

# 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  
Research Affiliate, Forward Society Lab (FOS), 2023–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

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

“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* (2025)

“Environmental Impacts 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)

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

“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*, 1<sup>st</sup> edition, Datagro Publicações Ltda., São Paulo, Brazil (2014)

## **Working Papers**

“The Forest Awakens: Amazon Regeneration and Policy Spillovers,” with Juliano Assuncao and Clarissa Gandour (2021)

“Reducing Pollution under the Clean Air Act: A Re-assessment of the Benefits,” with Robert McMillan and Joshua Murphy (2021)

“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

“Environmental Regulation, Labor Reallocation and Welfare,” with Maximilian Dvorkin and Jeffrey Sun

“General Equilibrium Effects of Genetically Modified Crops Adoption,” with Vasundhara Gaur, Frederik Noack, and Torsten Jaccard

“Identification of Counterfactuals in Differentiable Models,” with Wayne Gao and Jeffrey Sun

“On Estimating Counterfactuals Directly in Dynamic Models,” with Myrto Kalouptsi, Lucas Lima

### **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 CO<sub>2</sub> 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:**

2025: *(scheduled)*

Seminar: Wharton School of the University of Pennsylvania; Santa Catarina Federal University (UFSC).

Conference: Berry Fest – A Celebratory Conference in Honor of Steve Berry; The Hoyt Institute Workshop on Biodiversity and Real Estate, Urban, and Land Economics; 2025 World Congress of the Econometric Society

2024:

Seminar: Pennsylvania State University.

2023:

Seminar: Queen's University; Virtual Seminar on Climate Economics (FED); University of Toronto.

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

2022:

Seminar: School of the Environment, University of Toronto; University of Exeter.

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; 24<sup>th</sup> 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; 24<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists; 3<sup>rd</sup> Conference on Structural Dynamic Models; 5<sup>th</sup> Banff Empirical Microeconomics Conference; Counterfactuals with Economic Restrictions Conference at Western Ontario; 6<sup>th</sup> 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; 6<sup>th</sup> World Congress of Environmental and Resource Economics; 35<sup>th</sup> 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; 1<sup>st</sup> Workshop on Structural IO Pontificia Universitat Javeriana; 34<sup>th</sup> 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 3<sup>rd</sup> 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; 68<sup>th</sup> 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; 67<sup>th</sup> 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, American Economic Journal: Economic Policy, 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 Economists, 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 for *Econometrica*, 2025-2028

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**

Montreal Summer Conference on Industrial Organization, 2025

Cowles Conference on Models and Measurement, 2022

19<sup>th</sup> 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, 24-25  
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, 2024

## **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**

*"Law and Economics: Challenges in a Changing World,"*  
Master Class at Faculdade Belavista, Sao Paulo-SP, Brazil (February 17, 2025)

*"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,"*  
Federal University of Bahia, in Salvador, Brazil (April, 2016)

*“Brazil Film Series @ Robarts Library's Media Commons Film Theatre,”*

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,”*

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,”*

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,”*

The 23<sup>rd</sup> 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**

“Gas prices drop in Ontario following carbon tax removal” featured in *CBC* – April 1, 2025

“Soft skills and humanistic education are essential in the age of AI” featured in *Estadao* (Brazilian daily newspaper) – March 06, 2025



“City of Toronto launches 2025 budget plan,” featured in *The Eyeopener* – January 28, 2025

“Researchers Explore Environmental Impacts of Genetically Modified Crops,” featured in *Farms.com* – September 25, 2024

“Unveiling Environmental Impacts of Genetically Modified Crops,” featured in *Tech Explorist* – September 25, 2024

“Environmental Impacts of Genetically Modified Crops Need More Study,” featured in *SeedDaily* and *TerraDaily* – September 25, 2024

“Environmental Impacts of GM Crops,” featured in *Mirage.News* -- September 24, 2024

“The Environmental Impacts of Genetically Modified Crops,” featured in *Food Manufacturing* -- September 24, 2024

“Researchers Explore Environmental Impacts of Genetically Modified Crops,” featured in *Phys.org* – September 24, 2024

“The Environmental Impacts of Genetically Modified Crops,” featured in *EurekAlert!* – September 24, 2024

“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 17<sup>th</sup>, 2018

“Selection of the List of Deforesting Municipalities Had Expected Impacts,” featured in *Instituto Escolhas* (Brazilian NGO) – December, 22<sup>nd</sup>, 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:** Brazil and Canada

Last updated: April 16, 2025