

Xiting Zhuang

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North Dakota State University
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Professional Experience

- Research Assistant Professor
North Dakota State University
Nov 2024 – Present
Fargo, ND
- Postdoctoral Research Associate
Texas A&M University
Feb 2024 – Oct 2024
College Station, TX

Education

- University of Connecticut, Department of Agricultural & Resource Economics
Ph.D. in Agricultural and Resource Economics
Storrs, CT
2024
- Fuzhou University, School of Economics & Management
M.S. in Quantitative Economics
Fuzhou, China
2017
- Georgia Institute of Technology, College of Computing
M.S. in Computer Science (current)
Atlanta, GA
- Xiamen University, Tan Kah Kee College
B.A. in Accounting
Xiamen, China
2014

Research

Peer-Reviewed Publications

- Weidong Tian, Dongli Cao, & **Xiting Zhuang*** (2026). Tradition or tragedy: Arranged marriages and domestic violence. *International Review of Law and Economics*, 87, 106343. [🔗](#)
- Zhiyong Dai, Weidong Tian, Minglin Wang, & **Xiting Zhuang***. The call of kinship: How clan culture shapes rural residents' commitment to hometown development in China. *Journal of Rural Studies* (Accepted).
- Zhihong Xu*, Jaehyun Ahn, Shuai Ma, Anjorin Ezekiel Adeyemi, Fahmida Husain Choudhury, **Xiting Zhuang**, Rafael Landaverde, & Gary J. Wingenbach. Bridging language and data: Transforming agricultural curricula for data analytics through linguistic insights. *PLOS One* (Accepted).
- Peng Lu*, Lulu Mao, **Xiting Zhuang**, Zhihong Xu, & Shuai Ma (2026). U.S. public perceptions of food date labeling: Text mining and content analysis of USDA request for information (RFI) responses. *Food Policy*, 140, 103055. [🔗](#)
- Zhihong Xu*, Shuai Ma, **Xiting Zhuang**, Anjorin Ezekiel Adeyemi, & Ashlynn Kogut (2026). Machine learning-assisted abstract screening on learning analytics: A step-by-step tutorial. *Systematic Reviews*, 15, 103. [🔗](#)
- Weidong Tian, Zhiyong Dai, Dongli Cao, & **Xiting Zhuang*** (2025). Parental educational pairings and child physical abuse: Evidence from China. *International Journal of Educational Development*. [🔗](#)
- Weidong Tian, Dongli Cao, & **Xiting Zhuang*** (2025). Work environment and intimate partner violence against women: Evidence from China. *Applied Economics*. [🔗](#)

- Zhihong Xu *, **Xiting Zhuang**, & Shuai Ma (2025). Machine learning-assisted systematic review: A case study in learning analytics. *Education Sciences*, 15(11), 1488. [↗](#)
- Colin A. Carter, Sandro Steinbach *, & **Xiting Zhuang** (2025). The 2021 container shipping crisis and its consequences for US agricultural exports. *Journal of Transport Economics and Policy*, 59(2), 110–136. [↗](#)
- Sandro Steinbach * & **Xiting Zhuang** (2025). Trade implications of ending China's zero-Covid policy. *Asian Economics Letters*, 6(3), 11–22. [↗](#)
- Sandro Steinbach * & **Xiting Zhuang** (2024). Global container shipping disruptions, pop-up ports, and U.S. agricultural exports. *Applied Economic Perspectives and Policy*, 46(2), 553–571. [↗](#)
- Sandro Steinbach * & **Xiting Zhuang** (2023). The impact of maritime shipping disruptions on U.S. tree nut exports and inventories. *Agribusiness*, 39(3), 904–911. [↗](#)
- Sandro Steinbach * & **Xiting Zhuang** (2023). U.S. agricultural exports and the 2022 Mississippi River drought. *Agribusiness*, 41(1), 289–303. [↗](#)
- Colin A. Carter, Sandro Steinbach *, & **Xiting Zhuang** (2023). Supply chain disruptions and containerized agricultural exports from California ports. *Applied Economic Perspectives and Policy*, 45(2), 1051–1071. [↗](#)
- Heidi Schweizer, Sandro Steinbach *, & **Xiting Zhuang** (2022). A portrait of firms that trade in meat products. *Western Economics Forum*, 20(2), 6–18. [↗](#)
- Raghav Goyal, Sandro Steinbach, Yasin Yildirim, & **Xiting Zhuang** (2024). U.S. agricultural trade challenges amid climate and geopolitical disruptions. *Choices*, 39(3), 1–7. [↗](#)
- Sandro Steinbach * & **Xiting Zhuang** (2023). Retaliatory tariffs and container shipping disruptions cause considerable trade damages to California's almond industry. *Choices*, 38(2). [↗](#)
- **Xiting Zhuang** * (2016). Urbanization process and carbon emission in China based on semi-parametric spatial lags model. *Logistics Engineering and Management*.

