

# JORGE A. GUZMAN

## *Curriculum Vitae*

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## EMPLOYMENT

### Current Employment

Columbia University (Columbia Business School)	New York, NY
<i>Associate Professor (without tenure)</i>	2022 – Present
<i>Assistant Professor</i>	2018 – 2022

*Courtesy Affiliations: Data Science Institute and Inst. for Latin American Studies (ILAS)*

### Current Affiliations

National Bureau of Economic Research (NBER).	
<i>Faculty Research Fellow (Productivity, Innovation, and Entrepreneurship)</i>	2022 – Present

J-PAL. Science for Progress Initiative (SfPI)	
<i>Researcher</i>	2022 – Present

Innovation Growth Lab (IGL)	
<i>Research Affiliate</i>	2019 – Present

### Previous Employment and Affiliations

National Bureau of Economic Research	Cambridge, MA
<i>Postdoc at the NBER Entrepreneurship Working Group</i>	2017 – 2018

MIT Sloan School of Management	Cambridge, MA
<i>Lecturer. Technological Innovation, Entrepreneurship and Strategic Management</i>	Spring 2017

MIT Innovation Initiative	
<i>Research Affiliate</i>	2017 – 2021

## EDUCATION

MIT Sloan School of Management	Cambridge, MA
<i>PhD. Technological Innovation, Entrepreneurship and Strategic Management</i>	2012 – 2017

MIT Sloan School of Management	Cambridge, MA
<i>Master of Business Administration (MBA)</i>	2009 – 2011

Instituto Tecnológico y de Estudios Superiores de Monterrey, ITESM	Monterrey, México
<i>B.S. Computer Engineering</i>	2002 - 2006

## ACADEMIC ARTICLES

*(All co-authorships are listed alphabetical, and all are fully shared.)*

### Published Refereed Articles

1. Guzman, Jorge. (2023). “Go West Young Firm: The Impact of Startup Migration on the Performance of Migrants”. *Management Science* forthcoming [link](#)
2. Guzman, Jorge. (2022) “The Direct Effect of Corporate Law on Entrepreneurship.” *The Journal of Law, Economics, and Organizations*. forthcoming [link](#)
3. Guzman, Jorge, Jean Joohyun Oh, and Ananya Sen (2023) “Climate Change Framing and Innovator Attention: Evidence from an Email Field Experiment”. *Proceedings for the National Academy of Sciences (PNAS)* 120(3). [link](#)
4. Andrews, RJ, Catherine Fazio, Yupeng Liu, Jorge Guzman, and Scott Stern (2022) “The Startup Cartography Project: Measuring and Mapping Entrepreneurial Ecosystems.” *Research Policy*. 51 (2). [link](#)
5. Guzman, Jorge, and Aishen Li. (2022) “Measuring Founding Strategy” *Management Science*. 69(1):101-118.. [link](#)
6. Conti, Annamaria, and Jorge Guzman. (2021) “What is the U.S. Comparative Advantage in Entrepreneurship? Evidence from Israeli Migrations to the United States” *The Review of Economics and Statistics*. Forthcoming. [link](#)
7. Guzman, Jorge, Jean Oh and Ananya Sen. (2020) “What Motivates Innovative Entrepreneurs? Evidence from a Field Experiment.” *Management Science*. (66) 10: 4808-4819. [link](#)
8. Fazio, Cathy, Jorge Guzman and Scott Stern. (2020) “The Impact of State-Level R&D Tax Credits on the Quantity and Quality of Entrepreneurship.” *Economic Development Quarterly*. 34 (2): 188-208.[link](#)
9. Guzman, Jorge and Scott Stern. (2020) “The State of American Entrepreneurship: New Estimates of the Quantity and Quality of Entrepreneurship for 32 US States, 1988-2014” *American Economic Journal: Economic Policy*. 12 (4): 212-43. [link](#)
10. Guzman, Jorge and Aleksandra (Olenka) Kacperczyk. (2019) “Gender Gap in Entrepreneurship” *Research Policy*. 48 (9): 1666-1680. [link](#)
11. Guzman, Jorge and Scott Stern. (2015) “Where is Silicon Valley?” *Science*. 347(6222): 606-609. [link](#)

