

ELIZABETH ROBERTO

Rice University, Department of Sociology, MS-28
6100 Main Street, Houston, TX 77005-1827

eroberto@rice.edu
www.elizabethroberto.com

EDUCATION

Ph.D. with Distinction, Sociology, Yale University, 2015

Dissertation: "The Boundaries of Spatial Inequality: Three Essays on the Measurement and Analysis of Residential Segregation"

Committee: Richard Breen (Chair), Julia Adams, Scott Page (University of Michigan)

- Marvin B. Sussman Dissertation Prize (2017), Yale University

M.Phil., Sociology, Yale University, 2011

M.A., Sociology, Yale University, 2011

M.P.A., Education and Social Policy, The George Washington University, 2002

B.A., Human Services, Cum Laude with Special Honors, The George Washington University, 2000

PROFESSIONAL APPOINTMENTS

2018-present

Assistant Professor, Department of Sociology, Rice University

Affiliated Faculty, Data Science Initiative, Rice University

2024-present

Founding Co-Director, Center for Computational Insights on Inequality and Society,
Rice University

2017-present

Research Affiliate, Institute for Analytical Sociology, Linköping University

2015-2018

James S. McDonnell Foundation Postdoctoral Fellow, Department of Sociology,
Princeton University

2017-2018

Lecturer, Department of Sociology, Princeton University

RESEARCH & TEACHING INTERESTS

Social and Spatial Inequality, Residential Segregation, Urban Sociology, Sociological Research Methods, Computational Social Science, Spatial Analysis, Quantitative Methods, Complex Adaptive Systems

PUBLICATIONS

(*student **postdoctoral fellow at time of submission)

Articles

Hwang, Jackelyn, **Elizabeth Roberto**, Francine I. Stephens*, and Jacob Rugh. Forthcoming. "Integrating or Segregating? Gentrification, the Changing City-Suburb Divide, and Black Exceptionalism." *Social Forces*.

- Roberto, Elizabeth**, Yu Zhu*, Santiago Segarra, and Jaleh Jalili**. 2026. "Counterfactual Road Networks: A Method for Examining Social and Spatial Division in Road Networks." *Sociological Methodology* 56(1): 62-95. <https://doi.org/10.1177/00811750251382926>
- Honorable Mention, Jane Addams Article Award (2026), American Sociological Association Section on Community and Urban Sociology
 - Media: *Marketplace Morning Report* with David Brancaccio on May 20, 2025
- Law, Tina**, and **Elizabeth Roberto**. 2025. "Generative Multimodal Models for Social Science: An Application with Satellite and Streetscape Imagery." *Sociological Methods & Research* 54(3): 889-932. <https://doi.org/10.1177/00491241251339673>
[Replication Code and Data: <https://doi.org/10.7910/DVN/6QGZOA>]
- Korver-Glenn, Elizabeth, Itēoluwaikiishí Arigbabu, Alisa Rogers*, Sarah Valdez, and **Elizabeth Roberto**. 2025. "Neighborhood (De)Stigmatization and (Non-)Performativity among Immigrant and Native-Born Swedish Residents." *Identities*. <https://doi.org/10.1080/1070289X.2025.2550856>
- Korver-Glenn, Elizabeth, Alisa Rogers*, Sarah Valdez, and **Elizabeth Roberto**. 2025. "Structured Encounters and Immigrant Experiences of Integration in Sweden." *Journal of Ethnic and Migration Studies* 51(3): 737-758. <https://doi.org/10.1080/1369183X.2023.2290445>
- Korver-Glenn, Elizabeth, **Elizabeth Roberto**, Leah Binkovitz*, and Sarah Mayorga. 2024. "Barriers and Boundaries: How Residents Make Meaning of Segregating Built Environments." *Sociological Perspectives* 67(4-6): 261-288. <https://doi.org/10.1177/07311214241274159>
- Roberto, Elizabeth**, and Elizabeth Korver-Glenn. 2021. "The Spatial Structure and Local Experience of Residential Segregation." *Spatial Demography* 9: 277-307. <https://doi.org/10.1007/s40980-021-00086-7>
- Roberto, Elizabeth**. 2018. "The Spatial Proximity and Connectivity Method for Measuring and Analyzing Residential Segregation." *Sociological Methodology* 48(1): 182-224. <https://doi.org/10.1177/0081175018796871> [Supplementary Material: https://journals.sagepub.com/doi/suppl/10.1177/0081175018796871/suppl_file/sm796871_appendices.pdf]
- 2018 *Sociological Methodology* Featured Article
- Roberto, Elizabeth**, Anthony A. Braga, and Andrew V. Papachristos. 2018. "Closer to Guns: The Role of Street Gangs in Facilitating Access to Illegal Firearms." *Journal of Urban Health* 95(3): 372-382. <https://doi.org/10.1007/s11524-018-0259-1>
- Papachristos, Andrew V., Christopher Wildeman, and **Elizabeth Roberto**. 2015. "Tragic, but Not Random: The Social Contagion of Nonfatal Gunshot Injuries." *Social Science & Medicine* 125: 139-150. <https://doi.org/10.1016/j.socscimed.2014.01.056>

