

PhD Candidate, UC Berkeley Agricultural and Resource Economics  
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## EDUCATION

**University of California at Berkeley**, Expected May 2024

PhD, Agricultural and Resource Economics

Dissertation: “Natural Disasters and Livelihoods: Evidence from Pests, Disease, and Floods in African Countries”

Dissertation Chair: Dr Ethan Ligon

**University of Washington**, June 2014

Master of Public Administration (MPA)

**Whitworth University**, May 2011

BA, International Studies

## RESEARCH INTERESTS

Development Economics, Labor Economics, Environmental & Resource Economics, Psychology in Economics

## REFERENCES

Dr Ethan Ligon, Professor, UC Berkeley Agricultural & Resource Economics

Email: ligon@berkeley.edu

Phone: (510)-859-3266

Dr Edward Miguel, Professor, UC Berkeley Economics

Email: emiguel@berkeley.edu

Phone: (510)-642-7162

Dr Maximilian Auffhammer, Professor, UC Berkeley Agricultural & Resource Economics

Email: auffhammer@berkeley.edu

Phone: (510)-643-5472

Dr Catherine Wolfram, Professor, MIT Sloan School of Management

Email: cwolfram@mit.edu

Phone: (510)-761-5943

## PUBLICATIONS

Exploring the gender gap in mobile money adoption: Evidence from eight low- and middle-income countries (with T.W. Reynolds, C.L. Anderson, C. O’Brien-Carelli, & J. Keel). *Information Technology for Development*. (2023).

Disbursing emergency relief through utilities: Evidence from Ghana (with S. Berkouwer, S. Puller, & C.D. Wolfram). *Journal of Development Economics* Vol 156 (2022).

Economic benefits of empowering women in agriculture: Assumptions and evidence (with C.L. Anderson, T.W. Reynolds, V. Patwardhan, & C. Schmidt). *Journal of Development Studies* Vol. 57(2): 193-208 (2020).

A case of mistaken identity? Measuring rates of improved seed adoption in Tanzania using DNA fingerprinting (with A. Wineman, T. Njagi, C.L. Anderson, T.W. Reynolds, D.Y. Alia, P. Wainaina, E. Njue, & M.W. Ayieko). *Journal of Agricultural Economics*, Vol. 71(3): 719-741 (2020).

Methods of crop yield measurement on multi-cropped plots: Examples from Tanzania (with A. Wineman, C.L. Anderson, & T.W. Reynolds). *Food Security* 11, 1257-1273 (2019).

Delivering development? Evidence on Self-Help Groups as Development intermediaries in South Asia and Africa (with M.K. Gugerty & C.L. Anderson). *Development Policy Review*, Vol. 37(1): 129-151 (2018).

Relating seasonal hunger and coping and prevention strategies: A panel analysis of Malawian farm households (with C.L. Anderson, T.W. Reynolds, & J. Merfeld). *Journal of Development Studies*, Vol. 54(10): p. 1737-1755 (2017).

Gender-associated differences in cross-domain risk perception among smallholder farmers in Mali: Implications for development (with A. Cullen, C.L. Anderson, & T.W. Reynolds). *Risk Analysis*, Vol. 38(7): p. 1361-1377 (2017).

Do changes in farmers’ seed traits align with climate change? A case study of maize in Chiapas, Mexico (with C.L. Anderson & A. Cronholm). *Handbook of Behavioural Economics and Smart Decision-Making: Rational Decision-Making within the Bounds of Reason* (Morris Altman, ed.), p. 251-274 (2017).

Relative effectiveness of bilateral and multilateral aid on development outcomes (with T.W. Reynolds & C.L. Anderson). *Review of Development Economics*, Vol 21(4): p. 1425–1447 (2017).

## WORKING PAPERS

- “Balancing work and childcare: Evidence from COVID-19 school closures and reopenings in Kenya” (with D. Egger & U.J. Pape). Submitted.
- “Money or power? Choosing Covid-19 aid in Kenya” (with S. Berkouwer, E. Hsu, O.W. Kim, K. Lee, E. Miguel, & C.D. Wolfram). Submitted.

## RESEARCH IN PROGRESS

- “Agricultural shocks and conflict in the short- and long-term: Evidence from desert locust swarms”
- “Flooding the mind: Flood shocks, aspirations, and labor supply in Nigeria” (with A. Isah and E. Stacy)
- “Forcing reallocation? Floods and long-term structural transformation in Nigeria” (with A. Isah and E. Stacy)
- “The economics of voltage” (with S. Berkouwer, M. Mikdash, S. Puller, & C.D. Wolfram)
- “Crop shocks: Farmer responses to past pest and diseases losses in Malawi”

