# JEFFREY D. MICHLER

University of Arizona Dept. of Agricultural and Resource Economics McClelland Park 301K Tucson, AZ 85721 1.520.621.9809

jdmichler@arizona.edu Departmental Website AIDE Lab Website Personal Website Github

# ACADEMIC APPOINTMENTS

Associate Professor, Dept. of Agricultural and Resource Economics, University of Arizona
Assistant Professor, Dept. of Agricultural and Resource Economics, University of Arizona
Assistant Professor, Dept. of Agricultural and Resource Economics, University of Saskatchewan
Post-Doctoral Fellow, University of Illinois & ICRISAT - Zimbabwe

# **EDITORIAL APPOINTMENTS**

2023- Associate Editor, Agricultural Economics

2024- Associate Editor, European Review of Agricultural Economics

# AFFILIATIONS

- 2020- Catalyst, Berkeley Initiative for Transparency in the Social Sciences (BITSS)
- 2020- Affiliate, Humanitarian Assistance Technical Support (HATS) Initiative
- 2019-22 Short-Term Consultant, World Bank
- 2018-23 Adjunct Professor, Dept. of Agricultural and Resource Economics, University of Saskatchewan

# EDUCATION

- Ph.D. Agricultural Economics, Purdue University, May 2015
- M.A., Economics, New School for Social Research, December 2009
- M.A., Theology, magna cum laude, St. Vladimir's Orthodox Theological Seminary, May 2007

B.A., Economics and History, cum laude, Bethel University, May 2003

# Publications and Presentations

## Books

Josephson, A. and J.D. Michler. 2023. *Research Ethics in Applied Economics: A Practical Guide*. New York: Routledge.

# Journal Articles

[20] Michler, J.D., A. Josephson, T. Kilic, and S. Murray. 2022. "Privacy Protection, Measurement Error, and the Integration of Remote Sensing and Socioeconomic Survey Data." *Journal of Development Economics* 158: 102927.

- 2022 Agricultural and Applied Economics Association International Section Best Publication - Honorable Mention
- [19] Rudin-Rush, L., J.D. Michler, A. Josephson, and J.R. Bloem. 2022. "Food Insecurity During the First Year of the COVID-19 Pandemic in Four African Countries." *Food Policy* 111: 102306.
- [18] Michler, J.D., F. Viens, and G. Shively. 2022. "Risk, Crop Yields, and Weather Index Insurance in Village India." *Journal of the Agricultural & Applied Economics Association* 1 (1): 61-81.
- [17] Josephson, A., T. Kilic, and J.D. Michler. 2021. "Socioeconomic Impacts of COVID-19 in Low-Income Countries." *Nature Human Behaviour* 5: 557-65. Available as World Bank Policy Research Working Paper No. 9466.
- [16] Arouna, A., J.D. Michler, and J.C. Lokossou. 2021. "Contract Farming and Rural Transformation: Evidence from a Field Experiment in Benin." *Journal of Development Economics* 151: 102626. Available as NBER Working Paper No. 25665.
  - 2022 Agricultural and Applied Economics Association Quality of Research Discovery Award
- [15] Arouna, A., J.D. Michler, W.G. Yergo, and K. Saito. 2021. "One Size Fits All? Experimental Evidence on the Digital Delivery of Personalized Extension Advice in Nigeria." *American Journal of Agricultural Economics* 103 (2): 596-619.
  - 2021 Agricultural and Applied Economics Association Africa Section Best Publication Award
- [14] Michler, J.D., W. Masters, and A. Josephson. 2021. "Research Ethics Beyond the IRB: Selection Bias and the Direction of Innovation in Applied Economics." *Applied Economic Perspectives and Policy* 43 (4): 1352-65.
- [13] Janzen, S. and J.D. Michler. 2021. "Ulysses' Pact or Ulysses' Raft: Using Pre-Analysis Plans in Experimental and Nonexperimental Research." Applied Economic Perspectives and Policy 43 (4): 1286-1304.
- [12] Michler, J.D. and S.Y Wu. 2020. "Governance and Contract Choice: Theory and Evidence from Groundwater Irrigation Markets." *Journal of Economic Behavior & Organization 180*: 129-47.
- [11] Michler, J.D. 2020. "Agriculture in the Process of Development: A Micro-Perspective." World Development 129: 104888.
- [10] Michler, J.D. and S.Y. Wu. 2020. "Relational Contracts in Agriculture: Theory and Evidence." Annual Review of Resource Economics 12: 111-27.
- [9] Michler, J.D., E. Tjernström, S. Verkaart, and K. Mausch. 2019. "Money Matters: The Role of Yields and Profits in Agricultural Technology Adoption." American Journal of Agricultural Economics 101 (3): 710-31.
  - 2019 Outstanding American Journal of Agricultural Economics Article Award
- [8] Michler, J.D., K. Baylis, M. Arends-Kuenning, and K. Mazvimavi. 2019. "Conservation Agriculture and Climate Resilience." *Journal of Environmental Economics and Management* 93: 148-69.
- [7] Slade, P., J.D. Michler, and A. Josephson. 2019. "Foreign Geographical Indications, Consumer Preferences, and the Domestic Market for Cheese." *Applied Economic Perspectives and Policy* 41 (3): 370-90.
- [6] Josephson, A. and J.D. Michler. 2018. "Beasts of the Field? Ethics in Agricultural and Applied Economics." *Food Policy* 79: 1-11.
- [5] Barriga Cabanillas, O., J.D. Michler, A. Michuda, and E. Tjernström. 2018. "Fitting and Interpreting Correlated Random-Coefficient Models Using Stata." *Stata Journal* 18 (1): 159-73.

