

RYAN SUTTER, PhD

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EDUCATION

- Ph.D. Public Policy Analysis, George Mason University, May 2010
Concentrations: Regional Economic Development, Spatial Econometrics, Entrepreneurship
- M.A. Economics, The University of Toledo, May 2005
With Specialization in Applied Econometrics
- B.A. Economics, The University of Toledo, May 2004
Minor: Mathematics

EXPERIENCE

- Data Scientist*, Information Technology and Research, Cuyahoga Land Bank, Cleveland, OH
- Adjunct Professor*, Department of Economics, University of Maryland College Park – ECON 672 Program Analysis and Evaluation, College Park, MD
- Mathematical Statistician*, Chief Evaluation Office (CEO), U.S. Department of Labor, Washington, DC
- Supervisory Mathematical Statistician*, Office of Unemployment Insurance, U.S. Department of Labor, Washington, DC
- Workforce Analyst*, Office of Policy Development and Research, U.S. Department of Labor, Washington, DC
- Senior Research Associate*, Kratos Defense and Security Solutions, Washington, DC
- Graduate Research Assistant*, School of Public Policy, George Mason University, Fairfax, VA
- Market Research Associate*, Havill and Company, Inc, Toledo, OH
- Graduate Research Assistant*, The University of Toledo, Toledo, OH
- Teaching Assistant for Dr. James P. LeSage*, The University of Toledo, Toledo, OH
- Research Assistant*, The Office of Institutional Research, The University of Toledo, Toledo, OH

SELECTED RECENT RESEARCH PROJECTS/WORKING PAPERS

- Sutter, R. (2025). Estimating the Number of Housing Interventions for Stabilizing Depopulated Neighborhoods: Comparing Bayesian Spatial Durbin and Machine Learning Approaches, working project.

- Sutter, R. (2024). A Machine Learning Model for Estimating Future House Sale Prices Relative to Renovation and New Construction Costs - Gradient Boosting Framework and Tree-based Learning Algorithms, working project.
- Sutter, R. (2025). Building a Scenario Simulation/Advanced Analytic Optimization Platform, working project.
- Sutter, R. (2025). 10 Year Economic Impact Study of the Omaha Municipal Land Bank (OLMB), working project.
- Sutter, R. (2024). Cuyahoga Land Bank: 15-Year Economic Impact Analysis, https://cuyahogalandbank.org/wp-content/uploads/2025/04/Cuyahoga_Land_Bank_15_Year_Impact_Technical_Report_20241107.pdf
- Sutter, R. (2024). Evaluating the Long-Term Fiscal and Neighborhood Implications of Direct Transfers of Tax Foreclosed Single-Family Residential Properties to the Cuyahoga Land Bank: A Cost-Benefit Analysis, unpublished proprietary research.
- Sutter, R. (2024). Building an Automated Forecasting Bot for Closed Form Questions, working project.
- Sutter, R. (2021). A Bayesian Meta Analytic Framework for Pooling Effect Sizes with DOL's Clearing House for Labor Related Research, unpublished proprietary research.
- Sutter, R. (2020). A Google Index Model for Predicting Future Unemployment Claims, unpublished proprietary research.
- Sutter, R. (2018, revised 2019). Using Gravity Models for Selecting High Impact Locations for Veterans Employment Service Grants, unpublished proprietary research.

JOURNAL ARTICLES/BOOK CHAPTERS

- Sutter, R. (2008). *The Existence of Positive Psychological Environments and Their Impact on Regional Entrepreneurship*, *The Journal of Regional Analysis & Policy*, Vol. 38(2), pp. 279-292.
- Sutter, R. (2008). Simulating the Impact of Policy on Entrepreneurship. In Stough, R. and Acs, Z. (Eds.), *Public Policy in an Entrepreneurial Economy*, Springer.

