

# Pierre E. Biscaye

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PhD Candidate, UC Berkeley Agricultural and Resource Economics  
pbiscaye@berkeley.edu | 303-669-0936 | www.pierrebiscaye.com

09/06/2023

## 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, Environmental & Resource Economics, Labor Economics, Women’s Empowerment, 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

## 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**

- “Agricultural shocks and conflict in the short- and long-term: Evidence from desert locust swarms” (Job Market Paper)
- “Balancing work and childcare: Evidence from COVID-19 school closures and reopenings in Kenya” (with D. Egger & U.J. Pape). Revision Requested at Journal of Human Resources.
- “Money or power? Choosing Covid-19 aid in Kenya” (with S. Berkouwer, E. Hsu, O.W. Kim, K. Lee, E. Miguel, & C.D. Wolfram). Revision Requested at Energy Economics.

## **RESEARCH IN PROGRESS**

- “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)
- “Voltage quality and economic activity” (with S. Berkouwer, M. Mikdash, S. Puller, & C.D. Wolfram)
- “Electricity reliability and long-term economic outcomes” (with S. Berkouwer, S. Puller, & C.D. Wolfram)
- “Recency bias in 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                             | Fall 2021   |
| UC Berkeley Agricultural & Resource Economics, Jeremy Magruder                    |             |
| Environmental Economics, Student Instructor                                       | Spring 2019 |
| UC Berkeley Agricultural & Resource Economics, David Roland-Host                  |             |
| Agricultural and Environmental Policy, Student Instructor                         | Fall 2018   |
| UC Berkeley Agricultural & Resource Economics, David Zilberma                     |             |
| Economics for Policy Analysis and Management, Student Instructor                  | Fall 2013   |
| University of Washington Evans School of Public Policy & Governance, Brian Dillon |             |

### **RESEARCH POSITIONS**

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

## **SELECTED PRIOR EMPLOYMENT**

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

## **GRANTS**

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|------|---|
| 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**

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| 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