

March 2024

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EDUCATION

Ph.D., Food Policy and Applied Nutrition **February 2021**

Friedman School of Nutrition Science & Policy, Tufts University

Fields: Food policy, Microeconomics of food & nutrition policy, Nutrition

Committee: Prof. William A. Masters, Tufts University

Prof. Patrick C. Webb, Tufts University

Dr. Luc Christiaensen, World Bank

Dissertation: “Household consumption, individual requirements, and the affordability of nutrient-adequate diets – An application to Malawi”

M.P.A., Public Administration and International Development **June 2011**

Evans School of Public Policy & Governance, University of Washington

B.A., Sociology **June 2006**

McGill University

RESEARCH & RELATED PROFESSIONAL EXPERIENCE

Research Scholar (research faculty), Johns Hopkins University, Washington, DC **July 2023 –**

Co-Lead, Development, Climate & Sustainability Focus area **July 2023 –**

Fellow (research faculty) **July 2021 – June 2023**

Paul H. Nitze School of Advanced International Studies

Senior Research Data Analyst, Johns Hopkins University, Baltimore, MD **March – June 2021**

Berman Institute of Bioethics

Graduate Researcher, Tufts University, Boston, MA **2016 – 2020**

Changing Access to Nutritious Diets in Africa and South Asia Project **2018 – 2020**

PI: William Masters

United in Building and Advancing Life Expectations Project, Blantyre, Malawi **2016 – 2018**

PI: William Masters

Agricultural Development, Bill & Melinda Gates Foundation, Seattle, WA **2011 – 2016**

Program Officer **2016**

Associate Program Officer **2013 – 2015**

Research Analyst **2011 – 2013**

Field Research Assistant, University of Washington, Seattle, WA **2011**

Water & Time Use Study, Oromia, Ethiopia

PI: Joseph Cook

Graduate Research Assistant, University of Washington, Seattle, WA **2009 – 2011**

Evans School Policy Analysis & Research (EPAR) Group: Providing agriculture and development policy research.

PIs: Leigh Anderson & Mary Kay Gugerty

TEACHING EXPERIENCE

Johns Hopkins University, Paul H. Nitze School of Advanced International Studies	2021 – present
Instructor, Agricultural Development	Spring 2024
Instructor, Practical Research Methods	Spring 2022, Fall 2022, Fall 2023
Instructor, Agriculture and Economic Development in the Modern World	Spring 2023
Faculty Advisor, SAIS Women Lead Practicum (2 groups)	2021 – 2022
Tufts University, Friedman School of Nutrition Science & Policy, Boston, MA	
Co-Instructor with Prof. Sean Cash, Statistical Methods	Fall 2020
Co-Instructor with Prof. Lynne Ausman, Research Methods and Proposal Writing	Summer 2020
Curriculum Development Assistant for Prof. Sean Cash, Economics of Ag. & Environment	2020
Curriculum Development Assistant for Prof. Sean Cash, Statistical Methods	2020
Teaching Assistant for Prof. Sean Cash, Statistical Methods	Fall 2018 & 2019
Teaching Assistant for Prof. Lynne Ausman, Research Methods and Proposal Writing	Summer 2019
Teaching Assistant for Prof. Parke Wilde, Regression Analysis	Spring 2019
Tutor for Academic Dean Ed Saltzman, Advanced Data Analysis	Spring 2019

CURRENT WORKING PAPERS

*Denotes graduate student first author(s) under my supervision.

Schneider, K., De La O Campos, A.P., Cavatassi, R., Davis, B. “The new rural development paradigm presents opportunities and challenges for inclusive income and job growth.” Background paper and organized session on ‘Shaping Priorities and Investments for Resilient, Inclusive Rural Transformation’, FAO. *Under review*. (FAO RITI project, contract from FAO)

Davis, B., Winters, P., Mane, E., Gurbuzer, Y., **Schneider, K.**, Caivano, G., Piedrahita, N., Chaudhary, N., Ambikapathi, R. “Estimating global and country-level employment in agri-food systems.” *Under review*. ([FAO working paper](#))

*Aytekin, N.D., Dewi, D., **Schneider, K.**, Resnick, D., Covic, N. “Policy coherence for food systems transformation: A scoping review.” *Under review*. (Food Systems Countdown Initiative project, grant from Dutch Ministry of Foreign Affairs via GAIN)

Schneider, K., Yi, J., Conforti, P., Boero, V., Cerilli, C., Vollaro, M., Jiang, S., Rosero Moncayo, J., Barrett, C. “Estimating output value added of the world’s agri-food systems.” (Value added in agri-food systems project, grant from FAO)

Schneider, K., Cash, S., Feng, W., Thorne-Lyman, A., & Love, D. “Whose diet quality is most at risk when food prices rise? Revealed preference from national panel scanner data, 2015-2018.” (“Whose diet quality is most at risk when food prices rise?” project, grant from Robert Wood Johnson Foundation)

Schneider, K. & Thorne-Lyman, A. “Willingness-to-pay for healthy and sustainable foods: Experimental evidence from an informational intervention with American consumers.” (Soil-to-Society project, grant from USDA via Washington State University)

Manners, R., Umugwaneza, M., Benimana, G., Matsiko, E. Vasanthakalam, H., **Schneider, K.** & Spielman, D. “The cost and affordability of new dietary recommendations in Rwanda.”

