

Eduardo Augusto de Souza-Rodrigues

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EMPLOYMENT

Academic Positions

Department of Economics, University of Toronto, Associate Professor, 2020–present
Munk School of Global Affairs and Public Policy, University of Toronto, Associate Professor (by courtesy), 2020–present
Department of Economics, University of Toronto, Assistant Professor, 2013–2020
Harvard University Center for the Environment and Harvard Environmental Economics Program, Post-Doc Fellow, 2012–2013
Research Economist at the Brazilian Central Bank, 2003–2006

Administrative Positions

Associate Chair, Dept. of Economics, University of Toronto Mississauga, 2024–present

Affiliations

Research Affiliate, Centre for Economic Policy Research (CEPR), 2024–present

EDUCATION

Ph.D., Economics, Yale University, May 2012
M. Phil., Economics, Yale University, May 2010
M.A., Economics, Yale University, May 2008
M.Sc., Economics, University of São Paulo, Oct 2003
B.A., Economics, University of São Paulo, Dec 2000

I. RESEARCH

Published and Forthcoming Papers

“The Environmental Implications of Genetically Modified Crops,” with F. Noack, D. Engist, J. Gantois, V. Gaur, B. F. Hyjazie, A. Larsen, L. K. M’Gonigle, A. Missirian, M. Qaim, R. D. Sargent, and C. Kremen, *Science* (2024, accepted)

“Counterfactual Analysis for Structural Dynamic Discrete Choice Models,” with Myrto Kalouptsi, Yuichi Kitamura, and Lucas Lima, *The Review of Economic Studies* (2024, accepted)

“The Environmental Impacts of Protected Area Policy,” with Mathias Reynaert and Arthur A. van Benthem, *Regional Science and Urban Economics* (2024)

“Improving Estimates of Transitions from Satellite Data: A Hidden Markov Model Approach,” with Adrian Torchiana, Ted Rosenbaum and Paul Scott, *The Review of Economics and Statistics* (2023, forthcoming)

“Optimal Environmental Targeting in the Amazon Rainforest,” with Juliano Assuncao, Robert McMillan, and Joshua Murphy, *The Review of Economic Studies* (2023)

“Identification of Counterfactuals in Dynamic Discrete Choice Models,” with Myrto Kalouptsi and Paul Scott, *Quantitative Economics* (2021)

“Linear IV Regression Estimators for Structural Dynamic Discrete Choice Models,” with Myrto Kalouptsi and Paul Scott, *Journal of Econometrics* (2021)

“Deforestation in the Amazon: A Unified Framework for Estimation and Policy Analysis,” *The Review of Economic Studies* (2019)

“On the Non-Identification of Counterfactuals in Dynamic Discrete Games,” with Myrto Kalouptsi and Paul Scott, *International Journal of Industrial Organization* (2017)

“Nonparametric Regression with Common Shocks,” *Econometrics* (2016)

“Minimum Wage and Wage Inequality in Brazil, 1981-1999: A Semiparametric Approach,” with Naécio A. Menezes-Filho, *Revista Brasileira de Economia* (2009, in Portuguese)

Book Chapter

“Policy Interventions in the Amazon Rainforest,” in *GAF Academy: Global Agribusiness Forum*, 1st edition, Datagro Publicações Ltda., São Paulo, Brazil (2014)

Working Papers

“The Forest Awakens: Amazon Regeneration and Policy Spillovers,” with Juliano Assuncao and Clarissa Gandour (2019)

“Reducing Pollution under the Clean Air Act: A Re-assessment of the Benefits,” with Robert McMillan and Joshua Murphy (2019)

“Nonparametric Estimation of a Generalized Regression Model with Group Effects,” (2015)

Work in Progress

“Cows and Trees,” with Paul Scott, Ted Rosenbaum, and Skand Goel

“How Inefficiency at the Bottom Increases Profitability at the Top: The Case of the Copper Industry,” with Victor Aguirregabiria and Andres Luengo

“A Nonparametric Dynamic Structural Model for the Estimation of Option Values in Natural Resource Investments,” with Victor Aguirregabiria

“Environmental Regulation, Labor Reallocation and Welfare,” with Lint Barrage and Maximilian Dvorkin

Dormant Working Papers (in Portuguese)

“Fatores de Risco e o Spread Bancário no Brasil,” with Fernando G. Bignotto, *Brazilian Central Bank Working Paper Series, No. 110* (2006)

“O Efeito da Consignação em Folha nas Taxas de Juros dos Empréstimos Pessoais,” with Victorio Chu, Leonardo S. Alencar and Tony Takeda, *Brazilian Central Bank Working Paper Series, No. 108* (2006)

“Efeitos dos Recolhimentos Compulsórios sobre a Distribuição das Taxas de Juros Bancárias no Brasil,” with Tony Takeda, *Brazilian Central Bank Report: Relatório de Economia Bancária e Crédito* (2004, in Portuguese)

