

# AYALA WINEMAN

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## CORE COMPETENCIES

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- 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

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**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

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**Research Associate** 1/2021 – 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 researchers at the MwAPATA Institute.

**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.

**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).

**Consultant** 6/2014 and 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.

**Assistant Professor, International Development (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**

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Proficient in Stata, Tableau, and Microsoft Office

### **SELECT PUBLICATIONS**

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Wineman, A., L. Chilora, and T. S. Jayne. 2021. Trends in tobacco production and prices in Malawi. Forthcoming in *Nicotine and Tobacco Research*. DOI: 10.1093/ntr/ntab197.

Jayne, T.S., A. Wineman, J. Chamberlin, M. Muyanga, F.K. Yeboah. Changing farm size distributions and agricultural transformation in sub-Saharan Africa. 2021. *Annual Review of Resource Economics*, 14: Submitted. DOI: 10.1146/annurev-resource-111220-025657.

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.

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.

Wineman, A., T. S. Jayne, E. Isinika Modamba, and H. Kray. 2020. Characteristics and spillover effects of medium-scale farms in Tanzania. Forthcoming in the *European Journal of Development Research*, DOI: 10.1057/s41287-020-00323-7.

Liverpool-Tasie, L. S., A. Wineman, S. Young, J. Tambo, C. Vargas, T. Reardon, G. S. Adjogon, 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.
- 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.
- 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.

## **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*; *Journal of Development Studies*; *Land Use Policy*; *Review of Economics of the Household*; *World Development*; *National Science Foundation grant proposals*