Lei Xu

Department of Agricultural, Environmental and Development Economics, Ohio State University

1.614.572.7606 : xu.3448@osu.edu : https://leixu.netlify.app/ (for Most Recent CV)

Education

Ph.D., Agricultural Economics, Ohio State University	Fall 2019 – Summer 2024
M.Sc., Agricultural Economics, Ohio State University	Fall 2019 – July 2021
M.P.S., Applied Economics, Cornell University	Fall 2018 – Spring 2019
B.Sc. summa cum laude, Economics, University of Oregon	Fall 2015 – Summer 2017

Publications and Work in Process

Peer-Reviewed Publications

Xu L., Plakias Z., Hanks A.S., Garner J. (2024). Food insecurity, fruit and vegetable consumption, and use of the Supplemental Nutrition Assistance Program (SNAP) in Appalachian Ohio. *PLoS ONE* 19(2): e0295171.

Papers in Review

Chung S.H. & **Xu** L. Impact of Sugar-Sweetened Beverages Tax on Obesity and Obesity-Related Health Conditions: Evidence from Washington State's Soft Drink Syrup Tax. (**Under Review at** *Economic Inquiry*)

Xu L., Li R., Roe B.E. "How Freezer Use and Frozen Food Use are Associated with Household Food Waste" (Under Review at *British Food Journal*)

Zhang Z., Hanna S., **Xu L.** The Effect of Financial Knowledge on Workers' Expectation of Never Retiring. (**Revised and Resubmitted to** *Financial Services Review*)

Chung S.H., **Xu L.** "Immigration on Native's Fertility: Challenge Against 'Great Replacement'" (Under Review at Social Science Quarterly)

In Preparation for Submission

Xu L. "Household Food Waste Patterns: Exploring Categorical Price and Expenditure Elasticities Using a Demand System Approach" (Job Market Paper, in preparation to submit to *American Journal of Agricultural Economics*)

Xu L., Plakias Z., Jablonski B.B.R. "Price Elasticity of Demand, Impacts of Increasing Demand for Local Produce: Evidence from Apple Markets" (In preparation to submit to *Food Policy*)

Selected Work in Progress

"Measure Thrice, Predict Once: Estimating Individualized Bias Factors for Household Food Waste Self Reports" with Brian E. Roe, John Apolzan, and Corby Martin

"Food Waste and The Supplemental Nutrition Assistance Program (SNAP)" with Seung-Hun Chung

"Healthy Food, Health Farms? Implications of Healthy Food Policies for Agricultural Value Chains" with Zoë Plakias and Seung-Hun Chung

"A Comprehensive examination of Expenditure and Price Elasticities of Nicotine Pouches" with Ce Shang and Yanyun He

"The Demand Analysis on Cigarette and E-Cigarette in the United States" with Ce Shang

Outreach and Extension

Published Report

Plakias Z., **Xu L.** (2023). "Potential Impacts of Local Food Incentives by the Numbers", used by Green Umbrella, Feed our Future, the Ohio School Nutrition Association, and other organizations to increase awareness of Farm to School activities and needs in Ohio.

Report in Review

Smathers, C., Scott, H., Plakias, Z., Xu, L. "Farm to School in Ohio: Policy and System Changes to Increase Sales of Local Foods to Schools". Submitted for Peer Review through Ohio State University Extension Family and Consumer Sciences, for publication as an Ohio State University Extension Technical Report.

Research Experience

Graduate Research Assistant, Department of Agricultural, Environmental, and Development Economics at The Ohio State University, 2020-2024

Tasks: Construct simulation models in MATLAB to validate structural models for the interactions of food taste and healthfulness, estimate local food demand and explore the implications of increasing local food purchases on local and national food markets. Statistical analysis for frozen food waste, structural and reduced-form models applied to analyze how to estimate and reduce food waste. Use machine learning method to explore the self-report bias in food waste self-report survey.

