

CONTACT INFORMATION	North Dakota State University Department of Agribusiness and Applied Economics 1230 Albrecht Boulevard Fargo, ND 58102	Phone: (515) 708 5137 E-mail: xibo.wan@ndsu.edu Web: xibowan.space
RESEARCH INTERESTS	Environmental and Resource Economics, Food and Agricultural Policy, Urban and Regional Economics, Human Mobility	
EMPLOYMENT	North Dakota State University Fargo, ND 2026-Present Affiliated Research Assistant Professor, Agricultural Risk Policy Center (ARPC) University of Connecticut Storrs, CT 2023-2026 Postdoctoral Associate, Department of Agricultural & Resource Economics Massachusetts Institute of Technology Boston, MA 2021-2023 Postdoctoral Associate, MIT Center for Energy and Environmental Policy Research	
EDUCATION	Iowa State University 2016 - 2021 Ph.D., Economics Economics Department Thesis: <i>Essays on Chemical Regulation, Drinking Water Policy, and Recreational Value</i> Advisor: Prof. Wendong Zhang, Prof. David Keiser (co-Advisor) Central University of Finance and Economics Beijing, China M.S., Labor Economics 2013 - 2016 China Center for Human Capital and Labor Market Research B.S., Logistics, Business School 2009 - 2013	
PUBLICATIONS	- Wan, X., Harris-Lagoudakis, K., & Crespi, J. M. (2026). Shrinkflation, unit price disclosure, and consumer welfare: Evidence from canned tuna. <i>Food Policy</i>, 142, 103106. - Wan, X., Connolly, C., Steinbach, S., & Vo, M. (2026). Evaluating Precision, Privacy, and Representation with Cell Phone Data: Evidence from Cape Cod Beaches. <i>Land Economics</i>, 102(3), 471-496. - Cheng, N. & Wan, X. (2026). Causal Recreation Demand Estimation with Cell Phone Mobility Data: Evidence from the 2021 Huntington Beach Oil Spill. <i>Land Economics</i>, 102(3), 339-360. - Wan, X., Ren, Y., Zhang, R., Zheng, J., & Zhang, W. (2026). Quantifying Recreational Benefits from Fish Consumption Advisories: Insights from Cell Phone Mobility Data. <i>Land Economics</i>, 102(3), 313-338. - Wan, X., Vo, M., Connolly, C., & Steinbach, S. (2025). Harnessing Human Mobility Data	

for Applied Economic Research: Current Knowledge, Challenges, and Emerging Opportunities. *Journal of Economic Surveys*, 1-26.

6. Li, H., Wan, X., & Zhang, W. (2024). How do firms respond to political tensions? Evidence from Chinese food importers. *The World Economy*, 47(8), 3618-3647.

7. Zhang, W., Wan, X., Ji, Y., & Fan, W. (2024). Uncovering disparities in water-based outdoor recreation using cellphone mobility data. *Environmental Research Letters*, 19(11), 114057.

WORKING PAPERS

1. *Estimating the Economic Cost of Floods: Evidence from Urban Mobility and Rental Markets* with Seunghoon Lee and Siqi Zheng. (**Revise & Resubmit** at Regional Science and Urban Economics)

2. *When Nature Turns Hazy: How Wildfire Smoke Affects Outdoor Recreation* with Wendong Zhang and Yau-Huo (Jimmy) Shr. (**Revise & Resubmit** at Journal of Environmental Economics and Management)

3. *The Impact of Texas Senate Bill 8 on Family Care Utilization: Evidence from Large-Scale Mobility Data* with Mike Vo, Cristina Connolly, Sandro Steinbach, and Debarchana Ghosh.

4. *Planes Overhead: How Airplane Noise Impacts Your Home's Value* With Florian Allroggen, R. John Hansman, Christopher R. Knittel, Jing Li, and Juju Wang.

5. *Bringing the Neighborhood Farm to the Table: Demand, Supply, and the Visit Gap at Farmers' Markets* with Cristina Connolly and Sandro Steinbach.

6. *Unequal Waters: Socioeconomic Disparities in Recreational Benefits from Water Quality Improvements* With Wenran Fan, Yongjie Ji, and Wendong Zhang.

7. *I Love That Dirty Water? Value of Water Quality in Recreation Sites* with Christopher Knittel and Jing Li.

8. *Integrating Recreational Benefits into Hedonic Property Value Models: Evidence from Iowa* with Pengfei Liu, Wendong Zhang, and Yongjie Ji.

9. *Employment Effects of Environmental Regulations: Evidence from the Clean Water Act* with Jianwei Ai, Anton Yang, and Wendong Zhang.

10. *Chemical Disclosures, Regulations, and Consumer Learning: Evidence from the Baby Bottle Industry* with David A. Keiser.

11. *Household Dietary PFAS Exposure in the United States: Magnitude, Disparities, and Food Sources* with Jiahui Guo, Ruohao Zhang, Jiameng Zheng, Yongwang Ren, and Wendong Zhang.

12. *Growth or Redistribution? The Business Effects of Infrastructure: Evidence from EV Charging Stations in Kansas City* with Jiming Wang, Ruohao Zhang, Zhen Lei, and Junxian Tang.