Articles Under Review & In Progress

- Roberto, Elizabeth**, and Jackelyn Hwang. "Barriers to Integration: Physical Barriers and the Spatial Structure of Racial Residential Segregation." [Revise & Resubmit, *Population Research and Policy Review*]
- Roberto, Elizabeth**. "The Divergence Index: A Decomposable Measure of Segregation and Inequality." <https://doi.org/10.48550/arXiv.1508.01167> [Preparing for Submission, *Sociological Methodology*]
- Roberto, Elizabeth** and Caroline Wolski*. "Functional Clustering for the Social Science Toolkit." [Preparing for Submission, *Sociological Methods and Research*]
- Roberto, Elizabeth**. "(Infra)Structural Racism: Social and Spatial Division in Road Networks." [In Progress]

Book Chapters

Hwang, Jackelyn, **Elizabeth Roberto**, and Jacob Rugh. 2019. "Residential Segregation in the Twenty-First Century and the Role of Housing Policy," In *How Public Policy Impacts Racial Inequality*, edited by Josh Grimm and Jaime Loke. Baton Rouge, LA: Louisiana State University Press.
https://muse.jhu.edu/pub/236/edited_volume/chapter/2287270

Essays and Reports

Roberto, Elizabeth. 2008. *Commuting to Opportunity: The Working Poor and Commuting in the United States*. Washington, D.C.: The Brookings Institution. https://www.brookings.edu/wp-content/uploads/2016/06/0314_transportation_puentes.pdf

Roberto, Elizabeth. 2008. *Highlights of the 2006 National Census of Ferry Operators*. Washington, D.C.: U.S. Bureau of Transportation Statistics. <https://rosap.ntl.bts.gov/view/dot/34729>

Jeffery Memmott, Bruce Goldberg, Scott M. Dennis, Ken Notis, Deborah Johnson, Steve Beningo, David Chien, **Elizabeth Roberto**. 2007. "Introduction" in *Compendium on Congestion: Issues and Analyses Across Modes*. Washington, D.C.: U.S. Bureau of Transportation Statistics.
<https://trid.trb.org/View/830274>

U.S. Bureau of Transportation Statistics. 2007. *Significant Accomplishments Report 2007*. Washington, D.C. <https://rosap.ntl.bts.gov/view/dot/6319>

Bose, Jonaki, Lee Giesbrecht, Joy Sharp, Jeffery Memmott, Maha Khan, and **Elizabeth Roberto**. 2004. "A Picture of Long-Distance Travel Behavior of Americans Through Analysis of the 2001 National Household Travel Survey," in the proceedings of the *National Household Travel Survey Conference: Understanding Our Nation's Travel*. Washington, D.C.: Transportation Research Board of the National Academies. <https://onlinepubs.trb.org/onlinepubs/archive/conferences/nhts/Sharp.pdf>

U.S. Government Accountability Office. 2004. *Transportation-Disadvantaged Seniors: Efforts to Enhance Senior Mobility Could Benefit from Additional Guidance and Information*, GAO-04-971. Washington, D.C. <https://www.gao.gov/products/gao-04-971>

Roberto, Elizabeth. 2003. *Commuting Expenses: Disparity for the Working Poor*. Washington, D.C.: U.S. Bureau of Transportation Statistics. <https://rosap.ntl.bts.gov/view/dot/6339>

RESEARCH GRANTS & FELLOWSHIPS

Awarded, External Funding

2025-2030. "CAREER: Understanding the Relationship between the Social and Built Environment of Cities." National Science Foundation. Award #2443178. **Elizabeth Roberto** (PI). \$500,000.