Thorne-Lyman, A. & **Schneider, K.** “Meeting the dietary guidelines for whole grains: Status & opportunities to shift preferences.” (Soil-to-Society project, grant from USDA via Washington State University)

Thorne-Lyman, A., **Schneider, K.**, Ramsing, R., & Altema-Johnson, D. “Where’s the beef? American preferences and perceptions of legumes and other plant-based protein foods.” (Soil-to-Society project, grant from USDA via Washington State University)

GRANTS & AWARDS

*Denotes the budget includes paid student RA-ships

“Whose diet quality is most at risk when food prices rise?” Robert Wood Johnson Foundation Award to Johns Hopkins: \$96,324* PI: Kate Schneider	2023-2025
“Value added in Agri-food Systems” Food and Agriculture Organization of the United Nations Award to Johns Hopkins: \$98,369 PI: Kate Schneider	April 2023 – February 2024
“Food Systems Countdown Initiative” Dutch Ministry of Foreign Affairs sub-award from GAIN Award to Johns Hopkins: \$375,000* PI: Kate Schneider	2022 – 2024
“Optimizing human health and nutrition: from soil to society,” U.S. Department of Agriculture, sub-award from Washington State University Award to Johns Hopkins: \$987, 014 (total award: \$10 million) PI: Andrew Thorne-Lyman	2022 – 2027
“Food Systems Countdown Report” Dutch Ministry of Foreign Affairs sub-award from GAIN Award to Johns Hopkins: \$236,000* PI: Jessica Fanzo	2021
“Changing Access to Nutritious Diets in Africa and South Asia” Bill & Melinda Gates Foundation Award to Tufts: \$239,837 PI: William Masters	2018 – 2020
Gerald J. Friedman Fellowships in Nutrition and Citizenship	2016 – 2020
Tufts University Provost Fellow Award	2016 – 2018
Bill & Melinda Gates Foundation High Impact Bonus	2015 & 2016

JOURNAL ARTICLES

Schneider, K. (2024). “[Health–environment interactions across food systems.](#)” *Nature Food*, 5(1), 96-97. doi:10.1038/s43016-024-00928-9.

Schneider, K., Fanzo, J., Haddad, L., et al. (2023). “[The state of food systems worldwide in the countdown to 2030.](#)” *Nature Food*, 4(12), 1090-1110. doi: 10.1038/s43016-023-00885-9.

Schneider, K., Webb, P., Christiaensen, L., & Masters, W. (2023) “[Assessing the affordability of nutrient-adequate diets.](#)” *American Journal of Agricultural Economics*, 105(2), 503-524. doi:10.1111/ajae.12334. ([Preprint](#); [World Bank Policy Research Working Paper](#))

- Ambikapathi, R., **Schneider, K.**, Davis, B., Herrero, M., Winters, P., Fanzo, J. (2022) “[Global food system transitions and patterns in the last decades: what have we learned so far? A Country Level Perspective.](#)” *Nature Food*, 3(9), 764–779. <https://doi.org/10.1038/s43016-022-00588-7>.
- Schneider, K.** (2022) “[Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi.](#)” *Food Policy*, 113, 102275. doi:10.1016/j.foodpol.2022.102275
- Fanzo, J., Haddad, L., **Schneider, K.**, et al. (2021). [Viewpoint: Rigorous monitoring is necessary to meet the food system transformation challenge in the countdown to 2030 global goals.](#) *Food Policy*, 104, 102163. doi:10.1016/j.foodpol.2021.102163
- Schneider, K.**, Fanzo, J., Haddad, L., Rosero Moncayo, J. (2021). [Global health has a stake in the upcoming UN Food Systems Summit.](#) *Lancet*, 398(10305), 1027-1029. doi:10.1016/S0140-6736(21)02047-X.
- Schneider, K.**, Webb, P., Christiaensen, L., & Masters, W. (2021) [Assessing diet quality when families share their meals: Evidence from Malawi.](#) *Journal of Nutrition*, 151(12), 3820-3830. doi:10.1093/jn/nxab287.
- Schneider, K.**, Oslund, J., & Liu, T. (2021). [The impact of the Community Eligibility Provision on School Meal Participation in Texas.](#) *Public Health Nutrition*, 24(18), 6534–6542. doi:10.1017/S1368980021003712.
- Schneider, K.** & Herforth, A. (2020). [Software tools for practical application of human nutrient requirements in food-based social science research.](#) *Gates Open Research*, 4(179).
- Seymour, G., Masuda, Y., Williams, J., **Schneider, K.** (2019). [Household and child nutrition outcomes among the time and income poor in Bangladesh.](#) *Global Food Security*, 20, 82-92. doi:1016/j.gfs.2019.01.004
- Schneider, K.**, & Masters, W. A. (2019). [Orange Fanta versus orange fruit: A novel measure of nutrition knowledge in Malawi.](#) *Maternal & Child Nutrition*, 15, e12656. doi:10.1111/mcn.12656

