

Linlin Fan

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The Pennsylvania State University
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EMPLOYMENT

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| <u>Associate Professor</u> | Agricultural Economics, Pennsylvania State University | 2024-present |
| <u>Assistant Professor</u> | Agricultural Economics, Pennsylvania State University | 2019-2024 |
| <u>Assistant Professor</u> | Agricultural Economics, Mississippi State University | 2018-2019 |

EDUCATION

| | | | |
|--|-------|------|-------------------------------------|
| University of Illinois at Urbana-Champaign | Ph.D. | 2018 | Agricultural and Consumer Economics |
| University of Illinois at Urbana-Champaign | M.S. | 2015 | Statistics |
| University of Illinois at Urbana-Champaign | M.S. | 2012 | Agricultural and Consumer Economics |
| Renmin University of China | B.S. | 2010 | Trade Economics |

PUBLICATIONS (students are underscored)

21. Zhao, Y., L. Fan, N. Wilson, A. Valderama, and P. Wilde. 2025. "Variations on the Thrifty Food Plan: Model Diets that Satisfy Cost and Nutrition Constraints". *Food Policy*, 130: 102781.
20. Vecchi, M., L. Fan, K.L. Keller, S. Myruski, R.M. Nayga, and W. Yang. 2024. "Understanding the Impact of Online Food Advertisements and Emotions on Adolescents' Food Choices" *Canadian Journal of Agricultural Economics*, 72(1), 45-76.
19. Feng, J., L. Fan and E. Jaenicke. 2023. "The Distributional Impact of SNAP on Dietary Quality" *Agricultural Economics*, 55(1), 104-139.
18. Fan, L., Z. Wang, Y. Zhao and Y. Ma. 2023 "Urban-Rural Gaps in Knowledge, Use and Perceived Benefits of Nutrition Labels in China: Evidence from 10 Provinces" *Nutrients*, 15(5), 1171.
17. Fan L., A. Stevens and Thomas, E. 2022. "Consumer Purchasing Response to Mandatory Genetically Engineered Labeling" *Food Policy*, 110: 102296.
 - AAEA Best Master Thesis Award – Elizabeth Thomas (Advisee)
16. Ellison, B., L. Fan and N. Wilson. 2022. "Is It More Convenient to Waste? Trade-offs Between Grocery Shopping and Waste Behaviors" *Agricultural Economics*, 1-15.
15. Baylis, K., L. Nogueira, L. Fan and K. Pace. 2022. "Something Fishy in Seafood Trade? The Relation between Tariff and Non-Tariff Barriers" *American Journal of Agricultural Economics*, 1-23.
 - AAEA International Section Best Publication Award
14. Fan, L., B. Ellison and N. Wilson. 2022. "What Food Waste Solutions do People Support?" *Journal of Cleaner Production*. 330(129907): 1-13.
13. Canales, E., L. Fan, D. Buys and M. Cantave. 2021. "A Market Basket Assessment: Prices and Availability