- Stough, R., Song, C., Jackson, S. and Sutter, R (2008). The Role of Entrepreneurial Capital in Economies of Metropolitan America. In Bailly, Gibson and Haynes (Eds.), *Applied Geography for the Entrepreneurial University*, Economica.
- Sutter, R. (2009). *The Growth of Cities*, Acs, Z. (ed), The Annals of Regional Science, Vol. 43(3), pp. 831.
- Sutter, R. and Stough, R. (2009). *Measuring Entrepreneurship and Knowledge Capital: Metropolitan Economic Efficiency in the U.S.A.*, Entrepreneurship and Regional Development, Vol. 21(4), pp. 351-373.
- Acs, Z., Plummer, L., and Sutter, R. (2009). *Penetrating the Knowledge Filter in Rust Belt Economies*, The Annals of Regional Science, Vol. 43(4), pp. 989-1012.
- Coutrot, B., Paelinck, JP., Sallez, A., and Sutter, R. (2009). *On Potentialized Partial Finite Difference Equations: Analyzing the Complexity of Knowledge-Based Spatial Economic Developments*, Régions et Développement, Vol. 29, pp. 238 - 264.
- Sutter, R. (2009). A Spatial Econometric Analysis of Aggregate U.S. Employment Growth. In Nolin, T. (Ed.), *Handbook of Regional Economics*, Nova Science Publishers.
- Zolnik, E and Sutter, R. (2010). *Workforce Management Innovations in Transportation Agencies: Overcoming Obstacles to Public Sector Innovation*, The Innovation Journal, Vol. 10(1), pp. 2-15.
- Acs, Z., Plummer, L. and Sutter, R. (2010). Penetrating the Knowledge Filter in "Rust Belt" Economies. In Acs, Z (Ed.), *The Knowledge Spillover Theory of Entrepreneurship*, Edward Elgar.
- Sutter, R. and Stough, R. (2010). Regional Psychological Capital and its Impact on Regional Entrepreneurship in Urban Areas of the U.S. in Kourtit, K., Nijkamp, P. and Stough, R. (Eds.), *Drivers of Innovation, Entrepreneurship and Regional Dynamics*, Springer, Heidelberg, 245-270.
- Stough, R., Sutter, R. and Stimson, R. (2011). *Measuring Endogenous Regional Growth: Economically Useful Knowledge and Well-Being*, International Journal of Urban and Regional Research.

- Gibbons, S., Schafer, K., Sutter, R. (2015). *Characteristics of Individuals and Employment Among First Responders*, DOI: [10.13140/RG.2.1.2438.0640](https://doi.org/10.13140/RG.2.1.2438.0640).
- Acs, Z., Plummer, L. and Sutter, R. (2015). Penetrating the Knowledge Filter in “Rust Belt” Economies. In Acs, Z (Ed.), *Global Entrepreneurship, Institutions and Incentives*, Edward Elgar, 320-343.
- Sutter, R. (2016). A Methodology for Statistical Adjustment under the Workforce Innovation and Opportunity Act (WIOA), https://www.doleta.gov/performance/guidance/docs/WIOA_Statistical_Model_Methodology_Report-6-24-2016.pdf
- Sutter, R. (2024). Cuyahoga Land Bank: 15-Year Economic Impact Analysis, https://cuyahogalandbank.org/wp-content/uploads/2025/04/Cuyahoga_Land_Bank_15_Year_Impact_Technical_Report_20241107.pdf

SELECTED WHITE PAPERS AND RESEARCH REPORTS

- Characteristics of Individuals and Employment Among First Responders*, Technical Research Report, Chief Evaluation Office, U.S. Department of Labor, 2015.
- The Methodology for Estimating National, State and Local Area Performance Targets for Public Workforce System Programs for Program Year 2012*, Internal analysis for the Employment and Training Administration.
- Estimating the Impact of the American Recovery and Reinvestment Act Funding on Program Participation in The U.S. Department of Labor’s Employment and Training Programs*, 2011, Internal analysis for the Employment and Training Administration.
- Forecasting Traffic Volume at the Sub-county Level: A Case Study of the Fair Oaks Region in Northern Virginia*, with Roger Stough, Hauqun, Li and Raj Kulkarni. Research report for The Federal Highway Administration. Presented at The 1st Transatlantic Network on European Communications and Transport Activities Research Conference.
- Understanding How Global Events Impact Regional Energy Market Dynamics: A GIS-Based Approach*, July 2006, with Laurie Schintler and Rajendra Kulkarni, Presented by Dr. Laurie Schintler at Regions on a Global Platform, 9th PRSCO Summer Institute, July 18-20, 2006.
- U.S. Commercial Fleet Market Forecast 2004-2008*, with Havill and Company Team, Proprietary Market Survey, Released Summer, 2005.

A Bayesian Approach to a Spatial Econometric Analysis of Aggregate U.S. Employment Growth, December 2005.

SELECTED CONFERENCE PRESENTATIONS

Omaha Municipal Land Bank 10 Year Economic Impact Study, Love 4 Lots 10 year Celebration, Omaha, NE, October 2025.

