

ROLANDO CAMPUSANO GÁRATE

Contact

Interests: Urban Economics, Entrepreneurship and Innovation, and Empirical Industrial Organization

Address: Rotman School of Management
105 St. George Street, Toronto, ON M5S 3E6, Canada

E-mail: Rolando.Campusano@Rotman.UToronto.Ca

Website: rolandocampusano.com

Phone: +1 (647) 770 8707

Citizenship: Chilean

Education

- 2015– ROTMAN SCHOOL OF MANAGEMENT, UNIVERSITY OF TORONTO
Ph.D., Economic Analysis and Policy
Committee: Nate Baum-Snow (Chair), Will Strange, April Franco, and Alberto Galasso
- 2011-12 FACULTY OF ECONOMICS AND BUSINESS, UNIVERSITY OF CHILE
M.A., Economic Analysis (with honors, best graduate student award)
Thesis: "Competition and Innovation: Heterogeneous Firms Evidence for Developing Countries"
Committee: Roberto Alvarez (Chair), Alejandro Micco, and Claudio Bravo-Ortega
- 2006-10 FACULTY OF ECONOMICS AND BUSINESS, UNIVERSITY OF CHILE
B.A., Economics (with honors)
Thesis: "Peer Effects on Entry Drugs Use: Evidence for Chilean Scholar Population" (in Spanish)
Advisor: Pablo Egaña del Sol

Work in Progress

"Startup Location, Local Spillovers and Neighborhood Sorting," *Job Market Paper*

Working Papers

"Delineating Neighborhoods using Location Choices"

"Occupations and the Substitutability of Computers and Workers," *Ph.D. Second Year Paper*

Academic Experience

- 2021– Ph.D. Student Fellow, Centre for Real Estate and Urban Economics, University of Toronto
- 2019–20 Research Affiliate, Statistics Canada
- 2018– Deemed Employee (equivalent to U.S. Census Special Sworn Status), Statistics Canada
- 2016–21 Research Assistant, Rotman School of Management, University of Toronto
Lu Han, Nate Baum-Snow, Will Strange, April Franco, Bernardo Blum, Joanne Oxley and Pamela Medina
- 2016–21 Teaching Assistant, Rotman School of Management, University of Toronto
- 2013-15 Lecturer of Intermediate Macroeconomics, Economics Department, University of Chile
- 2010-13 Research Assistant, University of Chile and Pontifical Catholic University of Chile
School of Psychology (2012-2013), INTELIS Centre (2010-2011), Health Administration Institute (2011),
Poverty Action Lab J-Pal LatAm (2010)
- 2009-12 Teaching Assistant, University of Chile

Professional Experience

- 2021– Economist, Statistics Canada
- 2020 Visiting Assistant Economist, Finance Canada
- 2012–15 Junior Economist, Economic Research Department, Central Bank of Chile
- 2012 Economic Consultant, Energy Efficiency Agency and the Economic Development Agency, Government of Chile
- 2007–09 Real Estate Sales Assistant, Prohabit Ltd.

Fellowships, Grants, and Awards

2021 TD Management Data and Analytics Lab Research Grant, University of Toronto
2019 BEAR Ph.D. Research Award, University of Toronto
2018 Conference Travel Grant, Canadian Economic Association
2018 CRESSE Canadian Fellow, University of Toronto
2015-20 Connaught International Scholarship, University of Toronto
2015 Director's Fellowship, Rotman School of Management, University of Toronto
2014 Nominated Young Economist at the 5th Lindau Nobel Laureate Meeting in Economic Sciences
2012 Best Graduate Student, M.A. in Economic Analysis, Economics Department, University of Chile
2011-12 Fellowship for Graduate Studies, Economics Department, University of Chile

Seminars and Conferences

2021 University of Toronto, Urban Economic Association *Elevator Pitch*, Canadian Real Estate and Urban Economics Conference, Statistics Canada, Finance Canada
2017-19 University of Toronto (x4), Statistics Canada (x2), Canadian Economic Association (x1)
2011-15 Chilean Economic Society (x2), University of Chile (x1), Globelics (x1), Central Bank of Chile (x2)

Pre-Doctoral Research

"The Emergence and Functioning of Structural Intermediaries in Chile," with R. Álvarez and L. Klerkx. *Innovation and Development*, No. 5 (1), pp. 73-91, Jan. 2015.