SELECTED WORK IN PROGRESS	1. <i>The Geographic Extent of Water Quality Benefits</i> with Emmett Reynier.	
	2. <i>Beyond Supermarkets: Measuring the Impact of Food Environment on Healthy Store Utilization</i> with Mike Vo, Cristina Connolly, and Sandro Steinbach.	
	3. <i>Differential Privacy and Cellphone Mobility Data: Implications for Economic Research</i> with Mike Vo, Cristina Connolly, and Sandro Steinbach.	
	4. <i>Disparities in Wildfire Evacuation: Evidence from Cellphone Mobility Data</i> with Junxian Tang, and Ruohao Zhang.	
	5. <i>Plug and Shop: Exploring the Local Business Effect of EV Charging Stations</i> with Junxian Tang, and Ruohao Zhang.	
AWARDS AND HONORS	Gregory Chow Best Paper Award (Bronze), Chinese Economists Society Annual Conference <i>Causal Inference and Recreation Demand Estimation with Zero Market Shares in Cellphone Mobility Data: A Case of 2021 Huntington Beach Oil Spill</i>	2025
RESEARCH GRANTS	AWARDED PROJECTS 1. X. Wan, (PI) , C. Connolly, S. Steinbach, M. Vo, R. Zhang, \$800,000 , “Partnership: Measuring Agritourism Demand, Competition, and Rural Impacts Using Big Data and Machine Learning”, USDA National Institute of Food and Agriculture Grants, 2026-2030. 2. R. Zhang, X. Wan, (co-PI) , J. Zheng, and W. Zhang, \$100,000 , “From Awareness to Action: Assessing PFAS exposure in communities and evaluating the effectiveness of its mitigation strategies”, Illinois-Indiana Sea Grant, 2023-2025. 3. W. Zhang, Y. Ji, S. David, and X. Wan, (co-PI) , \$40,000 , “Environmental Justice for All: the Nutrient Impacts on Lake-Based Recreation and Tourism by Rural and Socially Disadvantaged Iowans”, Iowa Water Center and Iowa Nutrient Research Center Joint Grant Competition, 2021-2022. SUBMITTED PROPOSALS 1. N. Shinde, P. Euclide, X. Wan, (co-PI) , “Mobile-Sensing for Aquatic Invasive Species Spread Risk in Southern Lake Michigan’s Nearshore Corridor and Tributary Systems”, 2026 Seed Grant Research Competition 2. X. Wan (PI) , “Verifying the Value of NASA Earth Observation for Agricultural Risk Monitoring: A Mobility-Enhanced Satellite Insured-Loss Detection Pilot”, 2026 NASA EPSCoR Pilot Projects Program	
TEACHING EXPERIENCE	Guest Lecturer, Energy Economics: Sustainable Transitions <i>University of Connecticut</i>	Oct 2025
	Guest Lecturer, Principles of Microeconomics <i>University of Connecticut</i>	Jan 2024
	Transforming Your Research Into Teaching (TYRIT) Teaching Certificate <i>Iowa State University</i>	May 2020 - July 2020

Recitation Leader, Microeconomics Analysis I <i>Iowa State University</i>	Sept 2019 - Dec 2019
Teaching Assistant, Intermediate Environmental and Resource Economics <i>Iowa State University</i>	Sept 2018 - Dec 2018
Teaching Assistant, Economics of Discrimination <i>Iowa State University</i>	2017, 2018, 2019
Teaching Assistant, Principles of Microeconomics <i>Iowa State University</i>	2016, 2017, 2018, 2019

PRESENTATIONS
(INCLUDING
SCHEDULED)

2026-2027: Urban Economic Association (UEA) Annual Meeting, Heartland Environmental and Resource Economics Workshop

2025-2026: Allied Social Science Associations (ASSA) Annual Meeting, Social Cost of Water Pollution Workshop, MIT CEEPR Energy & Environmental Economics Workshop, Pennsylvania State University EEPI Seminar, Tufts University Brown Bag Seminar, UConn Econ Microeconomic Seminar, UConn ARE Graduate Research Seminar, Workshop on the Economics and Policy of Electric Transportation Charging Infrastructure

2024-2025: Association of Environmental and Resource Economists (AERE) Conference, Southern Economics Association (SEA) Annual Meeting, Social Cost of Water Pollution Workshop, University of Hawaii at Manoa

2023-2024: Agricultural & Applied Economics Association (AAEA) Conference, Association of Environmental and Resource Economists (AERE) Conference, Social Cost of Water Pollution Workshop, UConn Mobility Data Workshop, MIT CEEPR Energy & Environmental Economics Workshop

2022-2023: Agricultural & Applied Economics Association (AAEA) Conference, Association of Environmental and Resource Economists (AERE) Conference, University of Massachusetts Amherst, Heartland Environmental and Resource Economics Workshop, MIT data mining group, MIT CEEPR Energy & Environmental Economics Workshop, Northeast Workshop

2021-2022: Southern Economics Association (SEA) Annual Meeting, Society for Benefit-Cost Analysis 2022 Annual Meeting, Northeast Agricultural and Resource Economics Association (NAREA) Virtual Annual Meeting

2020-2021: Missouri Valley Economic Association (MVEA) Annual Meeting, Association of Environmental and Resource Economists (AERE) Conference, Southern Economics Association (SEA) Annual Meeting, Agricultural & Applied Economics Association (AAEA) Annual Meeting

SERVICE AND
LEADERSHIP

Referee:
NSF - SBIR/STTR, JRS, CJAE, JAERE, JEEM, AJAE, AEPP, Land Economics, Climatic Change, Economic Journal, Economic Analysis and Policy

Campus and Department:
Economics Graduate Student Association - *President* Aug 2018 - May 2019
Economics Graduate Student Seminar - *Coordinator* Aug 2018 - May 2019

China Center for Human Capital and Labor Market Research - *President* *Sep 2014 - May 2015*

Session Moderator/Chair:

Agricultural & Applied Economics Association (AAEA) - *Moderator* *Aug 2020*

Association of Environmental and Resource Economists (AERE) - *Moderator* *June 2020*

PROFESSIONAL AFFILIATIONS American Economic Association, Agricultural & Applied Economics Association,
Association of Environmental and Resource Economists

REFERENCES Available Upon Request