

# JUSTE DJABAKOU

Economics Job Market Candidate

## Office Contact Information

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## EDUCATION

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- 2019 - Ph.D. Candidate, Economics, [University of Montreal](#), Canada
- 2016 Diplôme d'Ingénieur Statisticien Economiste, [ENSAE](#), Dakar, Senegal
- 2014 Diplôme d'Ingénieur des Travaux Statistiques, [ENSEA](#), Abidjan, Côte d'Ivoire

## RESEARCH INTERESTS

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- 1. Macroeconomics
- 2. Financial Frictions, Firm Dynamics
- 3. Textual Analysis

## RESEARCH PAPERS

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### [JOB MARKET PAPER]

Debt Callability and Firm Dynamics [[PDF](#)]

## WORK IN PROGRESS

- 1. Seniority Structure in Macroeconomics, with [A. EKPONON](#)
- 2. Financial Frictions, Intangible Capital, and the Business Cycle
- 3. Monetary Policy Narratives and House Price Expectations, with [F. AYIVOJI](#)
- 4. Inside the Non-Compete Agreements Damages in the U.S., with [F. AYIVOJI](#) and [F. GOUDOU](#)

## PUBLICATIONS (PRE-PHD)

- 1. Twin deficit: Evidence from Togo, 61<sup>st</sup> *World Statistics Congress Proceedings*, 2017 [[PDF](#)]

## RESEARCH EXPERIENCE

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- July 2025 - **Research Assistant** for [Prof. ADELPHÉ EKPONON](#), University of Ottawa
- 2023 **Ph.D. Dissertation Fellow**, Federal Reserve Bank of St. Louis, Research Division
- 2023 **Research Fellow**, [Observatoire de la Francophonie Economique - OFE](#), Montreal
- 2023 **Research Assistant** for [Prof. MARLENE KOFFI](#), University of Toronto
- 2017 - 2018 **Research Assistant** for Prof. ABOU KANE, Université Cheikh Anta Diop, Dakar, Senegal
- 2017 - 2018 **Research Assistant** for Prof. THIerno THIOUNE, Université Cheikh Anta Diop, Dakar, Senegal.

## CONFERENCES AND SEMINARS

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- 2025 IMF, Wilfrid Laurier University, IFC (The World Bank), Computing in Economics and Finance (Santiago)
- 2024 Canadian Economics Association (Toronto)
- 2023 Federal Reserve Bank of St. Louis, Canadian Economics Association (Winnipeg)
- 2022 Canadian Society of Economic Sciences - SCSE (Montreal), CIREQ Ph.D. Students' Conference (Montreal), University of Montreal
- 2017 World Statistics Congress (Marrakesh).

## FELLOWSHIPS, HONORS, AND AWARDS

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2024 - 2025	J.W. McConnell Foundation Chair Scholarship in American Studies, UdeM
2023	Dissertation Fellowship, Federal Reserve Bank of St. Louis
2023	CEA Annual Meeting Travel Grant
2023	Finalist, Graduate Student Posters, CEA
2022 - 2024	PhD Fellowship, Fonds de Recherche du Quebec - Société et Culture (FRQSC)
2019 - 2023	PhD Fellowship, CIREQ & Department of Economics, University of Montreal
2019 -	Tuition-fee Waiver Scholarship, School of Graduate Studies, University of Montreal
2015 - 2016	Excellence Fellowship, ENSAE, Dakar
2014 - 2016	Tuition-fee Waiver Scholarship, ENSAE, Dakar
2014	2 <sup>nd</sup> prize, Application development, ENSEA, Abidjan
2012 - 2014	Champion of Academic Quiz (French version) & Best competitor, ENSEA, Abidjan
2012 - 2014	Champion of Academic Quiz (English version) & Best competitor, ENSEA, Abidjan
2012 - 2014	Tuition-fee Waiver Scholarship, ENSEA, Abidjan
2011 - 2012	Vice-champion of Academic Quiz Competition, Univesity of Lome, Togo
2010 - 2012	Undergraduate Excellence Fellowship, Science, University of Lome, Togo.

