

VIKRAM MAHESHRI  
vmaheshri@uh.edu  
<https://vmaheshri.github.io>  
University of Houston  
301B Building T2  
Houston, TX 77204-5019

## Education

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- 2010 University of California, Berkeley  
Ph.D., Economics
- 2003 Massachusetts Institute of Technology  
S.B., Mathematics, Economics

## Academic Positions

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- 2025– Professor, Dept. of Economics, University of Houston
- 2018–25 Associate Professor, Dept. of Economics, University of Houston
- 2024 Visiting Scholar, Dept. of Electrical and Computer Engineering, Rice University
- 2018 Visiting Fellow, Collegio Carlo Alberto
- 2011–18 Assistant Professor, Dept. of Economics, University of Houston
- 2010–11 Visiting Assistant Professor, W. Allen Wallis Institute of Political Economy, University of Rochester
- 2003–05 Research Assistant, The Brookings Institution

## Papers

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1. “AI at the Wheel: The Effectiveness of Advanced Driver Assistance Systems,” with Clifford Winston and Yidi Wu, forthcoming, *Journal of Law and Economics*.
2. “A Unified Empirical Framework to Study Neighborhood Segregation,” with Gregorio Caetano, *Quantitative Economics*, 2025, vol. 16 (3), pp. 1023-1057.
3. “Migrants at Sea: Unintended Consequences of Search and Rescue Operations,” with Claudio Deiana and Giovanni Mastrobuoni, *American Economic Journal: Economic Policy*, 2024, vol. 16 (2), pp. 335-365.
4. “Linking Convolutional Kernel Size to Generalization Bias in Face Analysis CNNs,” Hao Liang, Josue Caro, Ankit Patel and Guha Balakrishnan, *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision*, 2024, pp. 4705-4715.
5. “Explaining Recent Trends in US School Segregation,” with Gregorio Caetano, *Journal of Labor Economics*, 2023, vol. 41, pp. 175-203.

6. "The Race Between Deterrence and Displacement: Theory and Evidence from Bank Robberies," with Giovanni Mastrobuoni, *Review of Economics and Statistics*, 2021, vol. 103 (3), pp. 547-562.
7. "Gender Segregation Within Neighborhoods," with Gregorio Caetano, *Regional Science and Urban Economics*, 2019, vol. 17, pp. 253-263.
8. "Identifying Dynamic Spillovers in Criminal Behavior with a Causal Approach to Model Selection," with Gregorio Caetano, *Quantitative Economics*, 2018, vol. 9, pp. 343-394.
9. "From Gallons to Miles: A Short Run Disaggregate Analysis of Automobile Travel and Externality Taxes," with Ashley Langer and Clifford Winston, *Journal of Public Economics*, 2017, vol. 152, pp. 34-46.
10. "School Segregation and the Identification of Tipping Behavior," with Gregorio Caetano, *Journal of Public Economics*, 2017, vol. 148, pp. 115-135.
11. "Did the Great Recession Keep Bad Drivers Off the Road?," with Clifford Winston, *Journal of Risk and Uncertainty*, 2016, vol. 52, pp. 1-26.
12. "A dynamic Duverger's law," with Jean Guillaume Forand, *Public Choice*, 2015, vol. 165 (3), pp. 285-306
13. "An Exploratory Study of the Pricing of Legal Services," with Clifford Winston, *International Review of Law and Economics*, 2014, vol. 38, pp. 169-173.
14. "Long Run Effects of Mergers: The Case of US Western Railroads," with Clifford Winston and Scott M. Dennis, *Journal of Law and Economics*, 2011, vol. 54, pp. 275-303.
15. "On the Social Desirability of Urban Rail Transit Systems," with Clifford Winston, *Journal of Urban Economics*, 2007, vol 62 (3), pp. 362-382.
16. "An Exploration of the Offset Hypothesis Using Disaggregate Data: The Case of Airbags and Antilock Brakes," with Clifford Winston and Fred Mannering, *Journal of Risk and Uncertainty*, 2006, vol. 32 (2), pp. 83-99.