- of Healthy Foods across SNAP-Authorized Food Outlets in Counties with High Obesity Rates in Mississippi” *Preventing Chronic Disease*, 18(E99): 1-10.
12. Han, X., Y. Xu, L. Fan, Y. Huang, M. Xu and S. Gao. 2021. “Quantifying COVID-19 importation risk in a dynamic network of domestic cities and international countries” *Proceedings of the National Academy of Sciences*, 118 (31) e2100201118.
 - 2022 Roy C. Buck Faculty Award
 11. Fan, L., C. Gundersen, K. Baylis and M. Saksena. 2021. “The Use of Charitable Food Assistance Among Low-Income Households in the United States” *Journal of the Academy of Nutrition and Dietetics*, 121(1): 27-35.
 10. Fan, L., E. Canales, B. Fountain and D. Buys. 2020. “An Assessment of the Food Retail Environment in Counties with High Obesity Rates in Mississippi” *Journal of Hunger & Environmental Nutrition*, 1-23.
 9. Mullin, G., L. Fan, S. Sulo and J. Partridge. 2019. “The Association between Oral Nutritional Supplements and 30-Day Hospital Readmissions of Malnourished Patients at a US Academic Medical Center” *Journal of the Academy of Nutrition and Dietetics*, 119(7):1168-1175.
 8. Baylis, K., L. Fan and L. Nogueira. 2019. “Agricultural Market Liberalization and Household Food Security in Rural China” *American Journal of Agricultural Economics*, 101(1): 250-269.
 7. Siegel, S., L. Fan, A. Goldman, J. Higgins, S. Goates, J. Partridge. 2019. “Impact of a Nutrition-Focused Quality Improvement Intervention on Hospital Length of Stay” *Journal of Nursing Care Quality*, 34(3): 203-209.
 6. Fan, L., K. Baylis, C. Gundersen and M. Ver Ploeg. 2018. “Does a Nutritious Diet Cost More in Food Deserts?” *Agricultural Economics*, 49(5): 587-597.
 5. Wei, J., L. Fan, Y. Zhang, S. Li, J. Partridge, L. Claytor and S. Sulo. 2018 “Association between Malnutrition and Depression among Community-Dwelling Older Chinese Adults” *Asia Pacific Journal of Public Health*, 30(2): 107-117.
 4. Xu, Y. and L. Fan. 2017. “Diverse Friendship Networks and Heterogeneous Peer Effects on Adolescent Misbehaviors” *Education Economics*, 26(3): 233-252.
 3. Zhang, Y., L. Fan, P. Chai, J. Partridge, L. Claytor, S. Li, S. Goates. 2017 “Analysis on the Impact of Malnutrition on Outpatient and Inpatient Costs among the Elderly in China” *Chinese Health Economics*, 36(12): 91-94.
 - Won 1st Place in the 2017 PENZA Paper Competition
 2. Wei, J., L. Fan, Y. Zhang, J. Partridge, L. Claytor, S. Li, S. Sulo. 2017. “The Impact of Malnutrition on Health Outcomes and Healthcare Cost among Chinese Older Adults” *Chinese Journal of Geriatrics*, 36(8): 929-933.
 - Won 4th Place in the 2017 PENZA Paper Competition
 1. Graham, J. L. Fan, E. Meadows, L. Hang, J. Partridge, S. Goates. 2017. “Addressing Malnutrition Across the Continuum of Care: Which Patients Are Likely to Receive Oral Nutritional Supplements?” *Journal of Ageing Research and Healthcare*, 1(3): 18-27.

WORKING PAPERS (students are underscored)

1. J. Sears, S. Villas-Boas, A. Stevens, L. Fan, M. Sears, C. Trachtman. “Deniers and Compliers: Unpacking the Heterogeneous Effectiveness of U.S. Stay-at-Home Mandates During the COVID-19 Pandemic” *Revise and Resubmit, Journal of Applied Econometrics*
2. Pan, Y., L. Fan and S. Goetz. “Economic Shocks, Food Insufficiency and Mental Health during the COVID-19 Pandemic” *Revise and Resubmit, PLOS ONE*
3. X. Han, Y. Xu, Y. Huang, L. Fan, M. Xu and S. Gao. “Seeding Efficient Large-scale Public Health Interventions in Diverse Spatial-social Networks” *Under Review*
4. Pan, Y., L. Fan and S. Goetz. “COVID-19 and Racial Disparities in the Nutritional Quality of Food-at-home Purchases” *Under Review*
5. Fan, L., M Liu, X Tian, A Chen and Y Dang. “Associations between Micronutrient Sufficiency, Subjective Well-being and Mortality Among Community-Dwelling Chinese Adults.” *Under Review*
6. Fan, L., Y Pan, X Tian, A Chen and Y Dang. “Associations between Calcium Intake, Functional Ability and Healthcare Cost: A Longitudinal Cohort Study”. *Under Review*
7. Hong, K., S Sulo, W Wang, M Kim K Kerr, L Fan, D Williams. “Oral Nutritional Supplements and Weight and Muscle Outcomes Among GLP-1 Agonist Users: Evidence from a Retrospective Study”. *Under Review*
8. Liu, Y., L. Fan, and Y. Zhang. “Information Framing and the Impact of Nutrition Label Serving Size Change” *Under Review*
9. Zhao, Y., L. Fan, N. Wilson, A. Valderama, and P. Wilde. 2025. “Making Healthy Food Affordable” *Under Review*
10. Fan, L., Zhao, Y. et al. “Cost of a Nutritious Diet in Cafeterias: Evidence from Military Dining Facilities” *Under Review*
11. Yu, Y. and L. Fan. “Evaluating Food Assistance Programs in the Presence of Food Waste: The Case of SNAP”
12. Zhao, X., L. Fan and Y. Xu. “Peer Effects in Climate Change Beliefs”

