

AYALA WINEMAN

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CORE COMPETENCIES

- Applied microeconomics research in international agricultural development (5+ years of experience)
- Impact evaluation using experimental and quasi-experimental techniques (randomized control trials, difference-in-differences, instrumental variables, propensity score matching)
- Policy analysis
- Report writing for academic and nonacademic audiences
- Instructor of benefit-cost analysis
- Data management and analysis
- Survey design and fieldwork (both quantitative and qualitative) in international settings

EDUCATION

Michigan State University, East Lansing, MI

Ph.D. Agricultural, Food, and Resource Economics 2015

Major Field: Development Economics

Dissertation: “Essays on land access in Kagera, Tanzania: Markets, migration, and bequests”

M.Sc. Agricultural, Food, and Resource Economics 2013

Thesis: “The multidimensional nature of household food insecurity in rural Zambia: A panel analysis”

Middlebury College, Middlebury, VT 2004

B.A. Environmental Studies

PROFESSIONAL EXPERIENCE

Assistant Professor (fixed-term) 2/2023 – Present

Dept. of Agricultural, Food, and Resource Economics, Michigan State University

- Conduct research related to agricultural and food systems transformation in sub-Saharan Africa.
- Provide supervision and mentorship to early-career scholars.

Research Associate 5/2021 – 2/2023

Dept. of Agricultural, Food, and Resource Economics, Michigan State University

- Conduct research related to agricultural and food systems transformation in sub-Saharan Africa.
- Provide supervision and mentorship to early-career scholars.

Research Coordinator 4/2018 – Present

Global Child Nutrition Foundation

- Assist with implementation of the Global Survey of School Meal Programs (2019 and 2021), as well as data management, analysis, and report writing for a nonacademic audience.
- Conduct research with early-career scholars on various topics related to school meal programs.

Consultant 4/2018 – Present

World Bank

- Data analysis and report writing on human capital and rural poverty in West Africa for the Poverty and Equity Global Practice.
- Quantitative research on agricultural transformation in Tanzania for the Africa Agricultural Policy Unit.
- Qualitative research on fertilizer adoption among rice farmers in Liberia for the Gender Innovation Lab.

Consultant 1/2021 – 5/2021

Dept. of Agricultural, Food, and Resource Economics, Michigan State University

- Conducted research related to agricultural and food systems transformation in sub-Saharan Africa.
- Provided supervision and mentorship to researchers at the MwAPATA Institute.

Research Associate

9/2017 – 12/2020

Daniel J. Evans School of Public Policy and Governance, University of Washington

- Led several team-based research projects related to measurement of poverty and agricultural development indicators in sub-Saharan Africa, resulting in peer-reviewed publications.
- Responded to short turnaround requests for data analysis from the Bill and Melinda Gates Foundation.
- Instructor of graduate-level course in Applied Benefit-Cost Analysis (2018, 2019, and 2020).

Assistant Professor (fixed-term)

1/2016 – 8/2017

Dept. of Agricultural, Food, and Resource Economics, Michigan State University

- Conducted research related to poverty and land access in rural Tanzania using panel data analysis and assisted with survey design and data collection in a study of sustainable agricultural intensification.

Graduate Research Assistant

9/2010 – 12/2015

Dept. of Agricultural, Food, and Resource Economics, Michigan State University

- Conducted data management and analysis for a study of the impacts of climate change on crop choice in Zambia using mathematical programming techniques; for an impact evaluation of fertilizer subsidies in Kenya using quasi-experimental techniques; and for a randomized control trial of community-based legal assistance in Tanzania.

SKILLS

Proficient in Stata, Tableau, Qualtrics, and Microsoft Office

PEER-REVIEWED PUBLICATIONS

Wineman, A., M. C. Ekwueme, L. Bigayimpunzi, A. Martin-Daihirou, E. L. D. G. V N Rodrigues, P. Etuge, Y. Warner, H. Kessler, and A. Mitchell. 2022. School meal programs in Africa: Regional results from the 2019 Global Survey of School Meal Programs. *Frontiers in Public Health*. 10:871866. DOI: 10.3389/fpubh.2022.871866.