Working Papers

- **Xiting Zhuang** *, Shawn Arita, & Sandro Steinbach. The cost of China's 2025 tariff retaliation for U.S. agriculture. *Technical report*. [↗](#)
- **Xiting Zhuang** *, Sandro Steinbach, & Carlos Zurita. Tariff pass-through in the 2025 U.S.–China tariff increase.
- Weidong Tian & **Xiting Zhuang** *. The gift of equality: Legal recognition of same-sex unions and elder abuse.
- **Xiting Zhuang** *. Temperature, allowance, and air pollution: Evidence from regression discontinuity design.
- Weidong Tian & **Xiting Zhuang** *. Bread and bruises: The Great Chinese Famine and domestic violence.
- Sandro Steinbach & **Xiting Zhuang** *. Global supply chain and domestic cost shocks.
- Sandro Steinbach & **Xiting Zhuang** *. Global trade effects of tightening environmental trade policies in China.

Policy Briefs and Outreach Work

- Shawn Arita, Sandro Steinbach, & **Xiting Zhuang** (2026). A one-year retrospective assessment of China's 2025/26 retaliatory tariffs on U.S. agricultural exports. *NDSU Agricultural Trade Monitor 2026-05*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Matthew Gammans, Jiyeon Kim, Sandro Steinbach, & **Xiting Zhuang** (2026). How IEEPA tariffs shaped U.S. biofuel feedstock imports in 2025. *NDSU Agricultural Trade Monitor 2026-02*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)

