

JASON M. BARR
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FIELDS OF INTEREST

Urban Economics, Computational Economics

POSITIONS

| | |
|--|----------------------------|
| Professor, Rutgers University-Newark | July 2017 – Present |
| Director of Graduate Studies, Economics Department, RU-N | July 2008 – June 2019 |
| Associate Professor, Rutgers University-Newark | July 2009 – June 2017 |
| Assistant Professor, Rutgers University-Newark | September 2003 – June 2009 |

FACULTY AFFILIATIONS

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|---|----------------------|
| Fellow, NYU Marron Institute | Sept. 2022 – Present |
| RU-N Institute at NENU, Changchun, China | 2016 – Present |
| Core Faculty, Ph.D. Program in Global Urban Systems, RU-N | 2016 – Present |

VISITING AND TEACHING POSITIONS

| | |
|--|----------------------------|
| Visiting Scholar, Fordham University | Fall 2019 |
| Adjunct Professor, Dept. of Economics, Columbia University | Spring 2018 |
| Adjunct Assoc. Professor, Dept. of Economics, Columbia University | Fall 2015 |
| Visiting Researcher, Observatoire Français des Conjonctures Economiques, Paris | May 2006 – June 2006 |
| Visiting Assistant Professor, Dartmouth College | September 2002 – June 2003 |

EDUCATION

COLUMBIA UNIVERSITY, Economics, Ph.D., 2002
COLUMBIA UNIVERSITY, Economics, M.A., 1997
EMERSON COLLEGE, Creative Writing, M.F.A., 1995
CORNELL UNIVERSITY, Consumer Economics and Housing, B.S. with Distinction, 1992

EDITORIAL DUTIES

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|--|-------------------------|
| Guest Editor, SI on Agent-based Urban Economics, <i>J. Economic Interaction & Coord.</i> | 2020-2022 |
| Guest Editor, Symposium on Urban Economics, <i>Eastern Economic Journal</i> | 2019-2020 |
| Board Member, <i>Journal of Real Estate Finance and Economics</i> | July 2018 – Present |
| Board Member, <i>Eastern Economic Journal</i> | February 2011 – Present |
| Board Member, <i>Journal of Economic Interaction and Coordination</i> | April 2011 – Present |

BOOK

Building the Skyline: The Birth and Growth of Manhattan's Skyscrapers. (2016). Oxford University Press. Website: <http://buildingtheskyline.org/>.

JOURNAL PUBLICATIONS

“Cities Without Skylines: Worldwide Building-Height Gaps and their Possible Determinants and Implications” (2022). *Journal of Urban Economics*. (with J. K. Brueckner and R. Jedwab), 132.

“The Economics of Skyscrapers: A Synthesis.” (2022). *Journal of Urban Economics*. (with G. Ahlfeldt), 129

“Viewing Urban Spatial History from Tall Buildings.” (2022). *Regional Science and Urban Economics*. (with G. Ahlfeldt), 94.

“Storm Surges, Informational shocks, and the price of urban real estate: An application to the Case of Hurricane Sandy.” (2021). *Regional Science and Urban Economics*. (with J. Cohen and E. Kim), 90.

“Growing Skylines: The Economic Determinants of Skyscrapers in China.” (2021). *Journal of Real Estate Finance and Economics*. (with J. Luo) 63(2), 210-248.

“Skyscrapers and the Happiness of Cities.” (2020). *Eastern Economic Journal* (with J. Johnson), 46, 344-377.

“What’s Manhattan Worth? A Land Values Index, 1950-2014.” (2018). *Regional Science and Urban Economics*, 70, 1-19. (with F. Smith and S. Kulkarni).

“The Dynamics of Subcenter Formation: Midtown Manhattan, 1861-1906.” (2016). *Journal of Regional Science*, 56(5), 754-791. (with T. Tassier).

“Skyscraper Height and the Business Cycle: Separating Myth from Reality.” (2015). *Applied Economics*, 47(2), 148-160. (with B. Mizrach and K. Mundra).

“The Floor Area Ratio Gradient: New York City, 1890-2009.” (2014). *Regional Science and Urban Economics*, 48, 110-119. (with J. Cohen).

“Skyscrapers and Skylines: New York and Chicago, 1885-2007.” (2013). *Journal of Regional Science*, 53(3), 369-391.

“Skyscraper Height” (2012). *Journal of Real Estate Finance and Economics*, 45(3), 723-753.

“Bedrock Depth and the Formation of the Manhattan Skyline, 1890-1915.” (2011). *Journal of Economic History*, 71(4), 1060-1077. (with T. Tassier and R. Trendafilov).

“Skyscrapers and the Skyline: Manhattan, 1895-2004.” (2010). *Real Estate Economics*, 38(3), 567-597.

“Endogenous Neighborhood Selection and the Attainment of Cooperation in a Spatial Prisoner's Dilemma Game.” (2010). *Computational Economics*, 35(5) 211-234 (with T. Tassier).