### Published non-Refereed Articles

12. Fazio, Cathy, Jorge Guzman, Fiona Murray and Scott Stern. (2016) “A New View of the Skew: A Quantitative Assessment of the Quality of American Entrepreneurship”. *MIT Innovation Initiative Laboratory for Innovation Science and Policy*. Policy Report.
13. Guzman, Jorge and Scott Stern. (2017) “Nowcasting and Placecasting Entrepreneurial Quality and Performance”. *NBER Measuring Entrepreneurial Businesses: Current Knowledge and Challenges*. Eds. John Haltiwanger, Erik Hurst, Javier Miranda, and Antoinette Schoar. University of Chicago Press. 1<sup>st</sup> Edition. [link](#)
14. Bahar, Danny, Bo Cowgill, and Jorge Guzman. (2023) “Refugee Entrepreneurship: The Case of Venezuelans in Colombia”. Forthcoming in *The American Economic Association Papers & Proceedings*.

### Working Papers

#### *Revise & Resubmit*

15. Bryan, Kevin, and Jorge Guzman. 2021. “Entrepreneurial Migration”.  
Revise & Resubmit at *The Review of Economics and Statistics*. [link](#)
16. Engelberg, Joseph, Jorge Guzman, Runjing Lu, and William Mullins. 2021. “Partisan Entrepreneurship”.  
Revise & Resubmit at *The Journal of Finance*. [link](#)

### Working Papers

17. Fazio, Catherine, Jorge Guzman, Yupeng Liu, and Scott Stern. 2021. “How is COVID Changing the Geography of Entrepreneurship? Evidence from the Startup Cartography Project”. [link](#)
18. Guzman, Jorge. 2021. “Treatment Effects in Strategic Management”. [link](#)
19. Guzman, Jorge, Inara Tareque and Dan Wang. 2022. “The Impact of High Skilled Immigration on Regional Entrepreneurship” [link](#)
20. Bahar, Dany, Bo Cowgill, and Jorge Guzman. 2022. “The Economic Effects of Immigration Pardons: Evidence from Venezuelan Entrepreneurs in Colombia” [link](#)
21. Colaiacovo, Innessa, Daniel Gross, and Jorge Guzman. 2023. “The Composition and Dynamics of Technology-Enabled Entrepreneurship”. [link](#)

### Inactive Working Papers

22. Catalini, Christian, Jorge Guzman and Scott Stern. 2019. “Hidden in Plain Sight: Venture Growth with and without Venture Capital”. [link](#)
23. Guzman, Jorge, and Yupeng Liu. 2019. “Short Term Credit Costs and U.S. Entrepreneurship” Working Paper. [link](#)
24. Conti, Annamaria, Jorge Guzman, and Ron Rabi. 2020. “Herding in the Market for Startup Acquisitions.” [link](#)

### Case-Writing

1. Guzman, Jorge. 2019. “Where to now? BlazingDB Contemplates Relocation”. *Columbia CaseWorks*. [link](#)
2. Carlson, Lindsey, and Jorge Guzman. 2020. “Kylie Cosmetics”. *Columbia CaseWorks*. [link](#)
3. Guzman, Jorge and Bilal Zeineddine. 2021. “Laws of Motion”. *Columbia CaseWorks*.
4. Guzman, Jorge. 2022. “Technology on Display: Can NFTs Redefine Art?”. *Columbia CaseWorks*.

## TEACHING

2018 — *Present (Columbia Business School)*

Strategy Formulation (Core) (Ratings out of 5.0: 4.8, 4.8, 4.7, 4.9)

Entrepreneurial Strategy (New Elective) (Ratings out of 5.0: 4.3, 4.4, 4.8, 4.8, 4.4, 4.4, 4.9, 4.3, 4.6)

2017 (*MIT Sloan*)

Entrepreneurial Strategy

## PROJECTS

*Startup Cartography Project*

<http://www.startupcartography.com>

*2016-Present*

This project leverages population-level business registration records and predictive analytics to form novel measures of entrepreneurial quantity, quality and performance at an arbitrary level of geographic and temporal granularity. The purpose of this website is to provide a public access interactive website, data repository, and research archive that makes this work accessible to researchers, public and private sector analysts, and the public. The website tools are designed to facilitate detailed visualization of entrepreneurial ecosystems (at multiple levels of visualization), track entrepreneurial dynamics over time, and provide data that might be applicable to a wide range of research and policy purposes.