"Does Competition Spur Innovation in Developing Countries?," with R. Álvarez. Economics Department Working Papers Series No. 388, University of Chile, Jun. 2014.

"Lessons on the Conflict Between Equivalence and Solidarity in the Chilean Health Insurance Market," with A. Uthoff and J.M. Sanchez. *CEPAL Review*, No.108, pp. 141-159. Dec. 2012.

"Employment Generation, Firm Size, and Innovation in Chile," with R. Álvarez, J.M. Benavente, and C. Cuevas. IDB Publications No 54258, InterAmerican Development Bank. Oct. 2011. ([Media coverage in spanish](#))

Miscellaneous

Language Spanish (*native*) and English (*fluent*)
Software Stata, Python, R, GIS, Mathematica, MATLAB, Docker, SQL
Service Representative, University of Toronto Graduate Student Union (2017-2019)
Co-President, Rotman Ph.D. Association (2016-2018)
Member, Rotman House Committee (2015)
Referee, Real Estate Economics (x1) and European Planning Studies (x2)
Volunteer VP Finance, University of Toronto Road Racing Club (2017-2021)
Venue Support, 44th Toronto International Film Festival (2019)
Co-Founder, NGO "El Ayllu" (2009)
Construction Team, University of Chile Volunteering Group (2006-2009)

Academic References

Nathaniel Baum-Snow	William C. Strange	April Franco	Alberto Galasso
Professor, Economic Analysis and Policy	SmartCentres Chair of Real Estate	Professor, Economic Analysis and Policy	Professor, Strategic Management
Rotman School of Management	Professor, Economic Analysis and Policy	Chair, Department of Management	Chair, Life Sciences Commercialization
University of Toronto	Rotman School of Management	University of Toronto Scarborough	Rotman School of Management
105 Saint George St.	University of Toronto	1095 Military Trail	University of Toronto
Toronto, ON M5S 3E6	105 Saint George St.	Toronto, Ontario M1C 1A4	105 Saint George St.
+1 (416) 978-4273	Toronto, ON M5S 3E6	+1 (416) 208 5188	Toronto, ON M5S 3E6
nate.baum-snow@rotman.utoronto.ca	+1 (416) 978 1949	april.franco@rotman.utoronto.ca	+1 (416) 946 0287
	william.strange@rotman.utoronto.ca		a.galasso@rotman.utoronto.ca

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Abstracts

Startup Location, Local Spillovers and Neighborhood Sorting

How critical is economic concentration for the success of startup firms? This paper uses data on the universe of firms in large Canadian cities to study this question at the level of city blocks and their surrounding neighborhoods. To account for sorting within blocks, I use a newly developed clustering algorithm to construct neighborhoods relevant for each industry within which sorting across blocks is conditionally random. To account for sorting across neighborhoods, I develop a model of neighborhood selection, where entrepreneurs choose neighborhoods based on expected startup outcomes and idiosyncratic preferences for location. Results show positive and economically significant effects of block average same-industry employment and revenue on startups' end-of-year employment, revenue, and survival rates. These effects are heterogeneous across industries and types of block-level economic activity.

Delineating Neighborhoods using Location Choices

Research on neighborhoods has relied on administrative definitions that do not coincide with agents' decision problems. This produces a spatial misalignment between administrative and "economic" boundaries that bias research findings and the policies designed around them. I propose a novel methodology to delineate neighborhoods using a machine learning algorithm that groups locations based on revealed preferences. I apply the methodology to Toronto's industrial and residential neighborhoods and show that they are not like each other and that they remarkably differ in size and shape from their administrative counterparts. In particular, economic neighborhoods tend to have an elliptical shape and to locate around major streets. Moreover, neighborhoods are different across industries or property types. These characteristics have implications for the study the effects of neighborhood segregation and concentration.

Occupations and the Substitutability of Computers and Workers

Using U.S. Census and Current Population Survey data, this paper estimates the elasticity of substitution between computer and not-computer labor across different occupations. Moreover, this paper also attempts to understand where occupations are located within the firm structure. Using a flexible nested CES framework and without making any assumptions about the substitutability of labor, results support the previous view that there exist a monotone relationship between routine intensity and the elasticity of substitution between computer and not-computer labor. Moreover, results also suggest that the nesting structure that fits better the data locates Managers and Professionals at the top of the organization, Low Skill services at the middle and Production and Clerical workers at the bottom.