Graduate Research Assistant, Department of Economics at University of Oregon, 2016-2017

Tasks: Statistical analysis for the early core curriculum outcomes in the Lindquist Business School and subsequent effects on graduation

Teaching Experience

The Ohio State University

Independent Lab Instructor

AEDECON 2005 Data Analysis for Agribusiness and Applied Economics Spring 2023

Student Evaluation: 4.5/5 (15 students, top SEI among similar courses)

Graduate Teaching Assistant

AEDECON 3000 Quantitative Methods in Agribusiness and Applied Economics Fall 2020
AEDECON 3000 Quantitative Methods in Agribusiness and Applied Economics Spring 2021

University of Oregon

Economics Tutor

EC 490 Development Economics	Spring 2017
EC 440 Public Economics	Spring 2017
EC 340 Resource Economics	Winter 2017
EC 320 Econometrics	Winter 2017
EC 311 Intermediate Microeconomics	Fall 2016
EC 313 Intermediate Macroeconomics	Fall 2016

Selected Presentations

Xu L.*¹, Plakias Z., Hanks S.H., Garner J. "The Supplemental Nutrition Assistance Program (SNAP), Food Insecurity, and Fruit and Vegetable Consumption in Appalachian Ohio". <u>Selected Paper</u>, Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, Jul. 31-Aug. 2, 2022

Xu L.*, Plakias Z., Jablonski B.B.R. "Do Farmers and Communities Really Win from Farm to School Programs?" <u>Selected Paper</u>, Agricultural & Applied Economics Association Annual Meeting, Anaheim, CA, Jul. 31-Aug. 2, 2022

Xu L.*, Plakias Z., Hanks S.H., Garner J. "The Supplemental Nutrition Assistance Program (SNAP), Food Insecurity, and Fruit and Vegetable Consumption in Appalachian Ohio". <u>Selected Poster</u>, Appalachian Translational Research Network (ATRN) Summit, Lexington, KY, Nov. 14-15, 2022

Xu L.*, Plakias Z., Jablonski B.B.R. "Price Elasticity of Demand, Impacts of Increasing Demand for Local Produce: Evidence from Apple Markets". **Selected Paper**, Midwest Economic Association (MEA) Conference, Cleveland, OH, Mar 31-Apr 2, 2023

Smathers, C.*, Scott, H.*, Plakias, Z.*, **Xu**, **L.*** "Farm to School in Ohio: State Frameworks for Support and Potential Impacts of Local Foods Incentives". <u>Selected Presentation</u>. Presented to the Ohio Food Policy Network. Presented virtually from Columbus, OH, 2022.

Plakias Z.*, Chung S.H., **Xu L.** "Healthy Food, Health Farms? Implications of Healthy Food Policies for Agricultural Value Chains". **Selected Paper**, Agriculture Policy Conference, Virtual, Oct. 16-17, 2020

Zhang Z.*, **Xu L.** "Exploring Factors That Affect Retirement Decisions and Saving Behaviors". **Selected Poster**, Phi Upsilon Omicron 2022 Conclave, Columbus, OH, Oct. 6-8, 2022

Professional Service

Reviewer for: European Countryside, British Food Journal

^{1 &#}x27;*' denotes presenting author.

Memberships and Affiliations

- Agricultural and Applied Economics Association (AAEA)
- American Economic Association (AEA)
- Golden Key International Honor Society Membership

Honors & Awards

- Nomination for the 2022 2023 Ohio State University Graduate Associate Teaching Award (GATA)
- Ohio State University travel grant: 2021 2023
- University of Oregon Dean's List: Winter 2015 Spring 2017
- University of Oregon Economics Departmental Honors: Spring 2017

Skills & Certifications

Software: Microsoft Office, Stata, MATLAB, R, Latex, SAS, EViews, MySQL **Certificates**: National Computer Rank Examination Certificate Grade II

Language: Chinese (Native), English (Fluent)

References

Professor Brian E. Roe (advisor)

Department of Agricultural, Environmental and Development Economics

The Ohio State University

Phone: 614-688-5777 Email: roe.30@osu.edu

Professor Zoë Plakias (co-advisor)

Department of Economics

Western Washington University

Email: plakiaz@wwu.edu

Professor Abdoul Sam (committee member)

Department of Agricultural, Environmental and Development Economics

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