## Books and Book Chapters

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1. *First Thing We Do, Let's Deregulate all the Lawyers*, with Clifford Winston and Robert Crandall, 2011, Brookings Institution Press.
2. "The Effect of Reductions in Vehicle Miles Traveled on Highway Fatalities and Congestion with Heterogeneous Motorists", with Clifford Winston, *Revitalizing a Nation: Competition and Innovation in the US Transportation System*, 2023, Brookings Institution Press.
3. "Railroad Competition and Innovation", with Clifford Winston, Jia Yan and Scott Dennis, *Revitalizing a Nation: Competition and Innovation in the US Transportation System*, 2023, Brookings Institution Press.

## Working Papers

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1. "Time Use and the Pursuit of Happiness," with Dionissi Aliprantis.

2. "The Ubiquity of Tiebout Sorting Across Neighborhood Boundaries," with Kenneth Whaley.
3. "A Critique of Automobile Safety Research Methodologies: Implications for Policymakers as We Enter the Autonomous Era," with Clifford Winston, revise and resubmit, *Journal of Risk and Uncertainty*.
4. "Cultural Remittances and Diasporas"

## Works in Progress

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1. "Recommendation Spillovers"
2. "Regulating Algorithmic Collusion," with Ankit Patel and Ryan Pyle.
3. "Algorithmic Policing in the Shadow of Deterrence: Theory and Evidence," with Giovanni Mastrobuoni and Brian Murphy.
4. "Schelling Meets Hotelling: Segregation Dynamics and Policies," with Gregorio Caetano.
5. "From Drought to Dope: Weather Shocks, Cartel Takeovers, and Labor Out-Migration in Mexico," with Jose Bucheli, Claudio Deiana and Giovanni Mastrobuoni.
6. "The Timing Inference Problem," with Carolina Caetano and Gregorio Caetano.
7. "Short- and Long-Run Impacts of Vietnam War Conscription on Rural America," with Carl Sanders.

## Resting Papers

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"(De)Regulation and Market Thickness," with Jean Guillaume Forand.

## Grants, Fellowships and Awards

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2024	Arnold Ventures Grant, "The Limits of Algorithmic Policing in the Shadow of Deterrence: Theory and Evidence" (\$69,999)
2024	Visiting Fellowship, Collegio Carlo Alberto
2021	NSF Grant #2126633 SCC-PG Pilot for Equitable Electric Mobility (\$149,999)
2020	Visiting Fellowship, Collegio Carlo Alberto
2018	Visiting Fellowship, Collegio Carlo Alberto
2014	American Automobile Association Research Grant (\$15,000)
2012	UH New Faculty Research Grant
2010	Postdoctoral Fellowship, W. Allen Wallis Institute of Political Economy
2010	Tobin Project Research Fellowship, Democracy and Markets
2009	Mike Synar Graduate Research Fellowship, UC Berkeley Institute of Government Studies
2009	Dissertation Research Award, UC Berkeley Institute of Business and Economic Research

- 2009 Dean's Normative Time Fellowship, UC Berkeley
- 2008 Outstanding Graduate Student Instructor, UC Berkeley
- 2007 Grace Katagiri Prize for best empirical paper by a graduate student, UC Berkeley Dept. of Economics
- 2003 Outstanding Teaching Assistant, MIT Dept. of Economics

## Teaching and Advising

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Instructor *Department of Economics, University of Houston*  
 Microeconomics II (PhD), 2023-2025  
 Social Economics (PhD), 2015, 2016, 2018, 2020, 2023, 2025  
 Social Economics (UG), 2018, 2021, 2023  
 Probability and Statistics (PhD), 2011-2022  
 Graduate Research Seminar (PhD), 2019-2023

*Department of Economics, University of Rochester*  
 Political Economy I (PhD), 2010

PhD Students (initial placement)