Measuring Impact: Lessons from Cuyahoga County's 15-Year Land Bank Report, Ohio Land Bank Association Conference, Columbus, OH, April 2025.

Cuyahoga Land Bank – 15 Year Economics Impact Study, First Suburbs Consortium, John Carrol University, Cleveland, OH, February 2025.

Cuyahoga Land Bank – 15 Year Economics Impact Study, The Cleveland Foundation, Cleveland, OH, October 2024.

Positive Psychological Environments and Regional Entrepreneurship, Southern Regional Science Association, Arlington, VA March 2008. Winner of the M. Jarvin Emerson Student Paper Competition.

Penetrating the Knowledge Filter in Rustbelt Economies, North American Meetings of the Regional Science Association International, Savannah, GA November 2007.

An Analysis of Spillover Mechanisms in Ohio: A Knowledge Filter Approach, Mason Entrepreneurship Research Conference, Fairfax, VA March 2007.

An Analysis of Spillover Mechanisms in Ohio: A Knowledge Filter Approach, The 9th Annual Uddevalla Entrepreneurship and Regional Economic Development Meetings, Fairfax, VA, June 15-17 2006.

A Spatial Econometric Analysis of Presidential Voting Outcomes, Mid-Continent Regional Science Association 36th Annual Meeting, Arlington, VA April 2005.

A Spatial Econometric Analysis of Presidential Voting Outcomes, Southern Regional Science Association 44th Annual Meeting, Arlington, VA April 2005.

HONORS, GRANTS & AWARDS

Gears of Government Award, U.S. Department of Labor, 2019.

Secretary of Labor's Exceptional Achievement Award, U.S. Department of Labor, 2014.

American Recovery and Reinvestment Act Implementation Award, U.S. Department of Labor, 2010.

1st Place, M. Jarvin Emerson Student Paper Competition, 39th Annual Mid Continent Regional Science Association, 2008.

George Mason University Graduate Assistantship, 2005-2009.

University of Toledo Graduate Assistantship, 2004-2005.

University of Toledo Honors Program, 2000-2004.

Patricia A. Sullivan Scholarship, 2001, 2002, 2003.

Raymond H.I. Kiefer Scholarship, 2000.
Tillotson Scholarship, 2002, 2003.
Robert W. Heyn Scholarship, 2000, 2001.
Success Award, 2002.
Shapiro Scholarship, 2002.
Charles Nichols Memorial Scholarship, 2003.

OTHER ACTIVITIES

Refereeing

*The Annals of Regional
Papers in Regional Science
International Regional Science Review*

Teaching

*Adjunct Professor, ECON 672 – Program Evaluation, Department of Economics,
The University of Maryland, Summer 2025.*
*Teaching Assistant for James P. LeSage, Microeconomics, Department of Economics,
The University of Toledo, Summer 2005.*
*Teaching Assistant for James P. LeSage, Econometrics I, Department of Economics,
The University of Toledo, Fall 2005.*
*Teaching Assistant for James P. LeSage, Econometrics II, Department of Economics,
The University of Toledo, Spring 2005.*
*Tutor, Economics Tutoring Lab, Department of Economics, The University of
Toledo, 2004-2005.*
*Tutor, Bureau of Vocational Rehabilitation, Ohio Rehabilitation Services
Commission, 2005.*

PROGRAMMING/SIMULATION/SOFTWARE

Programming Languages: Python, R, MATLAB, SQL, SAS, Stata, Octave,
SPSS/PASW, HTML, KML, Unix, Java, C++.
Pertinent Python Packages: tensorflow, dask, scipy, scikit-learn, libpysal, esda,
spreg, geopandas, shapely, folium, matplotlib, mysql-connector-python, python-
dotenv, selenium, concurrent.futures, fiona, pyproj, beautifulsoup4, lxml,
requests, pandas, numpy, statsmodels,
Emergent Miscellaneous Tools: AGI/LLM tools - OpenAI GPTs, Anthropic
Claude 3.x, Google Gemini, Meta Llama 4); IDE's - Jupyter Notebooks, Spyder,
RStudio; Data Visualization – Tableau, R Shiny.
Mapping Software: Google Earth/Maps, ArcGIS, Python, R, Arc_Mat.
Simulation Modeling: Python, MATLAB, Simulink, Java, Netlogo, Stella.