BOOK CHAPTERS

- Fanzo, J., **Schneider, K.**, Wood, S. (2023). “Health Impacts Due to Food and Nutrition Insecurity.” Levy, B. & Patz, J., (Eds). [Climate Change & Public Health, 2nd Edition.](#) Oxford: Oxford University Press.
- Cliffer, I., Marshak, A., **Schneider, K.**, Venkat, A., Naimova, E. (2023). “[Seasonality of nutrition.](#)” Cheskin, L., Franco, M., & Hoffman, D. (Eds.). [Encyclopedia of Human Nutrition, 4th Edition.](#) Cambridge, MA: Academic Press.
- Pingali, P., **Schneider, K.**, Zurek, M. (2014). “[Poverty, agriculture and the environment: the case of sub-Saharan Africa.](#)” Von Braun, J. & Gatzweiler, F. (Eds.). [Marginality: Addressing the Nexus of Poverty, Exclusion and Ecology.](#) New York: Springer.

POLICY BRIEFS AND WORKING PAPERS

- Nordhagen, S., Beal, T., & **Schneider, K.** (2023). “[The Food Systems Countdown Report 2023: The state of food systems worldwide.](#)” Food Systems Countdown Initiative. Geneva, Rome, and New York: Global Alliance for Improved Nutrition, Food and Agriculture Organization of the United Nations, Columbia University, and Cornell University.

Schneider, K., Bellows, A., Downs, Bell, W., Ambikapathi, R., Masters, W., Nordhagen, S., Nugent, R., Branca, F., Fanzo, J. (2023) "[Inequities and access to healthy diets: A landscaping review and ways forward.](#)" GAIN Discussion Paper No. 12. Geneva: Global Alliance for Improved Nutrition. doi:10.36072/dp.12.

Schneider, K., Gugerty, M.K. (2011). [Agricultural Productivity and Poverty Reduction: Linkages and Pathways.](#) *The Evans School Review* 1(1). Seattle, WA: University of Washington.

INVITED PRESENTATIONS & POSTERS

"Data and evidence on economic access to healthy diets." (Selected panel: "The Economics of Hunger: Addressing the Interplay Between Poverty, Equity, Hunger and Diets."). Food & Nutrition Conference & Expo (FCNE). Minneapolis, MN. October 2024.

"The state of food systems worldwide" (Selected presentation). International Conference of Agricultural Economics (ICAE). New Delhi, India. August 2024.

"Estimating the output value added of the world's agri-food systems." (Selected panel: "Does Organization of Agrifood Value Chains across Developing and Developed Countries Influence Sustainable Development Outcomes? Integrated Single and Multi-Country Comparative Analysis."). International Conference of Agricultural Economics (ICAE). New Delhi, India. August 2024.

"The state of food systems worldwide" (Invited Keynote). Paths to Sustainable Food Systems Conference. Norwegian University of Life Sciences NMBU. Oslo, Norway. April 2024.

"Whose diet quality is most at risk when food prices rise?" (Selected paper). Association for Public Policy and Management (APPAM) Fall Conference. Atlanta, GA. November 2023.

"Estimating global and country-level employment in agrifood systems" (Plenary presentation). 9th International Conference on Agricultural Statistics. Washington, DC. May 2023.

"Science-based Monitoring to Transform Global Food Systems". Tata-Cornell Institute 10th Anniversary Conference. Ithaca, NY. May 2023.

"Labor in Agri-food Systems" (Track Session). Agricultural & Applied Economics Association Annual Meeting. Anaheim, CA. July 2022.

"Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi". International Food Policy Research Institute, Malawi. Virtual Brown Bag. December 2021.

"Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi" (Selected Presentation). International Conference of Agricultural Economics. Virtual. August 2021.

"Nationally representative estimates of the cost of adequate diets, nutrient level drivers, and policy options for households in rural Malawi" (Selected Presentation). Agricultural & Applied Economics Association Annual Meeting. Austin, TX. July 2021.

"Impact of the Community Eligibility Provision Program on School Meal Participation in Texas" (Poster). Agricultural & Applied Economics Association Annual Meeting. Austin, TX. July 2021.