OTHER PUBLICATIONS

1. Martin, E., E. Hallett, L. Fan, B. Ellison, N. Wilson. 2025. “Who is to Blame for Food Waste” *Choices* 39(4): 1-5.
2. Ver Ploeg, M. and L. Fan. 2018. “Variety-Adjusted Food Prices Are Slightly Higher in Census Tracts Where Households Have Limited Access to a Supermarket”. *Amber Waves*.
3. Gundersen, C., K. Baylis, L. Fan, L. House and P. Dutko. 2016. “Construction of Weekly Store-Level Food Basket Costs Documentation”. USDA FoodAPS Documentation.

HONORS AND AWARDS

| | |
|------|---|
| 2024 | Phi Beta Kappa Thesis Award- Kacey Lo (Advisee) |
| 2023 | AAEA International Section Best Publication Award |
| 2022 | Roy C. Buck Faculty Awards, College of Agricultural Sciences, Penn State University |

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| 2021 | AAEA Best Master Thesis Award – Elizabeth Thomas (Advisee) |
| 2018 | Outstanding PhD Dissertation Award, Dept. of ACE, University of Illinois |
| 2017 | Best Paper Award of Parenteral and Enteral Nutrition Society of Asia (PENSA) Annual Meeting |
| 2012-2015 | Henry Fellowship for PhD Students, University of Illinois |
| 2014 | Outstanding Second Year Paper Award, Dept. of ACE, University of Illinois |
| 2013 | Pass Ph.D. Core Examination with Distinction, Dept. of ACE, University of Illinois |
| 2012 | Outstanding Master Thesis Award, Dept. of ACE, University of Illinois |

GRANTS (Total: \$1,892,581)

10. USDA Economics Research Services. “Inflation, SNAP Maximum Benefits Increase and Nutrition Equity” 2023. **PI**-L. Fan. Co-PI – A. Carlson. \$50,000
9. USDA, National Institute of Food and Agriculture (NIFA). “Investigating the Roles of Nutrition Information, Nutrition Literacy and the Updated Nutrition Facts Label on Dietary Choices” 2023. PI- Y. Liu, **Co-PI** – L. Fan, E. Jaenicke, M. Vecchi. \$647,144.
8. USDA, Economic Research Services. “Basic Daily Food Allowance Model” 2021. **PI**-L. Fan. Co-PI -M. Bruening \$216,649
7. Pennsylvania State University, Social Science Research Institute (SSRI) “Understanding the Impact of Online Food Advertisements and Emotions on Adolescents’ Food Choices” 2021. PI- M. Vecchi, **Co-PI** - L. Fan, K. Keller, S. Myruski, R. Nayga, W. Yang. \$19,920
6. USDA, Economic Research Services. “COVID-19, SNAP and Racial and Income Inequality in Nutrition” 2021. **PI**-L. Fan, Co-PI – A. Stevens. \$35,000
5. USDA, National Institute of Food and Agriculture (NIFA). “From Scarcity to Prosperity: How Nutrition/Cost Tradeoffs Influence Consumer Choices and the Food System” 2021. PI- P. Wilde, **Co-PI** – L. Fan, S. Folta, N. Wilson. \$499,932.
4. USDA, National Institute of Food and Agriculture (NIFA). “Investigating Mechanisms between Time Scarcity and Healthfulness of Food Choices – Evidence from Scanner Data and Lab Experiments” 2021. PI- E. C. Jaenicke, **Co-PI** – L. Fan, M. Vecchi, Y. Liu. \$423,316
3. USDA, Economic Research Services. “The Food Assistance Programs Participation and Food Choices of Low-Income Households” 2019. **PI** - L. Fan, Co-PI – E. C. Jaenicke, E. Page. \$50,000
2. USDA, Economic Research Services. “The Inter-Relationships between When, Where and What to Buy by SNAP Households” 2019. **PI** - L. Fan, Co-PI- C. Gundersen, E. Page, M. Ver Ploeg. \$50,000
1. University of Illinois, Campus Research Board. “The Effects of Agricultural Commercialization on Household Food Security in Rural China.” **PIs** – K. Baylis, L. Fan and L. Nogueira. 2012. \$13,620.

