS

- *"Innovation, International Trade, and Structural Change"*
- *"Technology Adoption, Structural Change and Biodiversity"*, joint with [Juha Siikamäki](#) and [Matías Piaggio](#).
- *"Time Varying Sectoral Input-Output Linkages and Structural Change"*, joint with [Isambert Leunga](#).

## PRESENTATIONS

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| 2023 | Canadian Economics Association, Winnipeg (June)<br>18th CIREQ Ph.D. Students' Conference, Montreal (May)<br>UQAM Seminar, Montreal (March)<br>Quebec Social Sciences PhD Students Presentations, Montreal (February)  |
| 2022 | Bank of Canada Graduate Student Paper Award, Ottawa (September)<br>Canadian Economics Association, Ottawa (June)<br>17th CIREQ Ph.D. Students' Conference, Montreal (June)<br>African Econometric Association, Addis-Abeba (May)<br>Université du Québec à Montréal, Montreal (April) |
| 2021 | Quebec Social Sciences PhD Students Presentations, Montreal (August)<br>Université du Québec à Montréal, Montreal (March)<br>Quebec Social Sciences PhD Students Presentations, Montreal (February)   |
| 2020 | Université du Québec à Montréal, Montreal (March)   |

## FELLOWSHIPS AND CERTIFICATES

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2022 – 2023	Scholarships from <i>Fondation UQAM</i>
2017 – 2021	Scholarships from <i>UQAM and the National Bank of Canada</i>
2013 – 2016	Scholarship from <i>Centre d'Appui aux Ecoles de Statistiques Africaines</i> .
2015	1st laureate of the <i>Writing Competition</i> of the National School of Statistics and Applied Economics (ENSEA): Best economic analysis.
2014	2nd laureate of the <i>Innovation Competition of the Engineering Schools</i> of Côte d'Ivoire.

## MEMBERSHIPS AND ACTIVITIES

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2022 – today	<i>Member</i> , Econometric Society and Canadian Economic Association
2022 – today	<i>Parent member</i> and Vice President of School Council, <b>Perce-Neige Primary School</b> , QC.
2021 – 2022	<i>Parent member</i> of School Council, <b>Harfang Des Neiges Primary School</b> , QC.
2020 – today	<i>Treasurer</i> of the Board of Directors, <b>CPE AMBCAL</b> , QC.
2018 – 2020	<i>Vice President</i> for Professional Affairs, Association of Graduate Students in Economics ( <b>AECSE</b> ) at UQAM, QC.
2013 – 2015	<i>Financial Director</i> , <b>Junior Services Enterprise (EJS)</b> of the National School of Statistics and Applied Economics (ENSEA), Côte d'Ivoire.

## OTHER

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<b>Softskills</b>	Stata, <b>R</b> , Python, Matlab, Eviews, SPSS, LaTeX, Microsoft Office.
<b>Language</b>	English : <i>Fluent</i> ; French: <i>Native</i> .
<b>Legal Status</b>	Permanent Resident of Canada ; Citizenship : <i>Togo</i> .

Last Updated: July 28, 2023