2022-2023. "Understanding and Overcoming Data Biases to Enable More Equitable and Reliable Flood Alert." National Academies of Sciences, Engineering, and Medicine's Gulf Research Program. Award #2000013194. Jamie Padgett (PI), **Elizabeth Roberto** (Co-PI), Bill Fulton, Phil Bedient, and Devika Subramanian. \$300,000.

2019-2024. "The Role of the Built Environment in Immigrant Integration." The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (FORMAS). Proposal No. 2018-01403. Sarah Valdez (PI), **Elizabeth Roberto**, and Elizabeth Korver-Glenn. 2,816,927 SEK [310,000 USD].

2018-2021. "The Spatial Structure of Income Segregation by Race, Ethnicity, and Nativity in Houston." American Sociological Association Fund for the Advancement of the Discipline. Elizabeth Korver-Glenn and **Elizabeth Roberto**. \$7,800.

2015-2018. "The Spatial Dynamics of Social Inequality in U.S. Cities." James S. McDonnell Foundation Postdoctoral Fellowship Award in Studying Complex Systems. **Elizabeth Roberto** (PI). \$200,000. <https://doi.org/10.37717/220020415>

Awarded, Internal Funding

2024-2029. "Center for Computational Insights on Inequality and Society." Collaborative Research Center Funding, Rice University. Fred Oswald (PI) and **Elizabeth Roberto** (PI). \$500,000.

2026. "Small Learning Community on AI and Complex Social Systems." Accelerating Responsible AI for Education at Rice Initiative, Rice University. Corey Abramson and **Elizabeth Roberto**. \$7,000.

2025-2026. "AI-Centered Revision of 'Data, Ethics, and Society in the Era of AI.'" Accelerating Responsible AI for Education at Rice Initiative, Rice University. Corey Abramson and **Elizabeth Roberto**. \$5,000.

2024. Faculty Research Training Grant. Social Sciences Research Institute, Rice University. **Elizabeth Roberto** (PI). \$2,332.

2023-2026. "(Infra)Structural Racism: Studying the Historical and Contemporary Relationship between the Social and Built Environment of Cities." BRIDGE Seed Grant, Rice University. **Elizabeth Roberto** (PI), Jaleh Jalili, Tina Law, and Ian Kennedy. \$49,708.

2022-2023. "Historical Segregation and the Built Environment." The Ken Kennedy Institute Digital Humanities Projects Seed Funding, Rice University. **Elizabeth Roberto** (PI). \$10,000.

2022-2023. "Community-Oriented Stormwater Infrastructure (COSI): Rethinking Flood Hazard Mitigation for the Sunnyside Neighborhood on Sims Bayou." Rice University Sustainable Futures Fund. Maggie Tsang (PI), Philip Bedient, and **Elizabeth Roberto**. \$50,000.

2020-2021. "Black Life in Houston: An Atlas of Racial Inequity, Displacement, and Integration." Rice University Race and Anti-Racism Research Fund. Farès el-Dahdah (PI), Jenifer Bratter, Jeffrey Fleisher, Fabiola Lopez-Duran, Molly Morgan, Brian Ridel, **Elizabeth Roberto**, Moshe Vardi, Fay Yarbrough, Nicole Waligora-Davis, Lora Wildenthal. \$65,000.

2020-2022. "Social Inequalities In Houston's Environmental Adaptation: A Longitudinal-Comparative Study Of People & Places In The Federal Buyout Program." Rice University BRIDGE Seed Grant. Jim Elliott (PI), David Alexander, Phil Bedient, Bill Fulton, Jamie Padgett, **Elizabeth Roberto**. \$50,000.

2019-2021. "Urban Graph Theory: Designing New Methods to Study Road Networks, Residential Segregation, and Urban Change." Rice University InterDisciplinary Excellence Awards. **Elizabeth Roberto** (PI), Santiago Segarra, James Elliott, and Farès el-Dahdah. \$74,505.