"Food Policy Metrics for Access to Affordable Healthy Diets" (Selected Poster). Association for Public Policy Analysis & Management Annual Meeting. Virtual. November 2020.

- “Impact of the Community Eligibility Program on School Meal Participation in Texas.” (Selected Presentation, with J. Oslund). Association for Public Policy Analysis & Management Annual Meeting. Virtual. November 2020.
- “Use of the Malawi Food Composition Database (MAFOODS): The adequacy of current consumption and the affordability of nutrient adequate diets”. Nutrition Innovation Lab Webinar. Virtual. November 2020.
- “Access to nutrient-dense foods in Malawi”. 2020 Micronutrient Forum. Virtual. November 2020.
- “Sources, intake levels, and shadow prices of essential nutrients in rural Malawi: Evidence from household surveys and market prices reveal the cost of vitamins and minerals” (Selected Paper). Agricultural & Applied Economics Association Annual Meeting. Virtual. August 2020.
- “Household diet quality and the cost of nutritious diets in Malawi” (Oral presentation). Agriculture for Nutrition and Health Academy Week. Virtual. July 2020.
- “Advancing the use of household surveys for nutrition: Nutrient adequacy at the household level and the cost of nutritious diets in Malawi” (Organized symposium presentation). Agricultural & Applied Economics Association Annual Meeting. Atlanta, GA. July 2019.
- “Orange Fanta vs orange fruit: A novel measure of nutrition knowledge and women’s diet quality in Malawi” (Oral presentation). Triannual International Conference of Agricultural Economics (ICAE). Vancouver, BC, Canada. August 2018.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Agricultural & Applied Economics Association (AAEA), since 2016
 Agriculture for Nutrition and Health Academy (ANH Academy), since 2016
 International Agricultural Economics Association (IAEA), since 2018
 Association for Public Policy Analysis & Management (APPAM), since 2020

SERVICE

Co-lead, Development, Climate, & Sustainability Focus Area, with John Banks	2023 –
Mentoring Award Committee, Agricultural & Applied Economics Association (AAEA)	2023 –
Global Agriculture Seminar Series Co-Lead with Shoumitro Chatterjee	2022 –
Professional development Committee, Committee on Women in Agricultural Economics (CWAE), Agricultural & Applied Economics Association (AAEA)	2022 –
Member, Private and Public, Scientific, Academic, and Consumer Food Policy Group (PAPSAC), Harvard Business School and Harvard Kennedy School	2022 –
Faculty search committee, Tufts University	May 2022 –
Survey Committee, Committee on Women in Agricultural Economics (CWAE), Agricultural & Applied Economics Association (AAEA)	2021 – 2022
Substitute instructor, Practical Research Methods for International Development, Johns Hopkins University, School of Advanced International Studies (SAIS)	Nov – Dec 2021
Curriculum & Degrees Subcommittee on Anti-Racist Curricula, Tufts University	2020 – 2021
Awards Committee, Committee on Women in Agricultural Economics (CWAE), Agricultural & Applied Economics Association (AAEA)	2020 – 2021
Career Services Hiring Committee, Tufts University	2020
Friedman School Representative, Academic Affairs Committee Board of Trustees, Tufts University	2019 – 2020
Submissions reviewer, Agricultural & Applied Economics Association Annual Meeting	2019
Food pantry volunteer, Rosie’s Place, Boston, MA	2017 – 2020
Advisory Council Member, Agricultural Technology Adoption Initiative (ATAI)	2015 – 2016

University of California, Berkeley & Massachusetts Institute of Technology
 Volunteer English Teacher in La Violeta, Costa Rica
 WorldTeach, Harvard University Center for International Development

2008

Reviewer for multiple journals across disciplines:

Applied economics: *Food Policy*, *American Journal of Agricultural Economics (AJAE)*, *Journal of the Agricultural and Applied Economics Association (JAAEA)*, *China Economic Review*, *Journal of African Economies*.

Agriculture & food systems: *Nature Food*, *Global Food Security*, *Food Security*, *Agrigender Journal*, *Agriculture*.

Nutrition: *Journal of Nutrition*, *Public Health Nutrition*, *American Journal of Clinical Nutrition*, *Maternal & Child Nutrition*, *Current Developments in Nutrition*, *Food and Nutrition Bulletin*.

General science: *Nature Sustainability*, *PLOS One*, *One Earth*.

SKILLS

Software: R, Stata, Microsoft Office, Zotero, Git, Open Data Kit (ODK)

Management: Grant proposal writing, project and program design and management, substantial knowledge of donor landscape and priorities, communication and leadership, organization, problem-solving, work collaboratively and independently, public speaking

Mentorship: Oversight and guidance of independent student work, managing student research assistants on faculty-led projects

Languages: Fluent Spanish, intermediate American Sign Language, basic French