

# ABDOULAYE NDIAYE

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## CURRENT APPOINTMENT

Assistant Professor of Economics, <b>New York University, Stern School of Business</b>	2019-present
Theme Leader: The Role of the Public Sector, <b>Structural Change and Economic Growth</b>	2024-present
Research Affiliate, <b>Centre for Economic Policy Research</b> , Public Economics	2021-present
Research Network Affiliate, <b>CESifo</b>	2024-present

## PRIOR EMPLOYMENT

Senior Advisor to the <b>Minister of the Economy, Planning and Cooperation of Senegal</b>	(leave) 2021
Research Economist, <b>Federal Reserve Bank of Chicago</b>	(postdoc) 2018-2019

## EDUCATION

Ph.D., Economics, <b>Northwestern University</b> , Evanston, Illinois	2013-2018
Dissertation: <i>"Essays on optimal taxation and retirement policies"</i>	
Diplôme d'Ingénieur, Mathematics, <b>École Polytechnique</b> , Paris, France	2010-2013

## VISITING POSITIONS

Visiting Scholar, <b>Becker Friedman Institute at University of Chicago</b>	Spring 2025
Distinguished Visiting Scholar, <b>Duke University</b>	October 2024
Visiting Scholar, <b>Opportunity and Inclusive Growth Institute, Minneapolis Fed</b>	Fall 2020, 2024
Guest Visitor, Center for Economic Studies, <b>LMU Munich</b>	Summer 2024
Visiting Scholar, <b>Cowles Foundation for Research in Economics, Yale University</b>	Spring 2020, 2023
Visiting Scholar, <b>Einaudi Institute of Economic and Finance</b>	Summer 2022
Junior Visitor, <b>Federal Reserve Bank of Atlanta</b>	Spring 2021
Visiting Scholar, <b>Central Bank of the West African Economic and Monetary Union</b>	December 2019
Short-Term Visitor, <b>Federal Reserve Bank of Minneapolis</b>	November 2018
Visiting Student, <b>Department of Economics, Sciences Po Paris</b>	Summer 2017
Visiting Student, <b>J-R Center for Public Policy and Finance, Princeton University</b>	Summer 2016
Visiting Scholar, <b>Department of Economics, Harvard University</b>	Spring 2013
Economics Affairs Analyst <b>United Nations</b> , New York Headquarters	Summer 2012

## RESEARCH INTERESTS

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Primary: Macroeconomics

Secondary: Public Economics, Development, Political Economy

## WORKING PAPERS

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1. **Property Taxes and Housing Allocation under Financial Constraints**, October 2024  
*Minneapolis FED OIGI Working Paper #19230, under review*  
Joshua Coven, Arpit Gupta, Sebastian Golder, and Abdoulaye Ndiaye
2. **Bonus Question: How Does Incentive Pay Affect Wage Rigidity?**, August 2024,  
*NBER Working Paper #31722, under review*  
Meghana Gaur, John Grigsby, Jonathon Hazell, and Abdoulaye Ndiaye
3. **Mispricing Narratives after Social Unrest**, July 2024  
*NBER Working Paper #32730*  
Bocar A. Ba, Abdoulaye Ndiaye, Roman G. Rivera, and Alexander Whitefield
4. **Why Bitcoin and Ethereum Differ in Transaction Fees: A Theory of Blockchain Fee Policies**, November, 2024  
*CEPR Discussion Paper #18890, under review*  
Abdoulaye Ndiaye
5. **Relative Pricing and Efficient Allocation in Blockchains**, November 2024  
*CEPR Discussion Paper #19665, under review*  
Abdoulaye Ndiaye

## UNDER REVISION

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6. **Flexible Retirement and Optimal Taxation**  
*Reject & Resubmit, Quarterly Journal of Economics*  
Abdoulaye Ndiaye
7. **A Theory of International Boycotts**, February 2024  
*Revise & Resubmit, Journal of International Economics*  
Abdoulaye Ndiaye

## PUBLICATIONS

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8. **How to Fund Unemployment Insurance with Informality and False Claims: Evidence from Senegal**, October 2024  
*Forthcoming at Journal of Monetary Economics*  
Abdoulaye Ndiaye, Kyle Herkenhoff, Abdoulaye Cisse, Alessandro Dell'Acqua, and Ahmadou A. Mbaye
9. **Redistribution with Performance Pay**  
*Journal of Political Economy Macroeconomics, vol. 1, num. 2, pp. 371-402, June 2023*  
Pawel Doligalski, Abdoulaye Ndiaye, and Nicolas Werquin