- Current Ezechias Djima, Chien-Yu Chen\*, Victor David Bernal\*, Henam Singla\*
- 2023 Hussain Hadah\* (PostDoc, Tulane University), Weonhyeok Chung (Korean Institute for International Economic Policy)
- 2022 Yeabin Moon (Lecturer, Brandeis International Business School)
- 2021 William Labadie\* (Assistant Professor, Earlham College)
- 2020 Elizabeth Luh\* (PostDoc, U Michigan CJARS)
- 2019 Saumya Rana\* (Welch Consulting), Dimithu Ratnadiwakara (Assistant Professor, LSU Finance)
- 2017 Yilin Dong (Assistant Professor, Southwestern University of Economics and Finance)
- 2014 Bin Gao (Assistant Professor, Sichuan University), Senay Topal

\* Primary Adviser

## Activities

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Presentations

- 2026 NBER Transportation Economics in the 21st Century, Western Economics Association Meetings
- 2025 Workshop on Risky Behaviors, ENS Lyon, University of Cagliari
- 2024 American Economics Association Meetings, University of Houston (Math), NBER Transportation in the 21st Century Conference, Collegio Carlo Alberto

- 2023 American Economics Association Meetings, Texas Econometrics Camp, Purdue, George Washington University, University of S. Florida, Sam Houston State University, Brookings Institution, Southern Economics Association Meetings
- 2022 American Economics Associate Meetings, Southern Economics Association Meetings
- 2021 Southern Economics Association Meetings, Urban Economics Association Meetings
- 2020 UN Research Conference on Forced Displacement, Urban Economics Association Meetings, EBRD/Kings College Conference on Migration, Southern Economics Association Meetings
- 2019 Workshop on Risky Behaviors, CReAM/RWI Migration Workshop, European Bank for Reconstruction and Development, Stata Texas Empirical Micro Conference, Southern Economics Association Meetings
- 2018 Rice, Delaware, U Penn, SOLE Annual Meetings, Collegio Carlo Alberto
- 2017 American Law and Economics Association Meetings, NBER Summer Institute (Urban Economics), Transatlantic Conference on Crime
- 2016 University of S. Florida, UC Riverside, Claremont Graduate University
- 2015 Texas Econometrics Camp, NBER Summer Institute (Urban Economics)
- 2014 University of Essex, North American Regional Science Association/Urban Economics Association Meetings
- 2013 Santa Clara University, Clemson, AEI, Simon Fraser, American Law and Economics Association Meetings, Stata Texas Empirical Micro Conference, Transatlantic Conference on Crime, Association for Public Policy and Management Annual Meetings
- 2012 Texas Econometrics Camp, Public Choice Society World Congress, UC Berkeley, Baylor
- 2011 Stata Texas Empirical Micro Conference, American Political Science Association Meetings, Rice, University of Waterloo
- 2010 University of Rochester, University of Houston, University of Miami, Department of Justice, UC Berkeley
- 2009 UC Berkeley
- 2008 NBER Graduate Political Economy Conference, Conference on the Study of Democracy

Referee for *AEJ: Applied Economics*; *AEJ: Economic Policy*; *American Economic Review*; *American Economic Review: Insights*; *American Law and Economic Review*; *Atlantic Economic Review*; *Economic Inquiry*; *Economics of Education Review*; *Empirical Economics*; *International Economic Review*; *Journal of Economic Behavior and Organization*; *Journal of Conflict Resolution*; *Journal of Environmental Economics and Management*; *Journal of the European Economic Association*; *Journal of Housing Economics*; *Journal of Human Resources*; *Journal of Industry, Competition and Trade*; *Journal of Law and Economics*; *Journal of Legal Studies*; *Journal of Political Economy*; *Journal of Public Economics*; *Journal of Risk and Uncertainty*; *Oxford Bulletin of Economics and Statistics*; *Public Choice*; *Quantitative Economics*; *Quarterly Journal of Economics*; *Scottish Journal of Political Economy*, *Journal of Urban Economics*; *Regional Science and Urban Economics*; *Review of Economics and Statistics*; *Review of Economic Studies*; *Review of Industrial Organization*; *Social Choice and Welfare*; *Sociological Research and Methods*; *Transportation Research: Part B*

## Service

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2019-2022,

2025- UH Economics Department Executive Committee

2023-2025 UH Faculty Senate

2021-2025 UH Economics Department PhD Admissions Committee

## Other Information

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Citizenship: US

US Census Bureau Special Sworn Status