Non-Academic Report

“Comments on the SAB Panel Draft Report Regarding EPA’s Framework for Assessing Biogenic CO₂ Emissions from Stationary Sources (2014),” with Timothy Searchinger, William Moomaw and Paul Scott (2016)

Research Grants

Social Sciences and Humanities Research Council – Insight Grant, 2022-2027
University of Toronto Mississauga Graduate Expansion Funding Allocation, 2020
University of Toronto Mississauga Graduate Expansion Funding Allocation, 2019
University of Toronto Mississauga SSHRC Institutional Grant 2019
University of Toronto Mississauga Graduate Expansion Funding Allocation, 2018
University of Toronto Mississauga Dean’s Research Funding, 2018
University of Toronto Mississauga Dean’s Research Funding, 2017
University of Toronto Mississauga Graduate Expansion Funding Allocation, 2015
University of Toronto Mississauga Graduate Expansion Funding Allocation, 2014
Connaught New Researcher Award, 2015
Connaught Faculty Recruitment Support in Humanities and Social Sciences, 2013

Honors, Awards, and Fellowships

Best Econometrics paper of the Brazilian Econometrics Society, 2016
Best Econometrics paper of the Brazilian Econometrics Society, 2014
Award for Excellence in Graduate Teaching – Dept. Economics, Univ. of Toronto, 2014
University of Toronto Mississauga Start-up Award, 2013
Kernan Brothers Environmental Fellowship, Harvard University, 2012-2013
Arthur K. Watson Fund, Yale University, 2011-2012
Charles V. Hickox Fellowship, Yale University, 2007-2010
Carlos Diaz Alejandro Fellowship, Yale University, 2006-2007

Yale University Dissertation Fellowship, 2011
Yale University Summer Fellowship, 2007-2009
Yale University Fellowship, 2006-2010
CAPES Fellowship for Doctoral Programs, 2006-2010

Invited Presentations:

2022-23:

Seminar: School of the Environment, University of Toronto; University of Exeter; Queen's University; Virtual Seminar on Climate Economics (FED); University of Toronto.

Conference: Chicago IO+ Conference; 71st Congress of the French Economic Association (AFSE)

2021:

Seminar: University of Chicago; Arizona State University; Georgetown University; Universidade Federal de Pelotas.

Conference: 2021 North American Summer Meeting of the Econometric Society; Empirical Implementation of Theoretical Models of Strategic Interactions and Dynamic Behavior (SITE 2021); Canadian Econometrics Study Group (CESG).

2020:

Seminar: Yale University; University of British Columbia; Iowa State University.

Conference: 12th World Congress of the Econometric Society; 24th Annual Conference of the European Association of Environmental and Resource Economists.

2019:

Seminar: Berkeley University; Cornell University; UCLA; University of Southern California, University of Brasilia.

Conference: ASSA Meetings; 24th Annual Conference of the European Association of Environmental and Resource Economists; 3rd Conference on Structural Dynamic Models; 5th Banff Empirical Microeconomics Conference; Counterfactuals with Economic Restrictions Conference at Western Ontario; 6th Interactions Conference: Bringing Together Econometrics and Applied Microeconomics at University of Chicago.

2018:

Seminar: University of Chicago; Federal Reserve Bank of St. Louis; Ohio State University; University of Ottawa; Montreal Workshop in Environmental and Resource Economics.

Conference: NBER Summer Institute – Environmental Economics; LSE-NHH Conference on Environmental Economics; 6th World Congress of Environmental and Resource Economics; 35th Meeting of the Canadian Econometric Study Group at University of Ottawa.

2017:

Seminar: University of Toronto; Brock University

Conference: World Bank's Fifth Annual Conference on Sustainable Infrastructure; 1st Workshop on Structural IO Pontificia Universitat Javeriana; 34th Canadian Econometric Study Group at York University; Fifth Economics of Low Carbon Markets (USP-Sao Paulo).

2016:

Seminar: Chicago Booth; PUC-RJ; FGV/EPGE.

Conference: Cowles Summer Conference on Structural Microeconomics; Banff 3rd Empirical Microeconomics Workshop; Brazilian Econometrics Society Meetings (SBE); INRA Environmental and Natural Resources Conservation Workshop at Montpellier.

2015:

Seminar: Toulouse School of Economics, Environmental Seminar; Northwestern University; Boston College; University of Texas at Austin; Toulouse School of Economics, Econometrics Workshop.

Conference: 11th World Congress of the Econometric Society.

2014:

Seminar: University of Toronto; University of São Paulo; São Paulo School of Economics – FGV/EESP; Climate Policy Initiative (CPI-Rio).