Wineman, A., L. Chilora, and T. S. Jayne. 2022. Trends in tobacco production and prices in Malawi. *Nicotine and Tobacco Research*, 24 (2): 227–232.

Jayne, T.S., A. Wineman, J. Chamberlin, M. Muyanga, F.K. Yeboah. 2022. Changing farm size distributions and agricultural transformation in sub-Saharan Africa. *Annual Review of Resource Economics*, 14. DOI: 10.1146/annurev-resource-111220-025657.

Wineman, A., T. S. Jayne, E. Isinika Modamba, and H. Kray. 2021. Characteristics and spillover effects of medium-scale farms in Tanzania. *European Journal of Development Research*, 33: 1877–1898.

Wineman, A., and T. S. Jayne. 2021. Factor market activity and the inverse farm size-productivity relationship in Tanzania. *Journal of Development Studies*, 57 (3): 443–464.

Liverpool-Tasie, L. S., A. Wineman, S. Young, J. Tambo, C. Vargas, T. Reardon, G. S. Adjognon, J. Porcielo, N. Gathoni, L. Bizikova, A. Galie, and A. C. Celestin. 2020. A scoping review of market links between value chain actors and small-scale producers in developing regions. *Nature Sustainability*, 3: 799–808.

Wineman, A., D. Alia, and C. L. Anderson. 2020. Definitions of "rural" and "urban" and understandings of economic transformation: Evidence from Tanzania. *Journal of Rural Studies*, 79: 254–268.

- Mason, N., A. Wineman, and S. T. Tembo. 2020. Reducing poverty by ‘ignoring the experts’? Evidence on input subsidies in Zambia. *Food Security*, 12: 1157–1172.
- Wineman, A., T. S. Jayne, E. Isinika Modamba, and H. Kray. 2020. The changing face of agriculture in Tanzania: Indicators of transformation. *Development Policy Review*, 38 (6): 685–709.
- Wineman, A., T. Njagi, C. L. Anderson, T. Reynolds, D. Alia, P. Wainaina, E. Njue, P. Biscaye, and M. Ayieko. 2020. A case of mistaken identity? Measuring rates of improved seed adoption in Tanzania using DNA fingerprinting. *Journal of Agricultural Economics*, 71 (3): 719–741.
- Jayne, T. S., M. Muyanga, A. Wineman, H. Ghebru, C. Stevens, M. Stickler, A. Chapoto, W. Anseeuw, D. Vanderwesthuisen, and D. Nyange. 2019. Are medium-scale farms driving agricultural transformation in sub-Saharan Africa? *Agricultural Economics*, 50 (S1): 75–95.
- Wineman, A., C. L. Anderson, T. Reynolds, and P. Biscaye. 2019. Methods of crop yield measurement on multi-cropped plots: Examples from Tanzania. *Food Security*, 11 (6): 1257–1273.
- Wineman, A., and L. S. Liverpool-Tasie. 2019. All in the family: Bequest motives in rural Tanzania. *Economic Development and Cultural Change*, 67 (4): 799–831.
- Wineman, A. 2019. Women's welfare and livelihoods outside of marriage: Evidence from rural Tanzania. *Review of Economics of the Household*, 17 (3): 993–1024.
- Wineman, A., and T. S. Jayne. 2018. Land prices heading skyward? An analysis of farmland values across Tanzania. *Applied Economics Perspectives and Policy*, 40 (2): 187–214.
- Wineman, A., and L. S. Liverpool-Tasie. 2018. Land markets and migration trends in Tanzania: A qualitative-quantitative analysis. *Development Policy Review*, 36 (S2): O831–O856.
- Peterman, A., V. Mueller, L. Billings, and A. Wineman. 2018. Impacts of community-based legal aid on intimate partner violence and gender dynamics: A randomized control trial in northwestern Tanzania. *Feminist Economics*, 25 (2): 116–145.
- Wineman, A., and L. S. Liverpool-Tasie. 2017. Land markets and the distribution of land in northwestern Tanzania. *Land Use Policy*, 69: 550–563.
- Wineman, A., and L. S. Liverpool-Tasie. 2017. Land markets and land access among female-headed households in northwestern Tanzania. *World Development*, 100: 108–122.
- Wineman, A., N. Mason, J. Ochieng, and L. Kirimi. 2017. Weather extremes and household welfare in rural Kenya. *Food Security*, 9 (2): 281–300.
- Wineman, A., and E. W. Crawford. 2017. Climate change and crop choice in Zambia: A mathematical programming approach. *NJAS - Wageningen Journal of Life Sciences*, 81: 19–31.
- Mueller, V., L. Billings, T. Mogue, A. Peterman, and A. Wineman. 2017. Filling the legal void? Impacts of a community-based legal aid program on women. *Oxford Development Studies*, 46 (4): 453–469.
- Mulenga, B., A. Wineman, and N. Sitko. 2016. Climate trends and farmers’ perceptions of climate change in Zambia. *Environmental Management*, 59 (2): 291–306.
- Mason, N., A. Wineman, L. Kirimi, and D. Mather. 2016. The effects of Kenya’s ‘smarter’ input subsidy program on smallholder behavior and economic well-being: Do different quasi-experimental approaches lead to the same conclusions? *Journal of Agricultural Economics*, 68 (1): 45–69.