## ACADEMIC SERVICE

*Panels*

2020-2022. Member of National Academies of Sciences, Engineering, and Medicine, *Planning Committee for Workshop on Women in Entrepreneurship*.

*Reviewer for Journals.*

2023. American Economic Journal: Applied (x2), Management Science (x3), Strategy Science, Organization Science, Administrative Science Quarterly (x2).

2022. Management Science (x3), Organization Science (x2), Journal of Economic Geography, Strategic Management Journal (x2), AEJ: Policy, Journal of Human Resources, American Economic Review: Insights, Administrative Science Quarterly, Journal of Political Economy, Journal of Economic Behavior and Organizations.

2021. Management Science (Entrepreneurship), Management Science (Finance), Organization Science, Journal of Economic Geography, Strategic Entrepreneurship Journal, Research Policy (x3), Journal of Law Economics and Organizations, Administrative Science Quarterly (x2), Strategic Management Journal, Entrepreneurship Theory and Practice, Review of Economics and Statistics, Quarterly Journal of Economics.

2020. Management Science (Entrepreneurship) (x3), Management Science (Finance), Management Science (Strategy), Research Policy (x3), Organization Science, Journal of Law, Economics, and Organizations, Administrative Science Quarterly, Strategic Entrepreneurship Journal.

2019. Journal of Financial Economics, Industrial and Corporate Change, Organization Science (x3), Management Science (Entrepreneurship) (x2), Management Science (Organizations), Academy of Management, Nature – Human Behavior, Economic Letters, Administrative Science Quarterly.

2018. American Economic Review: Insights, Organization Science, Journal of Banking and Finance, Management Science (Entrepreneurship).

*Pre 2018.* Journal of Economic Geography, International Journal for Technology Management, Management Science (Strategy), Strategic Management Journal.

*Reviewer for Conferences*

Academy of Management (Technology & Innovation Management Division), Academy of Management (Entrepreneurship Division), Strategic Management Conference.

*Reviewer for Funding Agencies.*

National Science Foundation (Geography and Spatial Sciences Program), National Science Foundation (Decision, Risk and Management Science Program), Washington Center for Equitable Growth, European Central Bank, European Commission (European Research Council), Sao Paulo Research Foundation, Chile Science Foundation.

*Conference Organizing.*

2023. Columbia-Wharton Conference on Management, Analytics and Data. (with Bo Cowgill, Natalie Carlson, and Bruce Kogut)

2022. Inaugural Columbia-Wharton Conference on Management, Analytics and Data. (with Bo Cowgill, Natalie Carlson, and Bruce Kogut)

2022. Conference on Women and Under-Represented Minorities in U.S. High-Growth Entrepreneurship at Brookings (led by Dan Elfenbein)

2022. NBER Place-based Policies and Innovation Workshop. (with Scott Stern and Heidi Williams.)

2018. 4<sup>th</sup> International Conference of the Dynamics of Entrepreneurship (CoDE / ZEW). (Scientific Committee)

4<sup>th</sup> International Conference on Computational Social Science (IC2S2) (Kellogg School of Management) (Program Committee)

**GRANTS, FELLOWSHIPS, AND AWARDS**

2022. EAGER: Place Based Innovation Policies Study Group (with Heidi Williams and Scott Stern). \$400,000

2022. The Strategy Research Foundation. Project: Measuring Strategy Lab. \$25,000

2021. Chazen Institute Faculty Research Grant \$10,000 (with Dany Bahar)

2020. Chazen Institute Faculty Research Grant \$10,000

. Columbia Institute for Latin American Studies (ILAS) conference grant: Entrepreneurship in Latin America. (with Nelson Freidman and Angela Quintero).