Conference: ASSA AEA Meetings; 3rd Canadian PhD and Early Career Workshop in Environmental Economics & Policy – Ottawa; 68th European Econometric Society Meeting; Latin American Meeting of the Econometric Society (LAMES); Brazilian Econometrics Society Meetings (SBE); Economics of Low Carbon Markets (USP-Ribeirao); Methods for Industrial Organization Techniques and Applications (MOITA, USP-Ribeirao).

2013:

Seminar: Harvard University Dept. of Evolutionary Biology.

Conference: NBER Summer Institute – Environmental Economics; Canadian Economic Association Conference; 67th European Econometric Society Meeting; Latin American Meeting of the Econometric Society (LAMES).

2012:

Seminar: Boston College; University of Toronto; University of Wisconsin-Madison; University of British Columbia; University of Warwick; University of South Carolina; Wharton School of the University of Pennsylvania; University of California-Irvine; PUC-RJ; University of São Paulo; São Paulo School of Economics – FGV/EESP; Insper – Institute of Education and Research; Universitat Pompeu Fabra; University of New Haven; IPEA – Institute for Applied Research; INPE – Brazilian National Institute for Spatial Research; Harvard University.

II. SERVICES

Referee Service

American Economic Review, The Review of Economic Studies, Econometrica, Quarterly Journal of Economics, Journal of Political Economy, Science, American Economic Review Insights, Quantitative Economics, Journal of Econometrics, The Review of Economics and Statistics, Journal of Business & Economic Statistics, Nature Sustainability, Management Science, Journal of Environmental Economics and Management, Journal of the Association of Environmental and Resource Economics, Journal of Development Economics, International Journal of Industrial Organization, The Economic Journal,

Journal of Applied Econometrics, Journal of the European Economic Association, Journal of Industrial Economics, Environmental and Resource Economics, American Journal of Agricultural Economics, Environment and Development Economics, Empirical Economics, Ecological Applications, Energy Economics, Population and Environment, Brazilian Review of Econometrics, Estudos Econômicos, Brazilian Central Bank Working Paper Series

Editorial Service

Associate Editor of *Economia* (Brazilian Journal of the National Association of Graduate Centers in Economics – ANPEC), 2013–2020

Conference Selection Committee

International Association for Applied Econometrics Annual Conference, IAAE, 2022

Brazilian Econometric Society Meetings, 2012 and 2018

Latin American Meeting of the Econometric Society, 2014

Economics of Low Carbon Market Meetings, 2015, 2016, and 2017

Conference Discussion

Cowles Conference on Models and Measurement, 2022

19th IIOC (International Industrial Organization Conference), 2021

ASSA, 2014 and 2018

Canadian Economic Association, 2013 and 2015

Fellowship Selection Committee

Post-doc Proposal to Sao Paulo Research Foundation, 2017

Graduate Program for Environmental Economics Studies, NGO Instituto Escolhas, 2017

External Thesis Defense

Ph.D. thesis examination at University of British Columbia, 2024

Ph.D. thesis oral examination at Toulouse School of Economics, 2024

Ph.D. thesis oral examination at University of Sao Paulo, 2023

Master thesis oral examination at PUC-Rio, 2023

Ph.D. thesis oral examination at Toulouse School of Economics, 2022

Ph.D. thesis oral examination at University of British Columbia, 2021

Ph.D. thesis oral qualification at University of Sao Paulo, 2019

Ph.D. thesis oral examination at PUC-Rio, 2018

Master thesis oral examination at University of Sao Paulo, 2016

External Consultant

Selection Committee for PhD Thesis' Prize, "Prêmio Tese Destaque USP," 2021

Palgrave Macmillan, evaluated a climate change book proposal, 2020

Brazilian Ministry for the Environment, on policies to reduce deforestation, 2017

USAID, evaluated a proposal that helps monitor deforestation in the Amazon, 2013

De Gruyter Open, evaluated a world deforestation book proposal, 2013

University of Toronto

Recruiting Committee for new faculty, 2014-15, 17-18, 18-19, 20-21, 22-23, 23-24

Students' admissions (MA, PhD, South-American candidates), 2017, 2021, 2022, 2023

Co-organizer of the Industrial Organization/Business Economics Seminar, 2018-2021
Recruiting Committee for associated professor position, 2018

III. TEACHING

University of Toronto Courses

Ph.D./Master, Empirical Applications of Economic Theory, ECO2404, 2014-present
Undergraduate, Environmental Economics, ECO313, 2023-present
Undergraduate, Applied Econometrics I, ECO375, 2013-present
Undergraduate, Applied Econometrics II, ECO475, 2014-present
Undergraduate, Applied Research in Economics, Reading Course, ECO420, 2022-23
Undergraduate, Microeconomics, ECO200, Summer 2013

External Lectures, on Various Topics

“Deforestation in the Brazilian Amazon: An Economics’ Perspective”

