

Joshua W. Deutschmann

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Education

Ph.D. Agricultural & Applied Economics, University of Wisconsin–Madison, Expected 2021

Fields: Development, Applied Econometrics, Industrial Organization

M.A. Economics, Boston University, 2013

B.A. Economics (Honors Scholar), B.S. Mathematics (In Honors), *Magna Cum Laude*,
Virginia Polytechnic Institute & State University, 2012

Research Experience

University of Wisconsin–Madison

Student PI (Aflasafe Senegal project), 2019–2021

Research Assistant for Emilia Tjernström (Pricing complexity project), 2017–2018

Research Assistant for Laura Schechter (Urban sanitation), 2015–2016

Innovations for Poverty Action, Dakar Urban Sanitation Project

PIs: Jean–François Houde, Molly Lipscomb, and Laura Schechter, 2013–2016

Virginia Polytechnic Institute & State University

Research Assistant for Djavad Salehi–Isfahani, 2012

Peer–Reviewed Publications

“The Reform of Energy Subsidies in Iran: The Role of Cash Transfers,”

with Djavad Salehi–Isfahani and Bryce Stucki. *Emerging Markets Finance and Trade*, Vol. 51, Issue 6, 2015.

Working Papers

Can smallholder extension transform African agriculture? (*NBER Working Paper No. 26054*)

with Maya Duru, Kim Siegal, and Emilia Tjernström

Measuring willingness to pay for reliable electricity: evidence from Senegal

(*Revise & Resubmit, World Development*)

with Agnieszka Postepska and Leopold Sarr

Work in Progress

Pricing complexity and consumer behavior: evidence from a lab experiment

with Emilia Tjernström and Jeffrey Michler

Using market mechanisms to increase the take–up of improved sanitation

with Jared Gars, Shoshana Griffith, Jean-François Houde, Terence Johnson, Molly Lipscomb, Mbaye Mbeguere, Sarah Nehrling, Laura Schechter, and Siyao Jessica Zhu

Spillovers without social interactions in urban sanitation

with Molly Lipscomb, Laura Schechter, and Siyao Jessica Zhu

Measurement error, validation data, and program evaluation

with Kim Siegal and Emilia Tjernström

Technical Reports

The impact of One Acre Fund's small farm program, with Emilia Tjernström

Press Appearances

"The Poop Cartel," July 25, 2018: *Planet Money* (Episode 855); July 27, 2018: *All Things Considered* and *Goats and Soda*. NPR

Grants & Fellowships

Agricultural Technology Adoption Initiative (2019): *Credit, uncertainty, and monitoring for technology adoption: The case of Aflasafe in Senegal*, with Tanguy Bernard, Laura Schechter, and Ouambi Yameogo [\$141,000]

PEDL Capacity Building Grant (2019): *Exploring the structure of maize markets in Burkina Faso*, with Soumaila Gansonre, Louise Guillouet, and Aristide Ouedraogo [\$6,000]

CGIAR Research Program on Policies, Institutions, and Markets (2019): *Enhancing returns to technology adoption through independent certification: the case of Aflasafe in Senegal*, with Tahirou Abdoulaye, Tanguy Bernard, Konlambigue Matieyedou, Laura Schechter, and Ouambi Yameogo [\$315,000]

Kenneth and Pauline Parsons Graduate Fellowship Fund Research Travel Grant (2019)

UW-Madison Student Conference Travel Grant (2020)

UW-Madison Student Research Travel Grant (2019)

UW-Madison AAE Conference Presentation Travel Grants (2018, 2020)

UW-Madison / Mellon Foundation Area and International Studies Research Fellowship (2017)

UW-Madison University Fellowship (2015-2016; 2018-2019)

Invited Seminars

2019 IDinsight Dakar

Conference Presentations

2020 Oxford Centre for the Study of African Economies (cancelled)

2019 Midwest International Economic Development Conference; Global Poverty Research Lab Pre-Analysis Plan Mini-Conference

2018 Bay Area Behavioral and Experimental Economics Workshop; IDEAS Summer School in Development (Poster); AAEA Annual Meeting (Organized Symposium); North American ESA Conference

* planned

Workshop Participation

2019 NBER/African Development Bank: Transforming Rural Africa

2018 PEDL/NYU Abu Dhabi Workshop: The Frontiers of Research in Private Enterprise Development in Low-Income Countries; CEAR/Huebner Summer Risk Institute

Teaching Experience

TA, World Hunger & Malnutrition, UW-Madison, Spring 2020

Professional Service

Referee Service: African Journal of Agricultural and Resource Economics, Lahore Journal of Economics

Department Service: Taylor Hibbard Club President (2016–2017); Graduate Committee Student Representative (2017–2018); Organizer, AAE Development/Political Economy Lab (2017)

Honors & Awards

National Merit Scholar

National AP Scholar

Eagle Scout

Other Professional Experience

Independent Consultant [Analysis, Survey Programming, Data Management]

Research Analyst, Vela Environmental [now KCoe Isom] (2010–2012)

Intern, groSolar and Chesapeake Solar [now SolarCity/Tesla Solar] (2008, 2009)

Intern, Howard County Library IT Department (2005–2008)

Miscellaneous

Technical Proficiencies: Adobe Creative Suite, FrontlineSMS, \LaTeX , Linux, Matlab, ODK, Python, R, Stata, SurveyCTO, Web Design

Foreign Languages: English (native), French (professional proficiency), Portuguese (basic), Wolof (basic)

Erdős Number: 6

Last updated: March 27, 2020