TEACHING AND SUPERVISING

Courses Taught

| | |
|--------------|--|
| 2020-present | EEFE-510 Econometric I (PhD) |
| 2020-present | AGBM-338 Agribusiness in the Global Economy (Undergraduate) |
| 2019 | AEC-3213 International Trade for Agriculture (Undergraduate) |

Primary Graduate Supervisor

1. Elizabeth Thomas, MS student, Mississippi State University (MSU), 2018-2020
2. Jinglin Feng, PhD student, Pennsylvania State University (PSU), 2019-2023
3. Yuxuan Pan, PhD student, PSU, 2021-2025
4. Yiwen Zhao, PhD student, PSU, 2020-present
5. Xialing Zhao, PhD student, PSU, 2021-present
6. Mohan Liu, PhD student, PSU, 2023-present
7. Samyar Darzilarijani, PhD student, PSU, 2025-

Dissertation Committee

8. Pei Zhou, PhD student, PSU, 2019-2023
9. Min-Fang Wei, PhD student, University of Illinois at Urbana-Champaign, 2020-2023
10. Wen Tian, PhD student, PSU, 2022-2025
11. Sara Shaddel, PhD student, PSU, 2023-present

Undergraduate Honor Thesis Advisor

11. Kacey Ho, undergraduate student, PSU, 2023-2024

REFeree SERVICES

Agricultural Economics, Agribusiness: an International Journal, Applied Economic Perspectives and Policy, American Journal of Agricultural Economics, American Journal of Preventive Medicine, Agricultural and Resource Economics Review, The Australian Journal of Agricultural and Resource Economics, Canadian Journal of Agricultural Economics, China Agriculture Economic Review, Economies, European Review of Agricultural Economics, Food Policy, Food Quality and Preferences, Forest, International Journal of Environmental Research and Public Health, Journal of Agricultural and Applied Economics, Journal of Agricultural and Applied Economics Association, Journal of Nutrition Education and Behavior, Journal of Nutrition Health and Aging, Nutrients, Resources, Sustainability, Urban Studies

OTHER SERVICES

1. Energy, Environmental, and Food Economics (EEFE) graduate program core exam committee, PSU (2019-)
2. Food Economics Informal Seminar Series, PSU (2019-)
3. EEFE graduate admission committee, PSU (2019-)
4. Agribusiness Management (AGBM) Advisory Board, PSU (2021-)
5. Board Member. Northeastern Agriculture and Resource Economics Association (2021-)
6. Food Safety and Nutrition Section Topic Leaders, AAEA (2021-2023)
7. Board of Directors, Food Distribution Research Society (2022-)
8. Annual Meeting Selected Paper Committee. NAREA (2023-)

CONFERENCE AND SEMINAR PRESENTATIONS

1. Zhao, X., L. Fan and Y. Xu. "Peer Effects in Climate Change Beliefs" North American Regional Science Council (NARSC) Annual Meeting, 11/2024

