

# L A L A M A

CONTACT INFORMATION Department of Economics  
Gatton College of Business & Economics  
University of Kentucky  
Lexington, KY 40506-0034  
*Email:* [lala.ma@uky.edu](mailto:lala.ma@uky.edu)  
*Phone:* (859) 257-2776  
*Web:* <https://sites.google.com/site/lalaxma>  
*Citizenship:* US

## EDUCATION

2014 Ph.D. in Economics, Duke University  
2007 B.A./ M.A. in Economics and B.A. in Mathematics, Tufts University

## ACADEMIC & PROFESSIONAL

2022 – Present Associate Professor, Department of Economics, Gatton College of Business & Economics, University of Kentucky  
2014 – 2022 Assistant Professor, Department of Economics, Gatton College of Business & Economics, University of Kentucky  
2010 – 2013 Research Assistant to Professor Christopher Timmins, Duke University  
2007 – 2009 Financial Management Consultant, IBM Corporation, Global Business Services, Public Sector, Washington D.C.

## RESEARCH FIELDS

Non-Market Valuation, Environmental Economics

## PUBLICATIONS<sup>†</sup>

Harding, M., \*Kettler, M., Lamarche, C. & Ma, L. (2022). The (Alleged) Environmental and Social Benefits of Dynamic Pricing. Forthcoming at *Journal of Economic Behavior and Organization*.  
Hill, E. & Ma, L. (2022). Drinking Water, Fracking, and Infant Health. *Journal of Health Economics*, 82, <https://doi.org/10.1016/j.jhealeco.2022.102595>.  
Hill, E. & Ma, L. (2021). The Fracking Concern with Water Quality. *Science*, 373(6557): 853-854, <https://doi.org/10.1126/science.abk3433>.  
Black, K., Boslett, A., Hill, E., Ma, L., & McCoy, S. (2021). Economic, Environmental, and Health Impacts of the Fracking Boom. *Annual Review of Resource Economics*, 13:311-334, <https://doi.org/10.1146/annurev-resource-110320-092648>.  
Boslett, A., Hill, E., Ma, L., & Zhang, L. (2021). Rural Light Pollution from Shale Gas Development and Associated Sleep and Subjective Well-Being. *Resource and Energy Economics*, 64, <https://doi.org/10.1016/j.reseneeco.2021.101220>.  
Ma, L. (2020). Mapping the Clean Air Haves and Have-nots. *Science*, 369(6503): 503-504, <https://doi.org/10.1126/science.abb0943>.

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<sup>†</sup>Unless noted otherwise, authors are listed alphabetically in co-authored publications, where contributions are equal.

<sup>‡</sup>Denotes first author.

\*Denotes graduate/undergraduate student.

Bakkensen, L. A., & Ma, L. (2020). Sorting Over Flood Risks and Implications for Flood Insurance Reform. *Journal of Environmental Economics and Management*, 104, <https://doi.org/10.1016/j.jeem.2020.102362>.

- Awarded the JEEM best paper prize for 2020.

Banzhaf, H. S., Ma, L., & Timmins, C. (2019). Environmental Justice: Establishing Causal Relationships. *Annual Review of Resource Economics*, 11: 377–398, <https://doi.org/10.1146/annurev-resource-100518-094131>.

Ma, L. (2019). Learning in a Hedonic Framework: Valuing Brownfield Remediation. *International Economic Review*, 60(3): 1355-1387, <https://doi.org/10.1111/iere.12389>.

‡Kusunose, Y., Ma, L., & Van Sanford, D. (2019). User Responses to Imperfect Forecasts: Findings from an Experiment with Kentucky Wheat Farmers. *Weather, Climate and Society*, 11(4): 791-808, <https://doi.org/10.1175/WCAS-D-18-0135.1>.

Banzhaf, S., Ma, L., & Timmins, C. (2019). Environmental Justice: The Economics of Race, Place, and Pollution. *Journal of Economic Perspectives*, 33(1), 185-208, <https://doi.org/10.1257/jep.33.1.185>.

Bakkensen, L. A., \*Ding, X., & Ma, L. (2019). Flood Risk and Salience: New Evidence from the Sunshine State. *Southern Economic Journal*, 85(4), 1132-1158, <https://doi.org/10.1002/soej.12327>.

Ma, L. (2018). Use of Property Values and Location Decisions for Environmental Valuation. In *Oxford Research Encyclopedia of Environmental Science*, <https://doi.org/10.1093/acrefore/9780199389414.013.449>.