2019. Dean's Award for Junior Faculty Who Contribute to Diversity \$25,000

2018. Kauffman Foundation Uncommon Methods and Metrics (with Scott Stern, Cathy Fazio, and RJ Andrews) \$500,000

2017. NBER Post-Doctoral Fellowship in Entrepreneurship

2016. Ewing Marion Kauffman Dissertation Fellowship

2015. Jean Hammond (1986) and Michael Krasner (1974) Entrepreneurship Fund and the Edward B. Roberts (1957) Entrepreneurship Fund (w. Scott Stern)

2014. Jean Hammond (1986) and Michael Krasner (1974) Entrepreneurship Fund and the Edward B. Roberts (1957) Entrepreneurship Fund (w. Scott Stern)

2013. Jean Hammond (1986) and Michael Krasner (1974) Entrepreneurship Fund and the Edward B. Roberts (1957) Entrepreneurship Fund

2011. MIT Legatum Center for International Development Fellows Program (2011)

2010. MIT Public Service Center Fellowship (2010)

**ACADEMIC PRESENTATIONS**

(Does *not* include co-author presentations)

2023. American Economic Association (New Orleans, LA), University of Torino (Torino, Italy), University of Michigan Strategy (Ann Arbor, MI), University of California, Merced (Merced, CA), University of California, Berkeley (Berkeley, CA), NBER Entrepreneurship Boot Camp (Cambridge, MA), HBS Innovation Junior Strategy Meeting (Cambridge, MA), NBER Entrepreneurship and Innovation Policy and the Economy (Washington, DC), Brookings Papers of Economic Activity (Washington, DC), Academy of Management.
2022. Manhattan College (New York, NY), ESADE (virtual), NBER Conference on Immigrants and the U.S. Economy (discussant), Columbia/Wharton Conference on Management, Analytics, and Data (New York, NY), Strategy Science (New York, NY), Academy of Management (Seattle, WA), NBER Summer Institute: Entrepreneurship (Boston, MA), INSEAD Doriot Entrepreneurship Conference (Fontainebleau, France), Armenian Economics Association (virtual), NBER Entrepreneurship (Boston, MA), Georgia Tech Strategy (Atlanta, GA), Carey Finance Conference (MIT Sloan TIES (Cambridge, MA), University of Utah (virtual).
2021. Carnegie Mellon University, National University of Singapore, Virtual Digital Economy Seminar, University of Texas Rio Grande Valley, Georgetown Strategy Seminar, Columbia Strategy Crackle, Center for Foundations of Law and Finance (Frankfurt, Germany), Strategy Science, Wharton Conference on Migration and Organizations, NYU 12<sup>th</sup> Annual Economics of Strategy Workshop, NBER Summer Institute Entrepreneurship Meeting (co-author), UNC Conference on the Emergence Organizations, Markets, and Regions (Chapel Hill, NC), Urban Economics Association, Workshop on Entrepreneurial Finance and Innovation, Causal Data Science Meeting 2021, HEC Paris Entrepreneurship Conference, The European Winter Meeting of the Econometric Society, NBER I3.
2020. American Economic Association (San Diego, CA), United Nations Commission for the Status of Women (New York, NY), Columbia Management PhD Proseminar (New York, NY), Strategy Science Conference (Virtual / Philadelphia, PA), Columbia University Management Seminar (New York, NY), Workshop on Entrepreneurial Finance and Innovation (online), Tsinghua Conference on Innovation and Policy (Beijing, China; Cancelled), American Law & Economics Association (Chicago, IL), Strategic Management Society (London, UK), CCC Junior Faculty Meeting (online).
2019. Kauffman Uncommon Methods and Metrics (Kansas City, KS), Columbia Strategy Crackle (New York, NY), Columbia Business School Management Seminar (New York, NY), Eastern Economic Association Conference (New York, NY), Fordham University Strategy Seminar (New York, NY), Columbia Data Science Day (x2) (New York, NY), NYU Workshop on Artificial Intelligence and Strategy (New York, NY), Darden Global Entrepreneurship and Innovation Research Conference (Rosslyn, VA), Kauffman Foundation Mayors Conference (Kansas City, KS), Wharton Conference on Migration, Organizations, and Management (Philadelphia, PA), Cornell Conference on Entrepreneurial Ecosystems (Ithaca, NY), NBER Summer Institute Entrepreneurship Meeting (Discussant) (Boston, MA), Academy of Management Conference (Boston, MA), European Association for Research in Industrial Economics – EARIE (Barcelona, Spain), Washington University at St. Louis, Strategy and Entrepreneurship Seminar (St. Louis, MO), Columbia Entrepreneurial Finance Conference (New York, NY), NBER Science of Science (Cambridge, MA), CODE@MIT (Cambridge, MA), Data Science Day (Columbia), QMSS student seminar (Columbia), George Washington University, International Business Seminar (Washington D.C.).
2018. University of Toronto, Strategy Group (Toronto, Canada), Wharton Management Division (Philadelphia, PA), Fuqua School of Management Strategy Group (Durham, NC), Kellogg School of Management Strategy Group (Evanston, IL), MIT Sloan Doctoral 2018 Research Symposium and Thesis Prize (Cambridge, MA), IFN Entrepreneurship and Innovation Conference (Stockholm, Sweden), Tuck Business School Junior Faculty Summer Camp (Hanover, NH), AOM Session – Machine Learning and Artificial Intelligence in Strategy Research (Chicago, IL), Upjohn Institute (Kalamazoo, MI), Columbia Management PhD Proseminar (New York, NY), Columbia Data Science Institute – Center for Financial and Business Analysis Poster Session (New York, NY).