“Organization, Learning and Cooperation.” (2009). *Journal of Economic Behavior and Organization*, 70, 39-53 (with F. Saraceno).

“Who has the Power in the EU?” (2009). *Mathematical Social Sciences*, 57(3), 339-366 (with F. Passarelli).

“Assessing the Geographic Distribution of Same Sex and Opposite Sex Couples across the United States: Implications for Claims of Causality between Traditional Marriage and Same Sex Unions.” (2008). *Review of Economics of the Household*, 8, 347-367. (with J. W. Graham).

“Cournot Competition and Endogenous Firm Size.” (2008). *Journal of Evolutionary Economics*, 18(5), 615-638. (with F. Saraceno).

“Organizations Undertaking Complex Projects in Uncertain Environments.” (2008). *Journal of Economic Interaction and Coordination*, 3, 119-135 (with N. Hanaki).

“Segregation and Strategic Neighborhood Interaction.” (2008). *Eastern Economic Journal*, 34, 480-503. (with T. Tassier).

“Preferences, the Agenda Setter, and the Distribution of Power in the EU.” (2007). *Social Choice and Welfare*, 28(1), 41-60. (with F. Passarelli).

“Charter Schools and Urban Education Improvements: A Comparison of Newark’s District and Charter Schools.” (2006). *The Urban Review*, 38(4), 291-311. (with A. Sadovnik and L. Visconti).

“Teacher Location Choice and the Distribution of Quality: Evidence from New York City.” (2005). *Contemporary Economic Policy*, 23(4), 585-600.

“Cournot Competition, Organization and Learning.” (2005). *Journal of Economic Dynamics and Control*, 29, 277-295. (with F. Saraceno).

“A Computational Theory of the Firm.” (2002). *Journal of Economic Behavior and Organization*, 49, 345-361. (with F. Saraceno).

BOOK CHAPTERS, CONFERENCE PROCEEDINGS AND OTHER PUBLICATIONS

“High-rises versus Sprawl: The Impacts of Building Sizes and Land Uses on CO₂ Emissions.” (2022) In: *Sustainable High-Rise Buildings: Design, Technology, and Innovation*, ed. Kheir Al-Kodmany, Peng Du & Mir Ali (w. S. Want and U. Desirazu).

“Introduction to the Symposium on Urban Economics.” (2020). *Eastern Economic Journal*, 46, 219-223.

“Skyscrapers and City Well-Being in the United States: A Statistical Investigation.” (2019). Conference Proceedings for CTBUH 10th World Congress (with J. Johnson).

Book review of *Agent-Based Models in Economics: A Toolkit*. (2019). *Eastern Economic Journal*, 45(3), 477-480.

“Economic Drivers: Skyscrapers in China” (2017). Research Report for the Council on Tall Buildings and the Urban Habitat (with Jingshu Luo).

“Introduction to the Symposium on Agent-based Modeling” (2017). *Eastern Economic Journal*, 43(2), 189-91 (with C. Ruebeck and L. Ussher).

Book review of *Model Building in Economics: Its Purpose and Limitations*. (2017). *Eastern Economic Journal*, 43(2), 370-71.

“Skyscrapers and Skylines: The Case of China.” (2016). CTBUH Conference Proceedings, 423-430 (with Jingshu Luo).

Book review of *The Great Society Subway: A History of the Washington Metro*. (2016). *Journal of Economic History*. 76(1), 251-52.

“The Economics of Skyscraper Construction in Manhattan.” (2015). *CTBUH Journal*, 4, 34-39. Reprinted in *International Journal of High-Rise Buildings* (2016), 5(2), 137-144.

“Skyscrapers and Skylines: New York and Chicago, 1885-2007,” (2014). *CTBUH Journal*, 14(1), 18-23. (4,000 word version of *JRS* article written for general audience).

“Governance, Mayoral Control and Urban School Improvement: Lessons for Newark in a Climate of Conflict” (2014). In: *The International Handbook of Cultures of Educational Policy*, vol. 2 Ed: Béatrice Boufoy-Bastick, 931-960. (with A. Sadovnik and T. Davidson).

“Introduction to Symposium” (2011). *Eastern Economic Journal, Special Issue on Agent-Based Computational Economics*, 37(1), 1-5. (with T. Tassier, and L. Ussher).

“Introduction to Symposium” (2008). *Eastern Economic Journal, Special Issue on Agent-Based Computational Economics*, 34(4), 421-422. (with T. Tassier, and L. Ussher).

“Modeling the Firm as an Artificial Neural Network” (2006). In: *Handbook of Research on Nature Inspired Computing for Economy and Management*, Ed. Jean-Philippe Rennard (with F. Saraceno).

“Firm Size Dynamics in a Cournot Computational Model.” (2006). In: *Artificial Economics: Agent-Based Methods in Finance, Game Theory and their Applications*. Eds. Mathieu, P; Beaufils, B.; Brandouy, O. Springer. (with F. Saraceno).