## TEACHING EXPERIENCE [\* IS UNDERGRADUATE, UNLESS SPECIFIED]

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2021, 2024, 2025	<b>Lecturer</b> , U. of Montreal: Introduction to Macroeconomics*
2019 -	<b>Teaching Assistant</b> , U. of Montreal: Numerical Analysis in Economics Financial Economics* Macro Theory 1 and 2* Initiation to Economics* Data Analysis for Economist*
2018 - 2019	<b>Teaching Assistant</b> , ESG UQAM: Microeconomics Analysis* Macroeconomics Analysis*
2017 - 2018	<b>Lecturer</b> , UCAD, Senegal: Survey's and Statistic's Softwares (STATA, R, SPSS, ODK, CsPro)
2014 - 2015	<b>Lecturer</b> , ENSAE, Dakar, Senegal: Excel-VBA Mathematics for <a href="#">Entry</a> into the top 3 Graduate Programs in Statistics and Economics in Sub-Saharan Africa*

## PROFESSIONAL SERVICE

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### CONFERENCE ORGANIZATION

2025	1 <sup>st</sup> Economics Conference of University of Montreal, Montreal
2023	1 <sup>st</sup> <a href="#">CIREQ Interdisciplinary Conference on Big Data and Artificial Intelligence</a> , Montreal

### OTHER SERVICES

2022 - 2023	Reviewer - <a href="#">La Clinique des bourses</a> , University of Montréal
2021 - 2022	Online Seminar Assistant, CIREQ, Montreal.

## SKILLS

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LANGUAGES: English (Fluent), French (Native), Ewe (Native), Russian (Basics), Wolof (Basics).

### COMPUTATIONAL SKILLS

Computing	MATLAB, Dynare, STATA, R, Python, Fortran, Julia, C++, Eviews, Excel-VBA, Quantum Computing (New)
Collabo	$\LaTeX$ , Ms Office, Github, Markdown
Technical	Data Analysis, Machine Learning (LLM, sentiment analysis)

## PROFESSIONAL EXPERIENCE

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- 2016 - 2018 **Senior Economist and Deputy Head**, French Embassy in Senegal, Econ Department, Dakar, Senegal
- 2017 - 2018 **Consultant in Statistics and Econometrics**, Cheikh Anta Diop University (UCAD), Dakar, Senegal
- 2015 **Statistician Economist Intern, Bureau de la Comptabilite Nationale**, ANSD, Dakar Senegal
- 2015 - 2016 **Research Assistant**, ENSAE - Dakar, Senegal
- 2014 - 2015 **Survey Design** (funded by Luxembourg and United Nations [UNIDO]), ENSAE, Senegal
- 2014 **Health Data Analyst Intern**, ACONDA VS (NGO against HIV), Abidjan, Côte d'Ivoire.

## LEADERSHIP AND MEMBERSHIPS

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### AFFILIATIONS

- CEA, AEA, AFA, SCSE, ISI (Statistics)
- [Mouvement Provincial Genies en Herbe / Pantologie \(MPGHP\)](#)
- [Think Tank – L'Afrique Des Idees](#)

### LEADERSHIP

- Chair of Economic Debates, ENSAE - Dakar [2016 - 2017]
- President of Togolese Students, ENSAE - Dakar [2015 - 2016]
- Head of Marketing, Junior Enterprise, ENSAE - Dakar [2014 - 2016]
- Head of Finance of Students Association, ENSEA d'Abidjan, ITS Family [2013 - 2014]
- General Secretary of Togolese Students, ENSEA d'Abidjan [2013 - 2014]
- Team of Sciences Captain, Quiz Competition, University of Lome [2010 - 2012]

## POLICY PAPERS (IN FRENCH)

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1. Reformier l'Enseignement Technique et la Formation Professionnelle pour l'Employabilite en Afrique, 2018 [\[PDF\]](#)

## TRAINING

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1. BREAD-IGC Virtual PhD Course on Firms and Development, [Link](#), Online

## PERSONAL

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1. Citizenship: Togolese, Canadian Permanent Resident.
2. Experienced Quiz (Génie en herbe) - Pro-level • Scrabble + Chess • Ping-pong, Soccer, Volleyball, Skiing.

## REFERENCES

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### IMMO SCHOTT Principal Economist

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Federal Reserve Board  
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### HYEJIN PARK Assistant Professor

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### GUILLAUME SUBLET Assistant Professor

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### ADELPHE EKPONON Associate Professor

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## Debt Callability and Firm Dynamics