2017. Startup Cartography Project-Feedback Session (Cambridge, MA), 10<sup>th</sup> Annual USPTO-Searle Center Conference on Innovation Economics (Chicago, IL), Universidad Torcuato DiTella (Buenos Aires, Argentina), FORUM/EXC (Buenos Aires, Argentina), MIT Sloan TIES (Cambridge, MA), Kauffman Entrepreneurship Scholars Conference (Kansas City, KS), MIT iEcosystem Symposium (Cambridge, MA). Think Big: Data Innovation in Latin America and the Caribbean (Mexico City, Mexico), Roundtable for Engineering Entrepreneurship Research (REER) (Atlanta, GA), Columbia Business School, Management Division (New York), NYU Stern, Management Division (New York), London Business School, Strategy and Entrepreneurship (London), Boston University Questrom, Strategy and Innovation Group (Cambridge, MA), Harvard Business School Entrepreneurship (Cambridge, MA), UCSD Innovation Technology and Operations (ITO) (San Diego, CA).
2016. MIT Sloan TIES Seminar (Cambridge, MA), MIT Sloan PhD Academic Defense (Cambridge, MA), Kauffman Emerging Scholars Conference (Kansas City, MO), Third International ZEW Conference on the Dynamics of Entrepreneurship (Mannheim, Germany), CCC Doctoral Conference (Milan, Italy), Measurement of Entrepreneurial Ecosystems to US Census, Secretary of Commerce, and CEA (White House, Washington, DC).
2015. MIT Innovation Initiative – Roundtable on Innovation Metrics (Fall, 2015. Cambridge, MA). West Coast Research Consortium (WCRS) (Seattle, WA)
2014. TIES PhD Reading Group (Spring, 2014; Winter, 2014) NBER/CRIW Conference on Measuring Entrepreneurial Businesses. (Winter, 2014. Washington, DC)

## **STUDENT DISSERTATION MEMBERSHIP**

Kylie Hwang (Committee Member, Northwestern University)  
 Patryk Perkowski (Committee Member, Yeshiva University)  
 Jean Oh (Co-Chair)  
 Max Wang (Committee Member)  
 Tarikua Erda (Committee Member)

## **ASSOCIATIONS**

Professional Interest Organizations: American Economic Association, American Finance Association, Econometric Society, Academy of Management, Strategic Management Society.

Minority-Based Organizations: The PhD Project Management Doctoral Student Association (Association for minority U.S. citizens in management doctoral programs), American Association of Hispanic Economists.

## **NON-ACADEMIC EMPLOYMENT**

Microsoft Corporation Build Engineer / Software Developer	Redmond, WA 2007 – 2009
PriceStats Director of Data Engineering (first employee)	Cambridge, MA 2011-2012