Withdrawn

2026-2027. "Built to Divide: How Racist Infrastructure Shapes Home Values." BRIDGE Seed Grant, Rice University. **Elizabeth Roberto** (PI). \$43,223.

AWARDS AND HONORS

2025-2030, National Science Foundation CAREER Award

2026, Honorable Mention, Jane Addams Article Award, American Sociological Association Section on Community and Urban Sociology

2017, Marvin B. Sussman Dissertation Prize, Yale University

2008-2015, Yale Club of New Haven Scholarship

2011-2014, Social Science History Association Tilly Travel Award

2012-2013, University Dissertation Fellowship, Yale University

2012, Dissertation Advancement Grant, Department of Sociology, Yale University

2008-2012, Graduate School of Arts and Sciences Fellowship, Yale University

2011, George M. Camp Ph.D. Grant, Department of Sociology, Yale University
 2010, American Sociological Association Travel Award Grant supported by the National Science Foundation
 2002, Community Service Award, School of Public Policy and Public Administration, The George Washington University
 2002, Distinguished Graduate Teaching Assistant Award (Finalist), The George Washington University
 1996-2000, Presidential Academic Scholarship, The George Washington University
 1998-2000, Mary Ellen Caplin Scholarship, The George Washington University
 1998, Excellence in Peer Leadership Award, The George Washington University

INVITED TALKS AND PANELS

The Infrastructure of Inequality

2026, University of Notre Dame, Keough School of Global Affairs, September 4
 2026, University of California, Santa Barbara, Broom Center for Demography, June 1

Discussant for *Dynamic Individuals, Static Neighborhoods: Migration, Earnings Changes, and Concentrated Poverty*

2025, Federal Reserve Bank of Minneapolis, Opportunity & Inclusive Growth Institute Research Conference, November 13

Residential Segregation

2025, Baylor College of Medicine, Center for Global Surgery, October 15

The Infrastructure of Inequality: Road Network Disconnectivity and Racial Disparities in U.S. Cities

2024, NYU Abu Dhabi, 3rd CITIES Symposium, November 21

The Spatial Proximity and Connectivity Method for Measuring and Analyzing Residential Segregation

2025, University of Michigan, Landscapes of Population Health Meeting, January 17
 2019, Santa Fe Institute, Graduate Workshop in Computational Social Science Alumni Conference, June 14
 2018, Rice University, Machine Learning Lunch Seminar, August 22

Constructing Segregation: Examining Social and Spatial Division in Road Networks

2023, University of Minnesota, IPUMS30 Research Showcase, October 13
 2023, Linköping University, Institute for Analytical Sociology, Sociology Seminar, March 30
 2023, University of Washington, Center for Studies in Demography and Ecology Seminar Series, May 26

The Spatial Structure and Local Experience of Residential Segregation

2020, Yale University, Department of Sociology Colloquium, March 4

Information Theory and the Sociological Study of Social and Spatial Inequality

2018, Santa Fe Institute, Extending the Reach of Info-Metrics to Dynamics and Non-Hierarchical Complex Systems, March 15

Teaching Data Visualization

2018, Princeton University, McGraw Center for Teaching and Learning, March 6

Barriers to Integration: Institutionalized Boundaries and the Spatial Structure of Residential Segregation

2017, Santa Fe Institute, Postdocs in Complexity Conference, July 12
 2017, Princeton University, Princeton-Mellon Initiative Urban Futures Colloquium, April 21
 2016, Princeton University, Quantitative Social Science Colloquium, December 9

The Boundaries of Spatial Inequality: Three Essays on the Measurement and Analysis of Residential Segregation