## CONFERENCE PRESENTATIONS

- 2023 Midwest International Economic Development Conference (MWIEDC); Pacific Conference for Development Economics (PacDev); Agricultural & Applied Economics Association (AAEA) Annual Meeting
- 2022 Empirical Studies of Conflict (ESOC) Conference; Centre for the Study of African Economies (CSAE) Conference; Pacific Conference for Development Economics (PacDev)
- 2021 All-California Labor Economics Conference (ACLEC); Giannini Agricultural & Resource Economics Student Conference (GARESC); Pacific Conference for Development Economics (PacDev)
- 2017 Data for Policy Annual Conference; International Consortium on Applied Bioeconomy Research (ICABR) Annual Conference
- 2016 Association for Public Policy Analysis & Management (APPAM) International Conference
- 2012 Mobile Education Symposium

## OTHER PRESENTATIONS

- 2023 UC Berkeley Development Lunch Seminar; Princeton University Climate Change & Conflict Invited Presentation
- 2022 UC Berkeley Development Lunch Seminar
- 2021 IPA Kenya Women’s Work, Entrepreneurship, and Skilling Evidence and Policy Roundtable; UC Berkeley Environmental Economics Seminar; UC Berkeley Development Lunch Seminar; Busara Center for Behavioral Economics Lunch and Learn Seminar
- 2020 UC Berkeley Development Lunch Seminar
- 2017 The World Bank Agricultural Microdata Technical Convening; Bill & Melinda Gates Foundation Financial Services for the Poor Acceleration Week Digital Credit Learning Session
- 2016 Myanmar Ministry of Labour, Immigration, and Population National Identity Programs Workshop; International Telecommunications Union Focus Group on Digital Financial Services and Financial Inclusion (ITU FG-DFS) Quarterly Convening
- 2015 International Telecommunications Union Focus Group on Digital Financial Services and Financial Inclusion (ITU FG-DFS) Quarterly Convening
- 2015 Evans School Research Symposium

## TEACHING POSITIONS

- |   |             |
|---|-------------|
| Introductory Applied Econometrics, Lead Instructor                                | Fall 2022   |
| UC Berkeley Agricultural & Resource Economics                                     |             |
| Introductory Applied Econometrics, Student Instructor (Jeremy Magruder)           | Fall 2021   |
| UC Berkeley Agricultural & Resource Economics                                     |             |
| Environmental Economics, Student Instructor (David Roland-Host)                   | Spring 2019 |
| UC Berkeley Agricultural & Resource Economics                                     |             |
| Agricultural and Environmental Policy, Student Instructor (David Zilberman)       | Fall 2018   |
| UC Berkeley Agricultural & Resource Economics                                     |             |
| Economics for Policy Analysis and Management I, Student Instructor (Brian Dillon) | Fall 2013   |
| University of Washington Evans School of Public Policy & Governance               |             |

## RESEARCH POSITIONS

Graduate Student Researcher, University of California at Berkeley <i>The Economics of Electricity Grid Reliability</i> , Catherine Wolfram	2019-2023
Research & Strategic Initiatives Manager, University of Washington <i>Evans School Policy Analysis &amp; Research Group (EPAR)</i> , C. Leigh Anderson	2014-2018
Research Coordinator, University of Washington <i>Enhancing Women's Agricultural Value Project</i> , C. Leigh Anderson and Mary Kay Gugerty	2014-2016
Research Assistant, University of Washington <i>Evans School Minimum Wage Study</i> , Marieka Klawitter and Mark Long	2014

## SELECTED PRIOR EMPLOYMENT

Program Officer, World Vision International, Federal Way, WA <i>Field work in Burundi, Kenya, and Malawi</i>	2011-2013
Program Management Associate, Africare, Ouagadougou, Burkina Faso	2009-2010

## GRANTS

2023	Angela Little Foundation Travel Grant, \$1,500
2023	CEGA Research Grant, \$10,000
2023	IRLE Research Grant, \$6,000
2023	UC Berkeley Graduate Division Travel Grant, \$1,800
2022	STEG Research Grant \$33,000
2022	SurveyCTO Research Grant, \$2,000
2021	Innovations for Poverty Action WWES Initiative Research Grant, \$12,000
2020	UC Berkeley Department of Economics Research Grant, \$4,000
2020	UC Berkeley College of Natural Resources Center for Educational Equity and Excellence Research Grant, \$3,100

## FELLOWSHIPS AND AWARDS

2023	UC Berkeley Center for African Studies Rocca Dissertation Fellowship, \$10,000
2023	Pacific Conference for Development Economics Best Poster Award
2022	UC Berkeley 2022 Outstanding Graduate Student Instructor Award
2014	University of Washington Shelton Fellowship
2014	University of Washington Pi Alpha Alpha Academic Excellence Award
2011	Whitworth University President's Cup
2011	Whitworth University Mind and Heart Scholar

## PROFESSIONAL ACTIVITIES

Reviewer: Journal of Development Economics, Food Security, Journal of Development Studies, Agricultural and Resource Economics Review, Empirical Economics
Memberships: American Economic Association, Agricultural & Applied Economics Association, Western Economic Association International

**LANGUAGES:** English (Native), French (Fluent), Spanish (Intermediate)

**IN-COUNTRY EXPERIENCE:** Burkina Faso, Burundi, Ghana, Kenya, Malawi, Tanzania

**ANALYTICAL TOOLS:** STATA, R, Python, Excel, SurveyCTO/Open Data Kit