- [4] Michler, J.D. and A. Josephson. 2017. "To Specialize or Diversify: Agricultural Diversity and Poverty Dynamics in Ethiopia." *World Development 89*: 214-26.
- [3] Michler, J.D. and J.V. Balagtas. 2017. "The Importance of the Savings Device in Precautionary Savings: Empirical Evidence from Rural Bangladesh." *Agricultural Economics* 48 (2): 129-41.
- [2] Verkaart, S., B. Munyua, K. Mausch, and J.D. Michler. 2017. "Welfare Impacts of Improved Chickpea Adoption: A Pathway for Rural Development in Ethiopia?" *Food Policy* 66: 50-61.
- [1] Michler, J.D. and G. Shively. 2015. "Land Tenure, Tenure Security and Farm Efficiency: Panel Evidence from the Philippines." *Journal of Agricultural Economics 66* (1): 155-69.

#### **Book Chapters**

- Michler, J.D. and A. Josephson. 2022. "Recent Developments in Inference: Practicalities for the Applied Economist." In J. Roosen and J.E. Hobbs, eds., *A Modern Guide to Food Economics*. Cheltenham: Edward Elgar Publishing.
- Furbush, A., A. Josephson, T. Kilic, and J.D. Michler. 2021. "The Evolving Impact of COVID-19 in Four African Countries," in R. Arezki, S. Djankov, and U. Panizza, eds., *Shaping Africa's Post-Covid Recovery*. London: CEPR Press. Available as World Bank Policy Research Working Paper No. 9556.

## In Review

- Furbush, A., A. Josephson, T. Kilic, and J.D. Michler. "Coping or Hoping? Livelihood Diversification and Household Welfare in the COVID-19 Pandemic." Revise & Resubmit, *Journal of the Agricultural & Applied Economics Association*
- Tjernström, E., D. Ghanem, O. Barriga Cabanillas, T.J. Lybbert, A. Michuda, J.D. Michler. "Comment on Suri (2011) 'Selection and Comparative Advantage in Technology Adoption'." Revise & Resubmit, *Econometrica*
- Athnos, A., A. Josephson, J.D. Michler, and L. Rudin-Rush. "Expanding Undergraduate Research Experience: Opportunities, Challenges, and Lessons for the Future." Revise & Resubmit, *Applied Economics Teaching Resources*

#### **In Preparation**

- Michler, J.D., A. Josephson, T. Kilic, and S. Murray. "The Mismeasure of Weather: Using Remotely Sensed Weather Data in Economic Contexts."
- McCann, L., J.D. Michler, J. Raneria, and N. Estrada Carmona. "Food Without Fire: Nutritional Outcomes from a Solar Stove Field Experiment."
- Kee-Tui, E., A. Josephson, and J.D. Michler. "Labor, Credit, and Markets: Evidence from the Philippines, 1971-2016."
- Al Rafi, D.A., J. Giezendanner, A. Josephson, J.D. Michler, V. Pede, and E. Tellman. "Impact Evaluations in Data Poor Settings: The Case of Stress-Tolerant Rice Varieties in Bangladesh."
- Michler, J.D., P. Slade, and S.Y. Wu. "Approximation in Complex Pricing Mechanisms."
- Deutschmann, J.W., J.D. Michler, and E. Tjernström. "Complex Pricing and Consumer Behavior: Evidence from a Lab Experiment."
- Michler, J.D., S.D. Yun, and B. Gramig. "A Dynamic Model of Firm Location in Two-Dimensional Space."