WORKING PAPERS

“Exciting, Boring, and Non-Existent Skylines: Vertical Building Gaps in Global Perspective.” (with Remi Jedwab), September 2022

“The Simhattan Project: An Agent-based Model of Housing Affordability.” (with M. Hosseini and D. Scheer), November 2019.

“Population Density across the City: The Case of 1900 Manhattan.” (with Teddy Ort), October 2013

“Charter School Performance in New Jersey,” July 2007

External GRANTS

PI: “Estimating Housing Supply Elasticities for Manhattan from 1870 to 2017,” Land Economic Foundation, 2018-2021.

PI: “Skyscrapers and Skylines: The Case of China,” Council on Tall Buildings and the Urban Habitat, 2015-2016.

Co-PI: “Visionmker Jamaica Bay: Analysis of Community Generated Adaptation Strategies to Enhance Resilient Ecosystems in Jamaica Bay, New York,” WCF/National Parks Service, 2014-2016

REFEREE

Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Western Simulation Multiconference 2005, Structural Change and Economic Dynamics, Computational Economics, Contemporary Economic Policy, Metroeconomica, Economics of Education Review, European Economic Review, Education Evaluation and Policy Analysis, Journal of Artificial Societies and Social Simulation, Southern Economic Journal, National Science Foundation, Computational Management Science, Computational Intelligence, Netherlands Organisation for Scientific Research, Eastern Economic Journal, Real Estate Economics, Journal of Urban Economics, Journal of Economic Geography, International Journal of Technology, Policy and Management, AREA, Journal of Behavioral and Experimental Economics, Urban Studies, Cities, Urban Geography, Applied Economics, Journal of Real Estate Finance and Economics, Israel Science Foundation, Management & Organizational History, Journal of Regional Science, Review of Economics and Statistics, Journal of Housing and the Built Environment, Regional Science and Urban Economics, American Journal of Preventive Medicine, Environmental Impact Assessment Review, Earth System Science Data, Applied Geography, Buildings & Cities, Heliyon, Buildings, Buildings and Cities, Habitat International, Area Development and Policy, Journal of Urban History, Land, Journal of Urban Technology, Risks

MEDIA PUBLICATIONS

“1,760 Acres. That’s How Much More of Manhattan We Need.” [New York Times](#), January 14, 2022

“Want cheaper housing, more vibrant neighbourhoods and shorter commutes? Embrace tall buildings?” [The Currency](#), June 4, 2021 with Ronan Lyons.

“The Enduring City: Four Centuries of Crises in New York.” [City Journal](#), Special Issue, 2021

“New York’s Dynamism Will Triumph: The City’s History Offers Fresh Hope for a Resurgence.” [City Journal](#), October 8, 2020.

“Are Crowded Cities the Reason for the COVID-19 Pandemic?” [Scientific American](#), April 17, 2020. (w. Tassier).

“Smith, Marx, and...Picard? : Star Trek and Our Economic Future.” StarTrek.com, March 11, 2020.

“Solving the City's Traffic Nightmares.” Crain's New York Business, September 5, 2019.

“Stop the Sprawl! If We are Serious about our Future, We Must Look Up” (2018). Independent.ie, June 3 (with R. Lyons).

“Asia Dreams in Skyscrapers.” (2017). New York Times, October 11.

“Unshackle New York: A Lot of Zoning Rules are Outdated or Never Made Sense to Begin With.” (2017). Crain's New York Business, April 17.

“Manhattan Real Estate: What's Next?” (2016). <http://www.realeclearmarkets.com>, February 8 (with Anna Scherbina).

“The Myth of the Skyscraper Index” (2012). History News Network, December 17.

“Spagna e Polonia Reclamano il Potere si Veto dei 4 Grandi.” (2003) *Sole 24 Ore*, November 11, p. 3., Op-Ed article. (with F. Passarelli)

“Getting Teachers to Leave Home.” (2005) *Crain's New York Business*, Letter to the Editor, October 24.

CLASSES TAUGHT

Introduction to Microeconomics, Rutgers University
 Intermediate Microeconomics, Rutgers University
 Industrial Organization and Game Theory, Rutgers University
 Introduction to Statistics, Dartmouth College, Rutgers University
 Introduction to Econometrics, Dartmouth College, Rutgers University
 Urban and Regional Economics, Rutgers University, Columbia University
 Economic History of Newark, Honors College, Rutgers University
 Economic History of New York City, Honors College, Rutgers University
 Seminar in Applied Economics, Rutgers University
 Freshman Colloquium, Honors College, Rutgers University
 Computing for Economics, Rutgers University

OTHER WORK EXPERIENCE

Labor Relations Analyst, Mayor's Office of Labor Relations, New York City 2001- 2002

PROFESSIONAL ACTIVITIES

Board Member: Eastern Economic Association 2019-Present
 Co-founder: NYC Computational Economics & Complexity Workshop 2003-Present