2. Pan, Y., L. Fan and S. Goetz. “The Effect of State Soda Taxes on Soft Drink and Candy Purchases” **AAEA**, 07/2024
3. Zhou, P., E. Jaenicke, L. Fan, Y. Liu, M. Vecchi, E. Zeballos, S. Park. “Investigating Tradeoffs and Mechanisms Between Time Scarcity and the Healthfulness of Food Choices”. **AAEA**, 07/2024.
4. J. Sears, S. Villas-Boas, A. Stevens, L. Fan, M. Sears, C. Trachtman. “Deniers and Compliers: Unpacking the Heterogeneous Effectiveness of U.S. Stay-at-Home Mandates During the COVID-19 Pandemic” Chinese Economists Society (CES) Annual Meeting, 07/2024
5. Wilde P, Y. Zhao, L. Fan and N. Wilson “Making Healthy Food More Affordable” **AAEA**, 07/2023
6. Fan, L. and Y. Zhao “The Impact of Pandemic EBT on Food Expenditure and Diet Quality” **NAREA**, 06/2023
7. Zhao, X., L. Fan and Y. Xu. “Peer Effects in Climate Change Beliefs” **AERE**, 06/2023
8. Fan, L. B. Ellison and N. Wilson. “What Food Waste Solutions Do People Support?” **Council on Food, Agricultural and Resource Economics Webinar**, 06/2023
9. Fan, L. “The Welfare Impact of Subsidizing Supermarkets into Food Deserts”. Invited seminar, Morrison School of Agribusiness, **Arizona State University**, 04/2023
10. Fan, L. “The Welfare Impact of Subsidizing Supermarkets into Food Deserts”. Invited seminar, Department of Agricultural Economics, **Auburn University**, 04/2023
11. Pan, Y., L. Fan and S. Goetz. “Economic Shocks, Food Insufficiency and Mental Health during the COVID-19 Pandemic” **American Economic Association Annual Meeting** 01/2023
12. Fan, L., E. Zou, J. Feng, and D. Wrenn. “The Impact of Air Pollution on Comfort Food Purchases” **AAEA** 08/2022
13. Vecchi, M., L. Fan, K. Keller, S. Myruski, R.M. Nayga. W. Yang. “Understanding the Impact of Online Food Advertisements and Emotions on Adolescents’ Food Choices” **AAEA** 08/2022
14. Liu, Y., L. Fan and Y. Zhang “Information Framing and the Impact of Nutrition Label Serving Size Change” **AAEA** 08/2022
15. Zhao, Y. L. Fan, A. Valdes, N. Wilson and P. Wilde. “Nutrition Objectives and Constraints for Low-Income Americans” **NAREA** 06/2022
16. Feng, J., L. Fan, E. Jaenicke. “Investigating Heterogeneity in the Use of Food Coping Strategies During the Supplemental Nutrition Assistance Program Benefit Month” **AAEA** 08/2021

17. Wilde, P., L. Fan, Y. Zhao, E. Martinez, A. V. Valderrama, N. Wilson. "From Scarcity to Prosperity: Nutrition and Food Spending Goals and Constraints for Low-Income Americans" **AAEA** 08/2021
18. Yu, Y. L. Fan. "How Does the Supplemental Nutrition Assistance Program Affect Food Waste?" **AAEA** 08/2021
19. Feng, J., L. Fan, E. Jaenicke. "The Impact of Supplemental Nutrition Assistance Program on Dietary Quality" **AAEA** 07/2020.
20. Fan L., A. Stevens and Thomas, E. "Consumer Purchasing Response to Mandatory Genetically Engineered Labeling" **AAEA** 07/2020
21. Martin, E., E. Hallett, L. Fan, B. Ellison, N. Wilson. "Attribution of Blame for Food Waste" **AAEA** 07/2020
22. Fan L., A. Stevens and Thomas, E. "Consumer Purchasing Response to Mandatory Genetically Engineered Labeling" **SAEA** 02/2019
23. Siegel, S, L. Fan, A. Goldman, J. Higgins, S. Goates, J. Partridge. "The Impact of Nutrition-Focused Quality Improvement Interventions on Length of Stay and Readmission Rates Among Hospitalized Malnourished Patients" The Academy of Nutrition and Dietetics Food and Nutrition Conference & Expo (FNCE) 10/2018, The **Academy Health** Annual Research Meeting 06/2018, International Society for Pharmacoeconomics and Outcomes Research Annual Meeting (**ISPOR**) 05/2018.
24. Fan, L. "The Welfare Impact of Subsidizing Grocery Stores into Food Deserts" **AAEA** 08/2018; Penn State University 03/2019; **Rutgers University** 03/2020.
25. Fan, L. "Does Subsidizing Supermarkets to Enter Food Deserts Increase Welfare?" **AAEA** 08/2017
26. Ellison, B., L. Fan, N. Wilson. "Is It More Convenient to Waste?" **AAEA** 08/2018
27. Mullin, G.E., L. Fan, S. Sulo, J. Partridge. "The Association between Oral Nutritional Supplements and 30-Day Hospital Readmissions of Malnourished Patients at a US Academic Medical Center" Digestive Disease Week (**DDW**) 06/2018.
28. Fan, L. "Access to Fruits and Vegetables and Consumer Welfare in Urban Food Deserts." Agricultural and Applied Economics Association Annual Meeting (**AAEA**) 08/2017; Penn State University 01/2018; Mississippi State University 01/2018.
29. Zhang, Y., L. Fan, P. Chai, J. Partridge, L. Claytor, S. Li, S. Goates. "The Impact of Malnutrition on Outpatient and Inpatient Cost among Older Chinese Adults" Parenteral and Enteral Nutrition Society of Asia Annual Meeting (**PENSA**) 11/2017, European Society for Parenteral and Enteral Nutrition Annual Meeting (**ESPEN**) 09/2017, International Health Economics Association Annual Meeting (**IHEA**)