- Josephson, A., J.D. Michler, and A. Orr. "An Industrious Revolution? Changes in the Household Economy in Rural Bangladesh."
- Baylis, K., M. Mallory, J.D. Michler, and T. Songsermsawa. "Effects of Credit and Market Access on Farm Gate Prices in India."

## **Reports, Briefs, and Policy Papers**

- Michler, J.D., A. Josephson, T. Kilic, and S. Murray. "Estimating the Impact of Weather on Agriculture." World Bank Policy Research Working Paper No. 9867.
- Josephson, A., E. Kee-Tui, J.D. Michler, and S. Perez. 2020. "Dissemination and Adoption of Bundled Agronomic Practices." Cardon Working Paper Series No. 202002.
- "Assessing the Contributions of Conservation Agriculture to Building Resilience to Drought." 2016. Literature Review Report 6924-EL04. VUNA, Pretoria, South Africa.
- "Assessment of the Impact of Improved Pigeonpea Development in Northern Tanzania." 2016. Impact Brief No. 1 Patancheru 502 324, Telangana, India: ICRISAT.
- "An Economic Assessment of Sorghum Improvement in Mali." 2016. Impact Brief No. 2 Patancheru 502 324, Telangana, India: ICRISAT.
- "Impact of Fertilizer Microdosing Research and Development in Semi-Arid Zimbabwe." 2016. Impact Brief No. 3 Patancheru 502 324, Telangana, India: ICRISAT.
- "Economic Impacts of Groundnut Research and Development in Malawi: 1982-2013." 2016. Impact Brief No. 4 Patancheru 502 324, Telangana, India: ICRISAT.
- "Impact Assessment of Pearl Millet Hybrids on Production in Northwest India." 2016. Impact Brief No. 5 Patancheru 502 324, Telangana, India: ICRISAT.

#### Invited Seminars, Conference Presentations, and Workshops

- 2024 Planned: NIFA Agriculture Policy Scholars Conference (New Orleans, IA), IAAE Triennial Meeting (New Delhi, India)
- 2023 University of Idaho (Moscow, ID), Midwest International Economic Development Conference (Houston, TX), AERE Research Seminar, University of Sydney (Sydney, Australia), Honors Student Guest Lecture, University of Sydney (Sydney, Australia), WEAI International Conference (Melbourne, Australia), BITSS Research Seminar (Berkeley, CA), AAEA Annual Meeting (Washington, D.C.), AAAE Triennial Meeting (Durban, South Africa), International Rice Congress (Manila, Philippines), Arizona State University (Tempe, AZ)
- 2022 Pacific Conference for Development Economics (San Francisco, CA), CSAE Conference (virtual), Midwest International Economic Development Conference (Minneapolis, MN), SGA Annual Meeting (Frick, Switzerland), 44<sup>th</sup> BREAD Conference (Evanston, IL), Nordic Conference in Development Economics (Helsinki, Finland), IFAD22 International Conference (Rome, Italy), AAEA Annual Meeting (Anaheim, CA)
- 2021 SPIA Webinar Series (virtual), Pre-Doctoral Research in Economics Workshop (virtual), Feed the Future Agrilinks Webinar Series (virtual), AAEA Annual Meeting (Austin, TX), IAAE Triennial Meeting (virtual), NIFA Agriculture Policy Scholars Conference (virtual)
- 2020 World Bank Development Data Group Learning Series (virtual), AAEA Annual Meeting (virtual), NIFA Agriculture Policy Scholars Conference (virtual), Michigan State University (virtual). Accepted, conference canceled due to COIVD-19: CSAE Conference (Oxford, England), SIOE Annual Meeting (Cambridge, MA)