Wineman, A. 2016. Multidimensional household food security measurement in rural Zambia. *Agrekon*, 55 (3): 278–301.

Jayne, T. S., J. Chamberlin, L. Traub, N. Sitko, M. Muyanga, F. K. Yeboah, W. Anseeuw, A. Chapoto, A. Wineman, and C. Nkonde. 2016. Africa's changing farmland ownership: The rise of medium-scale farms. *Agricultural Economics*, 47S: 197–214.

Yosef, R. and A. Wineman. 2010. Differential stopover of blackcap (*Sylvia atricapilla*) by sex and age at Eilat, Israel. *Journal of Arid Environments*, 74 (3): 360–367.

PAPERS UNDER REVIEW / IN PROGRESS

Ferrero, E. M., A. Wineman, and A. Mitchell. Changes in school feeding operations during the COVID-19 pandemic: Evidence from 139 countries. *Under review*.

Chilora, L. K., M. Munthali, A. Wineman, and M. K. Khonje. Effects of fish species choice on dietary diversity and household income among fish farmers in Malawi. MwAPATA Institute: Lilongwe. *Under review*.

Munthali, M., L. Chilora, A. Wineman, B. Nankwenya, L. Chiwaula, and M. Muyanga. Productivity and profitability of small-scale fish farms in Malawi. MwAPATA Institute: Lilongwe. *Under review*.

Wineman, A. Agricultural transition processes and sustainability: A review with a focus on low-income settings. Invited paper for a special issue of *Global Environmental Change*.

Martinez, M., N. Jacquet, E. L. Rodrigues, A. Wineman, and A. Mitchell. School milk programs in Latin America and the Caribbean. Report prepared for the U. S. Dairy Export Council. Global Child Nutrition Foundation: Seattle. *In progress*.

Wineman, A., D. R. de Waal, and E. Isinika Modamba. Changing patterns of irrigation in Tanzania: Analysis of the National Sample Census of Agriculture 2008 and 2020. *In progress*.

OTHER PUBLICATIONS

Wineman, A., and L. S. O. Liverpool-Tasie. 2022. Stakeholder perceptions of the fish and vegetable value chains in Nigeria. Report prepared for the Research Supporting African MSMEs to Provide Safe and Nutritious Food (RSM2SNF) project. Michigan State University: East Lansing.

Therriault, V., L. Kirimi, A. Wineman, E. Kinyumu, and D. Tschirley. 2022. Assessment of the policy enabling environment for large-scale food fortification with an application to Kenya. Research Paper No. 13. Feed the Future Innovation Lab for Food Security Policy, Research, Capacity, and Influence (PRCI). Michigan State University: East Lansing.