- Shawn Arita, Ruchira Chakravorty, Jiyeon Kim, Wint Lwin, Sandro Steinbach, Ming Wang, & **Xiting Zhuang** (2026). IEEPA fertilizer tariffs: Revenue, relief, and pass-through. *NDSU Agricultural Trade Monitor 2026-01*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Matthew Gammans, Jiyeon Kim, Wint Lwin, Sandro Steinbach, Ming Wang, & **Xiting Zhuang** (2025). Supreme Court, food and input tariff relief, and market access opportunities through recent trade deals. *NDSU Agricultural Trade Monitor 2025-12*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Jiyeon Kim, Wint Lwin, Sandro Steinbach, Ming Wang, & **Xiting Zhuang** (2025). Implications of new U.S.-China deal, soybean commitments, port fee suspension, and SE Asia deals. *NDSU Agricultural Trade Monitor 2025-11*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Jiyeon Kim, Wint Lwin, Sandro Steinbach, Ming Wang, & **Xiting Zhuang** (2025). China could bypass U.S. soybeans in 2025/26 and IEEPA tariffs raise input costs. *NDSU Agricultural Trade Monitor 2025-10*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Jiyeon Kim, Wint Lwin, Sandro Steinbach, & **Xiting Zhuang** (2025). Soybean basis hits record low amid zero new-crop sales to China. *NDSU Agricultural Trade Monitor 2025-09*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Jiyeon Kim, Wint Lwin, Sandro Steinbach, Ming Wang, & **Xiting Zhuang** (2025). IEEPA tariff escalation: What it means for U.S. food and ag-input imports. *NDSU Agricultural Trade Monitor 2025-08*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Sandro Steinbach, Ming Wang, & **Xiting Zhuang** (2025). China's import declines reflect broader demand weakness. *NDSU Agricultural Trade Monitor 2025-07*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Shawn Arita, Sandro Steinbach, & **Xiting Zhuang** (2025). *NDSU Agricultural Trade Monitor 2025-06*. Center for Agricultural Policy and Trade Studies, North Dakota State University. [↗](#)
- Sunghun Lim, Sandro Steinbach, & **Xiting Zhuang** (2024). Panama Canal traffic delays threaten Southern Ag global supply chains. *Southern Ag Today*. [↗](#)
- Sandro Steinbach, Yasin Yildirim, & **Xiting Zhuang** (2024). Ripple effects of shipping lane disruptions on U.S. agriculture. *Farmdoc Daily*. [↗](#)
- Raghav Goyal, Sandro Steinbach, Yasin Yildirim, & **Xiting Zhuang** (2024). Southern U.S. agriculture faces headwinds in Asia amid Red Sea shipping disruptions. *Southern Ag Today*. [↗](#)
- Sandro Steinbach & **Xiting Zhuang** (2023). Down the river: How the 2022 Mississippi River drought damaged Southern U.S. agricultural trade. *Southern Ag Today*. [↗](#)
- Heidi Schweizer, Sandro Steinbach, & **Xiting Zhuang** (2022). International market concentration in the Southern meat trading market. *Southern Ag Today*. [↗](#)
- Sandro Steinbach & **Xiting Zhuang** (2022). Shipping container disruptions cause considerable export losses for Southern ports. *Southern Ag Today*. [↗](#)
- Sandro Steinbach & **Xiting Zhuang** (2021). Cost-benefit analysis of detection systems for protecting critical infrastructure from UAV threats in Connecticut. *Eversource Energy*.
- Colin A. Carter, Sandro Steinbach, & **Xiting Zhuang** (2021). Containergeddon and California agriculture. *ARE Update*, 25(2), 1–4. [↗](#)

Note: Entries marked with * denote Xiting Zhuang as the corresponding author.

Grants and Funding

- **USDA National Institute of Food and Agriculture (NIFA)** *Submitted October 2025*
Partnership: Next Generation Trade Intelligence for U.S. Beef, Pork, and Poultry Producers
Role: Co-Principal Investigator (Co-PI)
 Total Budget: \$800,000 (NDSU Subaward: \$275,000)
Project Director (PD): Modhurima Amin, Texas Tech University
Performance Period: 09/01/2026 – 08/31/2029

Teaching Experience

- North Dakota State University Fargo, ND
Guest Lecturer, AGE 739 – Analytical Methods for Applied Economics Spring 2026
- North Dakota State University Fargo, ND
Guest Lecturer, Econ 472/672 – International Trade Spring 2025
- University of Connecticut Storrs, CT
Teaching Assistant, ARE 3250 – Business Management Spring 2020
- University of Connecticut Storrs, CT
Teaching Assistant, ARE 2210/SARE 460 – Essentials of Accounting and Business Fall 2019

Service on Graduate Student Committees

- Benjamin Donkor (Ph.D. Student), Agricultural and Biosystems Engineering, NDSU Current
- Laurent Sessi (M.S. Student), Agribusiness and Applied Economics, NDSU Current

Conference Invited Talks

- International Agricultural Trade Research Consortium (IATRC) Washington, DC
 “Tariff Pass-Through in the 2025 U.S.–China Tariff Escalation.” Dec 2025
- Agricultural & Applied Economics Association (AAEA) Annual Meeting New Orleans, LA
 “Temperature, Allowance, and Air Pollution: Evidence from Regression Discontinuity Design.” Jul 2024
- International Agricultural Trade Research Consortium (IATRC) Clearwater, FL
 “Global Supply Chain and Trade Cost Shocks.” Dec 2023
- Agricultural & Applied Economics Association (AAEA) Annual Meeting Washington, DC
 “U.S. Agricultural Exports and the 2022 Mississippi River Drought.” Jul 2023
- AAEA at ASSA New Orleans, LA
 “Global Container Trade Disruptions, Pop-Up Ports, and U.S. Agricultural Exports.” Jan 2023
- International Agricultural Trade Research Consortium (IATRC) Clearwater, FL
 “Covid-19 Pandemic on International Trade: Evidence from China.” Dec 2022
- Agricultural & Applied Economics Association (AAEA) Annual Meeting Anaheim, CA
 “Global Shipping Container Disruptions and U.S. Agricultural Exports.” Aug 2022
- Northeastern Agricultural & Resource Economics Association (NAREEA) Meeting Mystic, CT
 “Supply Chain Crisis and Empty Shipping Containers.” Jun 2022