Public Lecture at the Harvard University David Rockefeller Center for Latin American Studies (November, 2019)

“Lecture on Structural Dynamic Discrete Choice Models,” Dept. of Agricultural and Resource Economics at Berkeley University. Part of the course “Empirical Environmental and Energy Economics, ARE 264,” by Prof. Meredith Fowlie (May, 2019)

“Lectures on Reduced Form vs Structural Estimation,” at Federal University of Bahia, in Salvador, Brazil (April, 2016)

“Brazil Film Series @ Robarts Library’s Media Commons Film Theatre,” at University of Toronto, organized by Dr. Hudson Moura (Department of Spanish and Portuguese, University of Toronto). Participated as host and discussant for the movie “Iracema: Uma Transa Amazônica,” (February, 2016)

“Recent Trends in Brazilian Economy and Environment,” at York University. Part of the course “Brazil in the Era of Globalization, 1888 to the Present,” by Dr. Gillian McGillivray (January, 2016)

“Deforestation in the Amazon,” for the Trinity Speaking Engagement Lecture: An environmental-themed high table dinner at Trinity College (March, 2015)

“Topics in Industrial Organization: Moment Inequalities,” mini-course at the University of Sao Paulo (November, 2014)

“Protection of the Rights of the Indigenous Peoples of the Amazon Region of Brazil,” at the 23rd Festival of Images and Words at York University. Participated as a discussant (October, 2014)

“*Lectures on Nonparametric Estimation*,” Dept. of Economics at Harvard University. Part of the course “Advanced Applied Econometrics,” by Prof. Ariel Pakes (February, 2013)

“*Deforestation in the Amazon*,” Lecture and discussion at the Brazilian Ministry of the Environment (December, 2012)

Media

Op-eds

“It is Much Cheaper to Preserve the Amazon than We Might Think,” *Oxford University Press Blog (OUPBlog)*, July 27, 2020

“Governments Do Not Know the Best Way to Save the Amazon Rainforest. And That Needs to Change,” *The Economist*, November 16, 2015 (with Sylvain Chabe-Ferret, Julie Subervie, and Arthur van Benthem)

“Quelles Politiques Publiques pour Sauver la Forêt Amazonienne?” *Le Monde*, November 05, 2015 (with Sylvain Chabe-Ferret, Julie Subervie, and Arthur van Benthem)

Media Mentions and Interviews

“Examining Brazil’s successful efforts to reduce deforestation through satellite imagery,” featured in *A&S News* – July 11, 2024

“A Conversation with Professor Eduardo Souza-Rodrigues,” Podcast *Globenomics: More Than Just Money*, by Milin Aujla – June 1, 2024

“Earth Day: Access to Technology & Optimizing Policy Reduces Deforestation,” featured in *News from the Department of Economics, UoT* – April, 22, 2024

“Are We Addicted to Using Plastic?”, featured in *The Medium* – September 11, 2023

“The Japanese Firms and Megabanks Funding Rainforest Destruction,” featured in *The Japan Times* – June 4, 2023

“Assets to Axes: How Harvard’s Land Investments Inspired Fear in Brazil’s Cerrado,” featured in *The Harvard Crimson Magazine* – April 17, 2023

“Interview with Eduardo Souza-Rodrigues,” Podcast *Outra Visão*, by journalist Paulo Cunha – November 09, 2020 (in Portuguese)

“The Amazon Rainforest is BEING Burnt. Here's Why,” Podcast *The nth Dimension*, by journalist Shreya Kalra – November 09, 2019

“À qui Appartient l’Amazonie?” featured in *CBC Radio Canada* – September 20, 2019

“Corned Beef And Handbags: How US Consumers Are Unwittingly Contributing to Deforestation in The Amazon,” featured in *BuzzFeed News* – September 06, 2019

“Amazon Fires: What You Need to Know about the Rainforest Blazes,” featured in *Toronto Star News* – August 27, 2019

“Capitalism and Climate Change,” Podcast *The nth Dimension*, by journalist Shreya Kalra – June 18, 2019

“Our Economic System Must Evolve in the Face of Environmental Devastation,” featured in *Open Democracy* – June 11, 2019

“Environmental Groups Call on Ontario Candidates to Put a Cap on Bottled Water,” featured in *National Observer* – May 17th, 2018

“Selection of the List of Deforesting Municipalities Had Expected Impacts,” featured in *Instituto Escolhas* (Brazilian NGO) – December, 22nd, 2016

“Economist for Export,” featured in *Valor Economico* (Brazilian daily newspaper specialized in Economics) – January 09, 2015

IV. OTHER INFORMATION

Language Skills: English (fluent), Portuguese (native)

Citizenship: Brazilian, Permanent Resident of Canada

Last updated: July 24, 2024