10. **Blockchain Price vs. Quantity Controls**

*Forthcoming in ACM FC 2024: Proceedings of the International Conference on Financial Cryptography and Data Security*

Abdoulaye Ndiaye

## SELECTED ONGOING RESEARCH

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11. **Productivity Growth in Government: Evidence from Tax Collection**

Radhika Goyal, Andres Jensen, David Lagakos, and Abdoulaye Ndiaye

12. **Can Digitization Help Foster Synergies between Urban Service Delivery and Local Revenue Mobilization?**

*In the field. Location: Kanifing, The Gambia*

Hamidou Jawara, Justine Knebelmann, Joseph Levine, Abdoulaye Ndiaye, and Victor Pouliquen

13. **Credit and Conflict in Nigeria**

Olalekan Bello, Simone Lenzu, Toni Oki, and Abdoulaye Ndiaye

14. **Redistributing Transportation Costs to Resolve Inequalities**

*Data collection completed. Location: Ghana*

Francis Annan, Abdoulaye Ndiaye, and National Petroleum Authority of Ghana

15. **Breaking Barriers: How Policies, Norms, and Preferences Shape Women's Labor Force Participation**

Abdoulaye Ndiaye and Zhixiu Yu

## TEACHING

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Professor, New York University 2019-present

Undergraduate: Economics of Global Business

MBA: The Global Economy

PhD: Macro Public Finance

Instructor, Ministry for the Economy, Planning and Cooperation of Senegal 2021

Macro-Development for Policymakers

Teaching Assistant, Northwestern University 2014-2016

Undergraduate: Introduction to Macroeconomics, Introduction to Microeconomics, Econometrics

PhD: Math Camp

Teaching Assistant, Lycée Louis-le-Grand 2011-2012

Undergraduate: Real Analysis. Algebra

## INVITED PRESENTATIONS & CONFERENCES

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**2025** (including forthcoming): Ecole Polytechnique - CREST, NYU Abu Dhabi

**2024** (including forthcoming): Carnegie-Rochester-NYU Conference, Financial Crypto '24, UVA, NBER Spring Aging Meetings, CMU Blockchain Conference, Drexel, World Bank, Africa Meeting of the Econometric Society, CESifo Public Economics Week, EIEF Pizzanomics, SED Meetings, a16z Summer

Infra Mechanism Design Workshop, Minneapolis Fed, Northwestern IPA & GPRL Research Conference, Wayne State University, University of Toronto, Minneapolis Fed OIGI Conference, Office of Financial Research - Dept of Treasury, CUNY, CEPR Fintech and Digital RPN Workshop Gerzensee, JHU Carey Finance Conference, Workshop on Changing Demographics and Housing Demand - Philly Fed, Duke Public, NYU, Micro Macro Household Finance workshop (scheduled), SED Winter Meeting (scheduled), Stony Brooks (scheduled).

**2023:** University of Laval, Stanford, Twelfth Annual JRCPPF Conference at Princeton, Richmond Fed, Albany, Michigan, NYU Macro Lunch, NBER Summer Institute, a16z crypto, Columbia Junior Micro/Macro Labor Conference, Webinar in Finance and Development, NBER Fall Public Economics Meetings, NTA meetings, Dartmouth Mini-Conference in Macroeconomics, NYU Stern Blockchain Lab, Columbia Cryoeconomics Conference, Zurich 8th Conference in Public Finance in Developing Countries

**2022:** University of Cologne, MIT Sloan, Wharton Finance, University of Florida, CUNY, Society for Economic Dynamics, Einaudi Institute of Economics and Finance, a16z crypto, Atlanta Fed Junior Conference, Berkeley Macro, Brown, Boston University

**2021:** AEA Meetings, Royal Holloway, Oxford, Atlanta Fed, Michigan State University, Yale University, CREST, Minneapolis Fed, Paris School of Economics, Society for Economic Dynamics, University of Toronto, Western Economic Association Meeting, SEA Meetings

**2020:** NYU Abu Dhabi Macroeconomics Workshop, Barcelona GSE Summer Forum, New York University, Berkeley Public Finance, Yale Law and Macroeconomics Conference, NYU Law Colloquium, SEA Meetings, Columbia, NBER Business Taxation in a Federal System, Econometric Society Winter Meetings

**2019:** AEA Meetings, University of Montreal, Federal Reserve Bank of Atlanta, Federal Reserve Bank of St-Louis, Federal Reserve Bank of Richmond, Notre Dame, University of Frankfurt, Ecole Polytechnique Paris, University of Munich, Columbia Law School Tax Policy Workshop, Asian Meeting of the Econometric Society, China International Conference in Macroeconomics, Society for Economic Dynamics, National Tax Association Meetings, Ohio State University, Central Bank of West African States