Hill, E., & Ma, L. (2017). Shale Gas Development and Drinking Water Quality. *American Economic Review, Papers and Proceedings*, 107(5), 522-25, <https://doi.org/10.1257/aer.p20171133>.

Haninger, K., Ma, L., & Timmins, C. (2017). The Value of Brownfield Remediation. *Journal of the Association of Environmental and Resource Economists*, 4(1), 197-241, <https://doi.org/10.1086/689743>.

#### WORKING PAPERS

“Racial Gaps in Federal Flood Buyout Compensations” with Kay Jowers and Christopher Timmins. (2022). Accepted at *AEA Papers and Proceedings*.

“Policy-induced Environmental Inequality: Firm Behaviors and Consequent Health and Labor Outcomes” with \*Zhonghui Luo, Ran Song, and Rui Xie. (2022). *Under Review*.

“Who Benefits from Hazardous Waste Cleanups? Evidence from the Housing Market” with Alecia Cassidy and Elaine Hill. (2022). NBER Working Paper #30662. *Under Review*.

“Are Wildfire Risks Capitalized into Home Prices? Evidence from California” with Margaret Walls, Matthew Wibbenmeyer, and Connor Lennon. (2022). *Under Review*.

“Racial Dynamics of Federal Property Buyouts in Flood-Prone Areas” with Kay Jowers and Christopher Timmins. (2022).

“The Health Impacts of Hazardous Waste Cleanups” with Alecia Cassidy and Elaine Hill. (2021).

“Race and Environmental Worries” with \*Ranie Lin and Toan Phan. (2021).

“A Dynamic Approach to Explain Flood Risk Exposure and Household Location Choice” with Laura Bakkensen and Lucija Muehlenbachs. (2021).

#### AWARDS, GRANTS & FELLOWSHIPS

2021-2023 “Wildfire Risks in Rural Communities: Measuring Impacts, Modeling Choices, Evaluating Policies.” Matthew Wibbenmeyer (Project Director/PI), Margaret Walls (PI), Lala Ma (site-PI),

*USDA National Institute of Food and Agriculture (NIFA) Agriculture and Food Research Initiative (AFRI), \$425,015 (Ma subaward: \$60,000).*

- 2021 Junior Faculty Research Productivity Award, Gatton College of Business & Economics, University of Kentucky
- 2019 Research Excellence Summer Support Award, Gatton College of Business & Economics, University of Kentucky (\$5,000)
- 2018 Faculty Teaching Award, Department of Economics, University of Kentucky
- 2016-2021 “The Health Consequences of Shale Gas Development.” Elaine Hill (Project Director/PI), *National Institutes of Health* (1 DP5 OD021338-01; PI: Hill), (Ma subaward: \$58,467)
- 2015-2016 University of Rochester Medical School EHSC IHSFC Grant with Elaine Hill (co-PI, \$8,000)
- 2013-2014 Joseph L. Fisher Doctoral Dissertation Fellowship, Resources for the Future (\$18,000)
- 2012, 2013 Graduate School Summer Research Fellowship, Duke University (\$5,000)
- 2007 Marion Ricker Houston Prize Scholarship in Economics, Tufts University

#### CONFERENCES & SEMINARS *(INCLUDING SCHEDULED)*

- 2023 ASSA Annual Meetings
- 2022 ASSA Annual Meetings (*Discussant*), SBCA Annual Conference, Yale University (*YSE*), University of Washington, NBER Summer Institute (EEE), UC Santa Barbara (*EJ Workshop*), SUNY Binghamton
- 2021 ASSA Annual Meetings, Indiana University (*Health Policy*), Middlebury College, Harvard University (*HKS*), Yale University (*YSE BIOMES*), US EPA (*NCEE*)
- 2020 ASSA Annual Meetings (*Discussant*), NBER Spring Meetings (EEE, *Discussant*), Columbia University (*SIPA*), Duke in DC
- 2019 ASSA Annual Meetings, NBER Summer Institute (*Research Sketch, Presented by coauthor*), Kentucky Geological Survey, SEA Annual Conference
- 2018 ASSA Annual Meetings, Iowa State University, Ohio University, SEA Annual Conference
- 2017 ASSA Annual Meetings, University of Kentucky, Pennsylvania State University (Ag. Econ), Northern Illinois University, NBER Summer Institute (*Presented by coauthor*), AERE Summer Conference, VEAM Fest (Vanderbilt University), MEA Annual Conference, Georgia State University, Cleveland Federal Reserve Bank – UK Joint Conference
- 2016 ASSA Annual Meetings (*Discussant*), SEA Annual Conference, Environmental Justice Workshop (Duke University), University of Kentucky
- 2015 AERE Summer Conference, University of Kentucky, Society of Benefit-Cost Analysis, SEA Annual Conference
- 2014 US EPA (NCEE), University of Illinois Urbana-Champaign, University of Kentucky
- 2013 Heartland Workshop (University of Illinois Urbana-Champaign, *short sketch*), CU Environmental and Resources Economics Workshop, EconCon (Columbia University), Camp Resources XX, NBER Summer Institute (*Research Sketch*)
- 2011 Camp Resources XVIII (*Research Sketch*)