2017, Yale University, Marvin B. Sussman Dissertation Award Lecture, April 18

Panel on Data and Methodological Issues

- 2016, Brown University, Population Studies and Training Center, Workshop on Urban Inequality: Longitudinal, Multilevel, and Spatial Approaches, November 11
- The Spatial Context of Residential Segregation
2016, Texas A&M and Rice University, Innovations in the Measurement and Analysis of Racial Segregation, September 16 (Featured Speaker)
- The Divergence Index: A New Measure of Inequality and Segregation
2016, Texas A&M and Rice University, Innovations in the Measurement and Analysis of Racial Segregation, September 16 (Featured Speaker)
- The Local Dynamics of Residential Segregation and Violent Crime
2016, The Rockwool Foundation (Copenhagen, Denmark), June 7
- The Other Side of the Tracks: Spatial Boundaries and Residential Segregation in U.S. Cities
2016, Princeton University, Postdoctoral Seminar Series, May 19
- Closer to Guns, Closer to Crime: The Role of Street Gangs in Facilitating Access to Illegal Guns
2016, Russell Sage Foundation, The Underground Gun Market: Implications for Regulation and Enforcement, April 29
- Spatial Boundaries and the Local Context of Residential Segregation
2016, The Pennsylvania State University, Population Research Institute, April 12
2016, Princeton University, Department of Sociology, February 15
2015, Columbia University, Networks and Time Workshop, September 24
2015, Santa Fe Institute, July 1
2014, Princeton University, Theorodology Workshop, December 4
- The Resolution of Residential Segregation in U.S. Cities
2014, Fairfield University, Sociology Department, April 29

PRESENTATIONS

- Functional Clustering for the Social Science Toolkit (with Caroline Wolski)
2026, American Sociological Association Annual Meeting
2026, Population Association of America Annual Meeting
- (Infra)Structural Racism
2025, Annual Meeting of the Social Science History Association
2025, Annual Meeting of the International Network of Analytic Sociologists
- The Infrastructure of Inequality: Road Network Disconnectivity and Racial Disparities in U.S. Cities
2025, American Sociological Association Annual Meeting
2025, Population Association of America Annual Meeting
- Sites of Division: Using Network Analysis and GPT to Examine Social and Spatial Division
2024, Generative AI and Sociology Workshop at Yale University
2023, American Sociological Association Annual Meeting
2023, Annual Meeting of the International Network of Analytic Sociologists
2023, Population Association of America Annual Meeting
- Securing Segregation: Redlining, Physical Barriers, and the Persistence of Segregation
2023, American Sociological Association Annual Meeting
2023, Population Association of America Annual Meeting
2022, Annual Meeting of the Social Science History Association
- Constructing Segregation: Examining Social and Spatial Division in Road Networks
2022, Population Association of America Annual Meeting
2022, American Sociological Association Annual Meeting

- Barriers and Boundaries: Built Environments, Meaning-Making, and Race-and-Income Segregation
2021, American Sociological Association Annual Meeting
- Constructing Segregation: Examining Social and Spatial Division in Road Networks with Community Detection Algorithms
2020, Population Association of America Annual Meeting
- The Spatial Structure and Local Experience of Segregation
2019, American Sociological Association Annual Meeting
2018, American Sociological Association Annual Meeting
2018, Population Association of America Annual Meeting
- The Spatial Proximity and Connectivity Method for Measuring and Analyzing Residential Segregation
2018, American Sociological Association Annual Meeting
2018, Population Association of America Annual Meeting
- Gentrification and the Changing Structure of Segregation: Decomposing Segregation by Race, Class, and the City-Suburb Divide
2019, Population Association of America Annual Meeting (presented by Jackelyn Hwang)
2018, Annual Meeting of the Social Science History Association
- The Divergence Index: A Decomposable Measure of Segregation and Inequality
2017, American Sociological Association Annual Meeting
2017, Meeting of the International Sociological Association Research Committee on Social Stratification and Mobility (RC28)
2017, Annual Meeting of the International Network of Analytic Sociologists
2016, Princeton University, Theorodology Workshop
2015, ASA Methodology Section Mid-Year Meeting
- The Other Side of the Tracks: Measuring the Impact of Spatial Boundaries on Residential Segregation
2017, Population Association of America Annual Meeting
2017, ASA Methodology Section Mid-Year Meeting
- Barriers to Integration: Institutionalized Boundaries and the Spatial Structure of Residential Segregation
2017, Population Association of America Annual Meeting
2016, American Sociological Association Annual Meeting
- Urban Transformations and the Changing Structure of Segregation in the 21st Century
2017, American Sociological Association Annual Meeting
2017, Population Association of America Annual Meeting
- Spatial Boundaries and the Local Context of Residential Segregation
2015, Annual Meeting of the Social Science History Association
2015, American Sociological Association Annual Meeting
2015, Annual Meeting of the International Network of Analytic Sociologists
2015, Population Association of America Annual Meeting
- The Spatial Context of Residential Segregation
2016, American Sociological Association Annual Meeting
2014, American Sociological Association Annual Meeting
- The Local Dynamics of Residential Segregation and Violent Crime
2016, Annual Meeting of the Social Science History Association
2016, Population Association of America Annual Meeting
- Deference, Defiance, and the Dynamics of Status Hierarchies
2016, Annual Meeting of the International Network of Analytic Sociologists
- The Resolution of Residential Segregation in U.S. Cities
2014, American Sociological Association Annual Meeting