Callable debt - a bond allowing issuers to redeem outstanding principal before maturity - has become dominant in U.S. corporate bond markets since the Global Financial Crisis. This paper examines the relationship between callability and firm investment, as well as its macroeconomic implications. Using an issuer-bond panel, I document a gap between contract design and effective eligibility: while 59% of outstanding debt is contractually callable, only about 1.7% is callable at the beginning of a typical quarter due to lock-out provisions; conditional on eligibility, firms call about 3.5% of eligible debt per quarter. Firms with weaker credit quality tend to rely more on callable issuance but exercise the calls less frequently. Exploiting high-frequency monetary policy surprises in a local-projection framework, I find that callable debts amplify investment responses only when firms actually call, with the strongest effects for firms holding larger eligible callable shares. To interpret these facts, I develop a heterogeneous-firm model with long-term non-callable and callable debts, endogenous default and call decisions, and investment. The model quantitatively replicates the cross-sectional incidence of contractual versus effective callability, the conditional call hazard, and the investment behavior. Callability increases the rate sensitivity of investment by about 21% relative to a baseline without callable debt, highlighting how debt callability in firms' financing structures influences aggregate investment dynamics.

## Seniority Structure in Macroeconomics, with [ADELPHÉ EKPONON](#) (UOttawa)

Seniority in debt contracts refers to the order of repayment in the event of a firm's default, where senior debt holders are paid before junior creditors. The seniority hierarchy in debt contracts is increasingly relevant in firm financing, yet its aggregate effects are largely understudied. This paper investigates the macroeconomic implications of introducing a seniority structure in firm debt within a dynamic business cycle model with defaultable long-term debt. I show that seniority structure is essential in mitigating the debt dilution problem, which arises when firms issue new debt that diminishes the value of existing claims, particularly in long-term debt markets. By prioritizing senior claims in the event of default, firms can protect senior debt holders from dilution, resulting in more efficient credit allocation. My model demonstrates that seniority structure reduces risk premia on senior bonds, lowers firm leverage, and induces more stable investment patterns. Additionally, I provide empirical evidence using firm-level data that seniority structure is associated with lower default rates and reduced financial fragility, particularly during economic downturns. On the aggregate level, introducing seniority structure in firm debt smooths business cycle fluctuations, reduces macroeconomic volatility, and enhances financial stability.

## Financial Frictions, Intangible Capital, and the Business Cycle

This paper studies how the rise of intangible capital reshapes firm financing and business cycle dynamics. Using firm-level data, I document three stylized facts. First, intangible-intensive firms rely disproportionately on equity financing and face persistently higher credit spreads relative to tangible-intensive firms. Second, their investment is more sensitive to aggregate downturns, with sharper contractions during financial crises and slower recoveries thereafter. Third, the cyclicity of financing costs is amplified for intangible-heavy firms, suggesting that limited collateralizability exacerbates procyclical financing frictions. To interpret these patterns, I develop a heterogeneous-firm equilibrium model with two types of capital—tangible and intangible—that differ in pledgeability. Firms choose their financing mix subject to collateral constraints, and aggregate shocks propagate through the interaction of financing frictions and capital composition. The model reproduces the empirical facts and delivers a key insight: the growing share of intangibles amplifies aggregate fluctuations by tightening financing constraints in downturns.

## Monetary Policy Narratives and House Price Expectations, with [FIRMIN AYIVODJI](#) (IMF)

This paper examines the impact of central bank narratives on house price expectations using a unique dataset of approximately 5 million sentences from three textual sources: direct central bank communication (including monetary policy reports and speeches), newspaper articles, and X (Twitter) posts. Leveraging advanced computational linguistics and large language models (LLMs), we analyze the narrative tone in these sources related to the Bank of Canada's monetary policy decisions. Our findings reveal that narrative sentiment significantly shapes expectations for future house prices, with sentiment related to credit, financial conditions, and housing narratives holding considerable predictive power. Using LLMs, we extract both backward-looking and forward-looking aspects of sentiment in monetary policy narratives, highlighting the pronounced impact of forward-looking sentiment on house price expectations. Additionally, we find that media coverage plays a crucial role in channeling central bank communication to the public, with variations in the effectiveness of this transmission over time. This underscores the media's influence in shaping economic expectations, particularly during periods of heightened uncertainty. The study suggests that social and news media can serve as valuable tools for central banks in managing economic expectations, with significant implications for the housing market.

## Inside the Non-Compete Agreements Damages in the U.S., with [FIRMIN AYIVODJI](#) (IMF) and [FELICIEN GOUDOU](#) (Wayne)

This paper examines the consequences of Non-Compete Agreements (NCAs) in the United States. The Federal Trade Commission (FTC) announced in January 2023 a project to ban NCAs. Using recent advanced artificial intelligence methods, we built unique data from online comments on this ban. We combined it with X posts (tweets) to highlight the damaging effects of NCAs on individuals and the economy.