## TEACHING &amp; ADVISING

Courses Taught

ECO 410, 381 Environmental Economics (Undergraduate), University of Kentucky  
 ECO 491 Applied Econometrics (Undergraduate), University of Kentucky  
 ECO 499 Seminar in Environmental Justice (Undergraduate), University of Kentucky  
 ECO 724 Environmental Economics (Ph.D.), University of Kentucky  
 HMN 301 Gaines Seminar in the Humanities - Environmental Justice (Undergraduate), University of Kentucky

Current PhD Committee (UK economics unless noted otherwise)

Sam Owens (*Public Policy*), Elise Yeh

Former PhD Committee (year of degree and initial placement)

Timothy Hyde (PhD 2022 (*Carnegie Mellon, Tepper*), University of Pennsylvania, Post-Doc)  
 Anh Le (PhD 2021, US Food and Drug Administration, Staff Fellow)  
 Sookti Chaudhary (PhD 2020, Hamilton College, Visiting Assistant Professor)  
 Zheng Yang (PhD 2019, Liaoning University (China), Assistant Professor)  
 Ben Wallace (PhD 2019, Federal Trade Commission, Economist)  
 Whitney Davis (PhD 2019 Public Policy)

## PROFESSIONAL ACTIVITIES

Speaker, UC Berkeley/Sloan Graduate Summer School in Environmental and Energy Economics (2022)  
 Rising Star keynote address, Northeastern Agricultural and Resource Economics Association (2022)  
 Member, U.S. EPA, Science Advisory Board, Economic Analysis Committee (2021 – 2024)  
 Editorial Council, Journal of Environmental Economics and Management (2021 – 2025)  
 Review Committee, NBER Distributional Consequences of New Energy Technologies (2021)  
 Speaker, Webinar on Environmental Justice hosted by Resources for the Future and the Urban Institute (2021)  
 Mentor, CSWEP Graduate Student Mentoring Workshop (2020)  
 Faculty Fellow, U.S. Environmental Protection Agency & Oak Ridge Institute for Science and Education (2019 – 2020)

Journal Referee

American Economic Journal: Economic Policy, American Economic Review, American Journal of Agricultural Economics, Choices, Climate Change, Economics of Disasters and Climate Change, Environment and Resource Economics, Empirical Economics, International Economic Review, Journal of Benefit-Cost Analysis, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Environmental Planning and Management, Journal of Health Economics, Journal of Policy Analysis and Management, Journal of Public Economics, Journal of the Association of Environmental and Resource Economists, Journal of Regional Science, Journal of Regulatory Economics, Journal of Rural and Community Development, Journal of Urban Economics, Land Economics, Nature Climate Change, Nature Communications, PLOS ONE, Quantitative Economics, Review of Environmental Economics and Policy, Resource and Energy Economics, Regional Science and Urban Economics, Risk Analysis, Science, Science Advances, Southern Economic Journal, The Lancet – Planetary Health

Proposal Reviewer

National Science Foundation, Alfred P. Sloan Foundation, Russell Sage Foundation

Department, College, and University Service

Internal Advisory Board, United in True Racial Equity (UNITE) Research Priority Area (2022- )

College Research Excellence Committee (2022-)

College Graduate Studies Committee (2020-2021)

College Diversity Committee (2017-2018)

Department Seminar Committee (2022- )

Department Recruiting Committee (2017-2018, 2020-2021)

PERSONAL

Languages: English (*native*), Mandarin Chinese (*fluent*)

Software: Stata, Matlab, ArcGIS, C++