2013, Annual Meeting of the Social Science History Association
 A Counterfactual Geography of Spatial Boundaries and Residential Segregation
 2014, Annual Meeting of the Social Science History Association
 Generations of Change: A Historical Geography of New Haven, CT
 2013, American Sociological Association Annual Meeting
 2013, Yale University, Center for Comparative Research Graduate Student Conference
 2012, Yale University, Center for Comparative Research Workshop
 2011, Annual Meeting of the Social Science History Association
 2011, Yale University, Frontiers of Comparative Sociological Research Conference
 The Emergence of Status Hierarchies: An Agent-Based Replication of Gould's Formal Model
 2011, Santa Fe Institute, Graduate Workshop in Computational Social Science Modeling and Complexity
 2009, Yale University, Applied Social Research Workshop
 The Interaction of Individual Preferences and Economic Differentials in the Generation of Racial Segregation: An Agent-Based Model
 2011, Population Association of America Annual Meeting
 2011, Annual Meeting of the Eastern Sociological Society
 2010, International Sociological Association World Congress in Gothenburg, Sweden
 2010, Yale University, Center for Research on Inequality and the Life Course Workshop

TEACHING EXPERIENCE

2018-present, Assistant Professor, Department of Sociology, Rice University
 Spatial Analysis in the Social Sciences, Graduate/Undergraduate (S2024, F2019)
 Research Methods, Undergraduate (F2026, S2026, F2025, S2025, F2024, F2022, S2022)
 Master's Thesis Seminar, Graduate (F2024, F2020)
 Data, Ethics, and Society, Undergraduate (S2023, F2021, S2020, S2019)
 Supervised Research, Undergraduate (S2024, S2023, F2022)
 Independent Study, Graduate (Fall 2021: Katie Turner)
 2021-present, Workshop Instructor, STaRT@Rice, Rice University
 Spatial Analysis in R (short course)
 An Introduction to Agent Based Modeling in the Social Sciences (workshop)
 2017-2018, Lecturer, Department of Sociology, Princeton University
 Spatial Analysis in the Social Sciences (Spring 2018)
 Simulating Social Processes: An Introduction to Agent Based Modeling in the Social Sciences (Fall 2017)
 2012-2015, Workshop Instructor, Yale University, Center for Science and Social Science Information.
 Designed and taught computing and data analysis workshops including:
 Introduction to R (February 2012, October 2014, February 2014, September 2013)
 Intermediate R (October 2012)
 Advanced R (March 2015, November 2013)
 GIS for the Social Sciences (April 2013, October 2014)
 Introduction to Spatial Analysis in R (April 2014)
 Data Visualization (November 2013)
 Data Visualization in R (April 2015, November 2014, November 2012)
 Introduction to High Performance Computing at Yale (March 2014)
 Writing Papers with Data (March 2013)
 Introduction to SAS (April 2012)
 2014, Instructor, Yale University

Introduction to Agent Based Modeling, a one-day workshop sponsored by the Center for Research on Inequality and the Life Course (March 2014)

2012, Instructor, Yale University, Associates in Teaching Program
 Simulating Social Processes: An Introduction to Agent Based Modeling in the Social Sciences (Spring 2012) [co-taught with Richard Breen]

2011-2013, Teaching Fellow, Yale University
 Methods of Inquiry, Sociology (Fall 2011, Fall 2012)
 Survey Methods, Sociology (Spring 2012)
 Applied Quantitative Analysis, Global Affairs (Fall 2013)

2001-2002, Lab Instructor, The George Washington University
 Research Methods and Applied Statistics, Public Administration (Fall 2001, Spring 2002)
 Public Budgeting, Revenue & Expenditures, Public Administration (Spring 2002)

GRADUATE RESEARCH GROUPS

2024-present, Director, Spatial Inequality Lab, Rice University

2019-present, Co-Director, Spatial Processes and City Environments (SPACE), Rice University