- CAHNR Graduate Student Research Forum, University of Connecticut
“Global Trade Effects of Tightening Environmental Standards in China.”Storrs, CT
May 2022
- Steinbach Research Group Seminar, University of Connecticut
“Global Shipping Container Disruptions and U.S. Agricultural Exports.”Storrs, CT
Mar 2022
- International Agricultural Trade Research Consortium (IATRC)
“The Heterogeneous Effect of Vaccination on Trade in the United States.”Virtual
Jan 2021
- Association of Environmental & Resource Economists (AERE) Summer Conference
“The Waste Backhaul Between the United States and China.”Virtual
Jun 2021
- European Association of Environmental & Resource Economists (EAERE)
“Environmental Standard, Waste Backhaul and Maritime Trade.”Virtual
Jun 2021
- Northeastern Agricultural & Resource Economics Association (NAREEA) Annual Meeting
“Global Waste Crisis? The Role of Chinese Environmental Trade Policies.”Mystic, CT
Jul 2020
- Association of Environmental & Resource Economists (AERE) Summer Conference
“International Trade Effects of Stricter Environmental Trade Policies in China.”Virtual
Jun 2020
- Agricultural & Applied Economics Association (AAEA) Annual Meeting
“Global Trade Effects of Tightening Environmental Standards in China.”Atlanta, GA
Jul 2019
- Agricultural & Resource Economics Seminar, University of Connecticut
“Global Trade Effects of Tightening Environmental Standards in China.”Storrs, CT
Oct 2019

Conference Presentations (Coauthored)

- Western Region American Association for Agricultural Education
“Bridging Language and Data: Transforming Agricultural Curricula for Big Data Analytics Through Linguistic Insights.”San Marcos, TX
Sep 2025
- Association for International Agricultural and Extension Education (AIAEE)
“Evaluating ChatGPT for Abstract Screening in Systematic Reviews: A Case Study on the Beef Production Risk.”Inverness, Scotland
Apr 2025

Referee Service

- Agribusiness
- Violence Against Women
- Humanities and Social Sciences Communications
- Applied Economic Perspectives and Policy
- Oxford Bulletin of Economics and Statistics
- International Food and Agribusiness Management Review
- Journal of the Agricultural and Applied Economics Association
- Agricultural & Applied Economics Association (Conference Review)

Honors, Awards, & Fellowships

- Conference Participation Award, Graduate School, University of Connecticut 2022
- 26th Participation Grant, European Association of Environmental and Resource Economists 2021
- Predoctoral Fellowship Award, ARE, University of Connecticut 2021
- Summer Fellowship, ARE, University of Connecticut 2020
- 2019 Travel Award, Agricultural & Applied Economics Association 2019
- Summer Fellowship, ARE Department, University of Connecticut 2019
- TKK First Order Scholarship, Xiamen University 2011

Affiliations

- Agricultural and Applied Economics Association
- International Agricultural Trade Research Consortium
- Northeastern Agricultural and Resource Economics Association
- Association of Environmental and Resource Economists
- European Association of Environmental and Resource Economists

Miscellaneous

- *Computational Skills*: Python, machine learning, text mining, API-based data collection, R, Stata, SQL, $\text{\LaTeX}$, ArcGIS, Git
- *Languages*: English (Professional proficiency), Mandarin Chinese (Native), Hokkien (Native)

References

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