**2018:** Toulouse School of Economics, Sciences Po, Purdue, University of Michigan, Penn State, UCSB, UCLA, NYU Stern economics, Bocconi, DePaul University, Midwest Macro Meetings, Society for Economic Dynamics, Africa Meeting of the Econometric Society, NBER Summer Institute, Annual Congress of the European Economic Association, LAEF Conference in Macroeconomics and Business Cycles, Carnegie Mellon, Harvard, University of Chicago, National Tax Association Meetings, MIT, UQAM, Federal Reserve Bank of Minneapolis

**2017:** Northwestern, Lake Forest College, Illinois Economic Association Meetings, National Tax Association Meetings, Federal Reserve Bank of Chicago

## **DISCUSSIONS**

"Expansion of Piped Water and Sewer Networks: The Effects of Regulation" by Bruna Morais Guidetti and Carolina Tojal Ramos dos Santos, National Tax Association Meetings 2023

"Taxing Water Usage in Developing Countries: Theory and Evidence from Mexico" by Alejandro Estefan, National Tax Association Meetings 2023

"Optimal Fiscal Policy in a Model with Uninsurable Idiosyncratic Shocks" by Sebastian Dyrda and Marcelo Pedroni, National Tax Association Meetings 2021

"Larger transfers financed with more progressive taxes? On the optimal design of taxes and transfers" by Ferriere, Grubener, Navarro, and Vardishvili, National Tax Association Meetings 2021

"Politics and Income Taxes: Progress and Progressivity" by Marcus Berliant and Pierre Boyer, National Tax Association Meetings 2020

"The Taxation of Couples" by Felix Bierbrauer, Pierre Boyer, Andreas Peichl, and Daniel Weishaar, National Tax Association Meetings 2020

"Capitalist Human Capital" by Vincenzo Quadrini, Qi Sun, and Yicheng Wang, Tsinghua Workshop in Macroeconomics 2019

"Politically feasible reforms of non-linear tax systems" by Felix J. Bierbrauer and Pierre C. Boyer, Fourth Taxation Theory Conference 2018

"Inverse December Fever" by Zareh Asatryan, Andreas Peichl, Thomas Schwab, and Johannes Voget, National Tax Association Meetings 2017

"Income Taxation, Firing Costs and Insurance within Firm" by Pawel Doligalski, National Tax Association Meetings 2017

## **REFeree SERVICE**

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American Economic Journal: Macroeconomics, American Economic Journal: Microeconomics, American Economic Review, Econometrica, International Economic Review, Journal of Economic Theory, Journal of the European Economic Association, Journal of Money, Credit, and Banking, Journal of Public Economics, Quarterly Journal of Economics, Review of Economic Dynamics, Scandinavian Journal of Economics

## **CONFERENCE AND SEMINAR ORGANIZATION**

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Structural Transformation and Economic Growth Annual Conference	2025
NYU Macroeconomics Workshop	2019-present
NYU Macroeconomics Lunch Seminar	2019-present
Junior Virtual Macro Conference	2020

## **PROGRAM COMMITTEE**

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Structural Transformation and Economic Growth Annual Theme Workshop	2025
International Institute of Public Finance Congress	2022-present
CBER Conference	2024
Society for Economic Dynamics Meetings	2019-2022
ACM conference on Equity and Access in Algorithms, Mechanisms, and Optimization	2021-2022
National Tax Association Meetings	2021
Africa Meeting of the Econometric Society	2021
Mechanism Design for Social Good	2021

## **FELLOWSHIPS & AWARDS**

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Sui Foundation Research Award	Spring 2024
Stern Center for Global Economy and Business Research Grant	Fall 2019, Fall 2020
Graduate Fellowship, Northwestern University	2014-2018
Full Fellowship, Ecole Polytechnique	2010-2013
Merit Scholarship, Senegalese Ministry of Education	2007-2013
National Champion, FDA French Debating Championship	2013
Third Prize, National Physics Competition (Concours Général)	2007

## **LANGUAGES**

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English (fluent), French (native), Wolof (native), Turkish (intermediate), Arabic (intermediate)  
Matlab, Python

## **PRO BONO ACTIVITIES AND MENTORING**

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Board Member at EconNect Africa  
Faculty Mentor at Graduate Admissions International Network  
Academic Supervisor at Stern Program in Undergraduate Research

## **PERSONAL**

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Senegalese citizen. US Permanent Resident. Married with one child (born 2023).