2025-present, Co-Director, Graduate Research Fellows, Center for Computational Insights on Inequality and Society, Rice University

ADVISING

Ph.D. Advising

Rongchen (Kerry) Wang	Advisor, Rice University, Sociology
Caroline Wolski	Co-Advisor, Rice University, Sociology

Ph.D. Advising: Committee Member

Asia Bento	Rice University, Sociology
Phylicia Lee Brown	Rice University, Sociology
Victor Hugo Delgado-Barrera	Rice University, Economics
Hossein Gazmeh	Rice University, Civil and Environmental Engineering
Alex Priest	Rice University, Sociology
Omer F. Sozbir	Rice University, Economics

M.A. Thesis Advising

Leah Binkovitz	Co-Advisor, Rice University, Sociology
Alex Priest	Co-Advisor, Rice University, Sociology
Katie Turner	Co-Advisor, Rice University, Sociology
Kerry Wang	Advisor, Rice University, Sociology

M.A. Thesis Advising: Committee Member

Asia Bento	Rice University, Sociology
Phylicia Lee Brown	Rice University, Sociology
Briggs Weathington	Rice University, Civil and Environmental Engineering

Undergraduate Thesis Advising

Lizzy Kuhlman	Advisor, Rice University, Sociology
Ryan McCarthy	Advisor, Princeton University, Sociology
Grace Miles	Advisor, Princeton University, Sociology
Casey Swezey	Advisor, Princeton University, Sociology

Luis Verdin-Gomez Committee Member, Rice University

Graduate Supervised Research at Rice University

Yihua Xu (Computational and Applied Mathematics & Operations Research)

Undergraduate Supervised Research at Rice University

Carolina Escobar, Zoe Paris, Juliana Phan, Luis Verdin-Gomez, Tiffany Wu, Belinda Zhu

Undergraduate Research Experiences at Rice University

(^ began as a first year student)

Alyssa Boerst, Yaerim Choi^, Brendan Frizzell, Zain Khemani^, Brooke Ramnath^, Alejandro Salinas, Audrey Wang^, Christine Xu^

PROFESSIONAL RESEARCH EXPERIENCE

2012-2015, Research Consultant, Center for Science and Social Science Information, Yale University

2002-2008, Presidential Management Fellow and Research Analyst (GS-13), Bureau of Transportation Statistics, U.S. Department of Transportation, Washington, DC

Completed the following professional development appointments:

2004, U.S. Government Accountability Office (GAO), Physical Infrastructure Team

2003, The Brookings Institution, Metropolitan Policy Program

2001-2002, Research and Evaluation Consultant

The Ethics Resource Center (2002); The Public Education Network (2001-2002); DC VOICE (2001); Join Hands Day, Inc. (2000-2001)

UNIVERSITY AND PROFESSIONAL SERVICE

Board Member

Methodology Section of the American Sociological Association (Section Council: 2026-2030)

Sociological Methodology (Editorial Board, 2023-2025)

Mathematical Sociology Section of the American Sociological Association (Section Council: 2022-2025)

International Network of Analytic Sociologists Council Member (2015-2020)

Frontiers in Built Environment – Urban Science (Editorial Board, Review Editor: 2017-2020)

International Sociological Association Research Committee on Rational Choice (2010-2014)

Reviewer

American Sociological Review, Sociological Methodology, Demography, Annual Review of Sociology, Social Forces, American Journal of Sociology, Urban Studies, Social Science Research, Socius, Social Science and Medicine

Conference Service

Chair, Racial and Socioeconomic Status Segregation and Integration, 2026 Population Association of America Annual Meeting

Discussant, Mechanisms of Racial Inequality in Neighborhood Contexts, 2025 Population Association of America Annual Meeting

Session Organizer and Chair, Segregation & Spatial Inequality, 2024 Population Association of America Annual Meeting

Session Organizer and Chair, Racialized Spaces, 2024 Population Association of America Annual Meeting

Session Organizer and Chair, New Data and Measures of Spatial Inequality, 2024 Population Association of America Annual Meeting

Discussant, Geospatial Innovations in Segregation, 2023 Population Association of America Annual Meeting