07/2017, Chinese Society for Parenteral and Enteral Nutrition Annual Meeting (**CSPEN**) 05/2017, **ISPOR** 05/2017

30. Wei, J., L. Fan, Y. Zhang, J. Partridge, L. Claytor, S. Li, S. Sulo. “The Impact of Malnutrition on Depression among Chinese Older Adults.” **PENSA** 11/2017, **ESPEN** 09/2017, **IHEA** 07/2017, **CSPEN** 05/2017, **ISPOR** 05/2017
31. Wei, J., L. Fan, Y. Zhang, J. Partridge, L. Claytor, S. Li, S. Sulo. “The Impact of Malnutrition on Health Outcomes among Chinese Older Adults.” **PENSA** 11/2017, **ESPEN** 09/2017, **IHEA** 07/2017, **CSPEN** 05/2017, **ISPOR** 05/2017
32. Fan, L., K. Baylis, C. Gundersen and M. Ver Ploeg “Does a Nutritious Diet Cost More in Food Deserts?” Allied Social Sciences Associations Annual Meeting, Chicago (**ASSA**) 01/2017, **USDA ERS Workshop** 04/2016, **AAEA** 08/2015
33. Fan, L., C. Gundersen, M. Hake, K. Baylis, T.D. Dys, and T. Park “The Use of Food Pantries and Soup Kitchens by Low-Income Households” **AAEA** 08/2016
34. Graham, J. L. Fan, E. Meadows, L. Hang, J. Partridge, S. Goates. “Addressing Malnutrition Across the Continuum of Care: Which Patients Are Likely to Receive Oral Nutritional Supplements?” **ISPOR** 05/2016
35. Fan, L., K. Baylis and C. Gundersen. “The Location and Timing of SNAP Purchases”. The 7th Midwest Graduate Student Summit: Applied Economics, Regional and Urban Studies (**AERUS**) 04/2014.
36. Fan, L., K. Baylis and L. Nogueira. “Agricultural Market Liberalization and Household Food Security in Rural China.” **AAEA** 08/2013
37. Fan, L., K. Baylis and L. Nogueira. “The Effects of Agricultural Market Liberalization and Commercialization on Household Food Security in Rural China.” Midwest Economics Association Annual Meeting (**MEA**) 03/2012
38. Fan, L., K. Baylis and L. Nogueira. “The Effects of Market Liberalization and Agricultural Commercialization on Household Food Security in Rural China.” International Agricultural Trade Research Consortium Annual Meeting (**IATRC**) 12/2011

Total presentation: 57

OTHER INFORMATION

Languages: English (Fluent), Chinese (Native)

Computer Skills: Stata, MATLAB, R, SAS, GAMS, ArcGIS and LaTeX