Global Child Nutrition Foundation (GCNF). 2022. *School Meal Programs Around the World: Results from the 2021 Global Survey of School Meal Programs*. GCNF: Seattle. (Primary author)

Wineman, A., T. S. Jayne, and C. Stevens. 2022. The Relationship Between Medium-Scale Farms and Deforestation in Sub-Saharan Africa. Concept Note prepared for the United States Agency for International Development (USAID).

Munthali, M. G., L. Chilora, Z. Nyirenda, D. Salonga, A. Wineman, and M. Muyanga. 2022. Challenges and Opportunities for Small-Scale Aquaculture Development in Malawi. (Report). MwAPATA Institute.

Agyei-Holmes, A., A. Wineman, J. Olwande, E. Mwakiwa, O. T. C. Vilanculos, A. Faye, I. Ogunbayo, T.

Kapuya, and T. S. Jayne. 2021. Impacts of the Covid-19 pandemic and associated policy responses on food systems in sub-Saharan Africa: A synthesis of evidence. ReNAPRI Working Paper.

Global Child Nutrition Foundation (GCNF). 2021. *School Meal Programs Around the World: Report Based on the 2019 Global Survey of School Meal Programs*. GCNF: Seattle. (Primary author)

Global Child Nutrition Foundation (GCNF). 2021. *State Survey of School Meal Programs: India 2020*. GCNF: Seattle. (Contributor)

Wineman, A., and T. S. Jayne. 2017. Intra-rural migration and pathways to greater well-being: Evidence from Tanzania. Research Paper. No. 60. Feed the Future Innovation Lab for Food Security Policy. Michigan State University: East Lansing.

GRANTS

Co-P.I. on “Research Supporting African MSMEs to Provide Safe and Nutritious Food” (RSM2SNF), funded by the Bill and Melinda Gates Foundation, 2021–2026 (\$4 million total)

RECENT PRESENTATIONS

Wineman, A., and A. Mitchell. 2023. School meal programs around the world: Results from the 2021 Global Survey of School Meal Programs (Seminar). Harvard T.H. Chan School of Public Health, February 6.

Wineman, A. 2022. Insights from the second global survey of school meals. Podcast episode No. 190. World Food Policy Center, Duke University, December 13.

Wineman, A., and A. Mitchell. 2022. School meal programs around the world: Results from the 2021 Global Survey of School Meal Programs (Seminar). Institute for Global Nutrition, University of California at Davis, October 19.

Wineman, A., T. S. Jayne, and C. Stevens. 2022. Relationship Between Medium-Scale Farms and Deforestation in Sub-Saharan Africa: A Research Agenda. Sustainability and Development Conference, University of Michigan, January 24.

Wineman, A., M. C. Ekwueme, L. Bigayimpunzi, A. Martin-Daihirou, E. L. D. G. V N Rodrigues, P. Etuge, Y. Warner, H. Kessler, and A. Mitchell. 2021. School meal programs in Africa: Regional results from the 2019 Global Survey of School Meal Programs. Africa Food Environment Research Network (FERN) Meeting, November 9.

Wineman, A., and N. Akseer. 2021. How can we measure nutrition-sensitive social protection? Unpacking data, challenges, and opportunities to improve nutrition through school feeding programs. Data For Nutrition webinar, July 27.

ACADEMIC SERVICE

Referee: *Agricultural Economics; American Journal of Agricultural Economics; Applied Economics Perspectives and Policy; Australian Journal of Agricultural and Resource Economics; European Journal of Development Research; Food Policy; Food Security; Frontiers in Sustainable Food Systems; Global Food Security; Journal of Development Studies; Land Use Policy; Proceedings of the National Academy of Sciences; Review of Economics of the Household; World Development; National Science Foundation grant proposals*

Member of the School Meals Coalition Data and Monitoring Initiative – Indicators Working Group