Panelist, “Capturing Inequality: Do We Have the Right Data?”, Rice University BRIDGE Program and the Texas Research Data Center (TXRDC) at Texas A&M University, December 2022

Discussant, Innovative Approaches to Segregation/Mobility, 2021 Population Association of America Annual Meeting

Discussant, Causes and Consequences of Housing Instability and Gentrification, 2019 American Sociological Association Annual Meeting

Discussant, Computational Demography, 2019 Population Association of America Annual Meeting

Discussant, Neighborhood Effects and Inequality, 2019 Population Association of America Annual Meeting

Session Organizer and Chair, Residential Mobility and Segregation, 2018 Population Association of America Annual Meeting

Session Organizer and Chair, Residential Inequality: Stability and Change, 2018 Population Association of America Annual Meeting

Discussant, Space, Neighborhoods, and Power, 2018 Annual Meeting of the Social Science History Association

Discussant, Urbanization and Urban Change, 2015 Population Association of America Annual Meeting

Discussant, Social Networks, 2015 American Sociological Association Annual Meeting

Professional Service

Award Committee Chair, 2025 Robert K. Merton Award, International Network for Analytical Sociologists

Technical Consultation on Spatial Measurement for Houston Independent School District, May 2022

Grant Application Reviewer, Data Sciences Institute, University of Toronto, November 2021

Award Committee Member, 2019 Robert K. Merton Award, International Network for Analytical Sociologists

Contributor, Workshop on Multidisciplinary Complex Systems Research, National Science Foundation, May 2017

Contributed research to “Report on Zoning of Westchester Municipalities and the Perpetuation of Segregation and Creation of Disparate Impact” filed May 2016 by Andrew Beveridge

Collaborator, Workshop on Urban Signatures of Socio-Ecological Innovation, The National Socio-Environmental Synthesis Center (SESYNC), University of Maryland, October 2015

Center for Housing Policy Project Advisory Group (A Heavy Load: The Combined Housing and Transportation Burdens of Working Families)

Meet the Faces of Public Service, The Partnership for Public Service and George Washington University Human Services Program Annual Alumni Career Panel, George Washington University

University Service

Founding Co-Director, Center for Computational Insights on Inequality and Society, Rice University (2024-present)

Stakeholders Design Committee Member, Secure Enclave for Research Data, Rice University (2025-present)

Marshal, PhD Hooding Ceremony, Rice University (2019-present)
Search Committee, Associate Vice President for Research Computing, Rice University (2022)
Search Committee Co-Chair, Senior Spatial Analyst, Rice University (2019-2020)
Staff Fellow, Mathey College, Princeton University (2015-2018)
Graduate Affiliate, Branford College, Yale University (2008-2012)
Graduate Student Representative to the Board of Trustees, Saint Thomas More Chapel and Center at Yale University (2010-2011)
Joint Committee of Faculty and Students, The George Washington University (1998-2000)

Departmental Service

Undergraduate Program Committee Member, Rice University Department of Sociology (2026-present)
Sociology Speaker Series Co-Chair, Rice University Department of Sociology (2025-2026)
Faculty Writing Group Organizer, Rice University Department of Sociology (2025)
Graduate Program Committee Member, Rice University Department of Sociology (2020-2024)
Search Committee Chair, Postdoctoral Fellow, Rice University Department of Sociology (2023, 2024)
Search Committee Member, Postdoctoral Fellow, Rice University Department of Sociology (2020, 2022)
Speaker, Rice University Department of Sociology Professionalization Seminar (2019, 2021)
Solidarity Statement Faculty Committee, Rice University Department of Sociology (2020)
Inequality and Inequity (I2) Initiative Sub-Committee, Rice University Department of Sociology (2018-2019)
Speaker, Rice University School of Social Sciences Graduate Recruitment Dinner (2019)

PROFESSIONAL AFFILIATIONS

American Sociological Association
Population Association of America
International Network of Analytic Sociologists
Social Science History Association

WEBSITES

<https://www.elizabethroberto.com/>
<https://profiles.rice.edu/faculty/elizabeth-roberto>
<https://www.linkedin.com/in/elizabethroberto/>
<https://orcid.org/0000-0001-7667-6953>
<https://scholar.google.com/citations?user=j9oAlb4AAAAJ>

REFERENCES

Available upon request.