- 2019 AAEA invited session at ASSA (Atlanta, GA), NBER Transforming Rural Africa Conference (Cambridge, MA), CSAE Conference (Oxford, England), University of Arizona (Tucson, AZ), IRRI Workshop on Improving Impact Assessment, Monitoring, and Evaluation (Rome, Italy), SIOE Annual Meeting (Stockholm, Sweden), AAEA Annual Meeting (Atlanta, GA), Arizona State University (Mesa, AZ), University of Minnesota (St. Paul, MN)
- 2018 CSAE Conference (Oxford, England), Midwest International Economic Development Conference (Minneapolis, MN), University of Wisconsin (Madison, WI), PIM Workshop on Rural Transformation in the 21<sup>st</sup> Century (Vancouver, Canada), IAAE Triennial Meeting (Vancouver, Canada), AAEA Annual Meeting (Washington, D.C.), University of Copenhagen (Copenhagen, Denmark) International Rice Congress (Singapore)
- 2017 AEA Annual Meeting (Chicago, IL), CSAE Conference (Oxford, England), University of Arizona (Tucson, AZ), SPIA/IFPRI Invited Conference on Impacts of International Agricultural Research (Nairobi, Kenya), AAEA Annual Meeting (Chicago, IL), Workshop on Relational Contracts (Evanston, IL)
- 2016 University of Saskatchewan (Saskatoon, Canada), IFPRI (Washington, D.C.), AAAE Triennial Meeting (Addis Ababa, Ethiopia), AAEA Annual Meeting (Boston, MA), African School of Economics (Cotonou, Benin), Africa Rice (Cotonou, Benin), 3ie Workshop on Agricultural Risk Mitigation (Nairobi, Kenya), Pan-African Grain Legume Conference (Livingstone, Zambia)
- 2015 Econometric Society World Congress (Montreal, Canada), SIOE Annual Meeting (Cambridge, MA), IAAE Triennial Meeting (Milan, Italy), AAEA Annual Meeting (San Francisco, CA), Midwest International Economic Development Conference (Madison, WI)
- 2014 International Rice Congress (Bangkok, Thailand), AAEA Annual Meeting (Minneapolis, MN), Midwest International Economic Development Conference (Minneapolis, MN), IRRI (Los Banos, Philippines)
- 2013 AAEA Annual Meeting (Washington, D.C.), IRRI (Los Banos, Philippines)
- 2012 AAEA Annual Meeting (Seattle, WA), Purdue Experimental Economics Seminar (West Lafayette, IN)

# Teaching

## University of Arizona

AREC513/ECON513	Consumer Economics and Price Analysis (Spring 2020, 21, 22)
AREC360	Poverty and Development of Nations (Spring 2019, 20, 21, 22)
AREC516/ECON516	Microeconomics of Agricultural Development (Spring 2019)

## University of Saskatchewan

AREC 272 Introduction to Agricultural Economics (Spring 2018)

## **Purdue University**

AGEC 217 Principles of Macroeconomics - Instructor (Summer 2012) AGEC 217 Principles of Macroeconomics - TA (Fall, 2011; Spring 2012)

# Workshops and Other Teaching

IRRI (Los Baños, Philippines)	Workshop on Advanced Methods of Impact Assessment
	(co-taught with Anna Josephson, December 2019)
WorldFish (Penang, Malaysia)	Workshop on Advanced Methods of Impact Assessment
	(co-taught with Mary Arends-Kuenning and Kathy Baylis, May 2017)
ICRAF (Nairobi, Kenya)	Workshop on Advanced Methods of Impact Assessment
	(co-taught with Mary Arends-Kuenning and Kathy Baylis, September 2015)

## **Graduate Student Supervision**

Reece Branham, MS 2025 (expected) Chandrakant Agme, MS 2024 (expected) Dewan Al Rafi, MS 2023 (co-advisor), PhD student AAE, University of Georgia Lorin Rudin-Rush, MS 2023 (co-advisor), PhD student AAE, University of Wisconsin Ann Furbush, MS 2022 (advisor), Analyst, Cambridge Econometrics Charles Meisch, MS 2022 (co-advisor), Research Associate, TANGO International Laura McCann, MS 2021 (advisor), PhD student Public Policy, University of Arizona Emil Kee-Tui, MS 2021 (co-advisor), PhD student Applied Economics, Cornell University Emily Joiner, MS 2020 (committee member) Cheng Zhou, MS 2020 (committee member)

#### **Undergraduate Student Supervision**

Samantha Wetherell, BS 2023 Andrew Soderberg, BS 2023, MS AREC, University of Arizona Alison Conley, BS 2020, MA Economics, Boston University Brian McGreal, BS 2020, MS AREC, University of Arizona

#### Undergraduate Supervision of Research Interns in Data Analysis and Applied Economics

Ella Anderson, BS Environmental & Water Resource Economics, 2026 (expected) Kieran Douglas, BA Economics, 2025 (expected) Rebeca Fingkreuw, BA Applied Humanities & Economics, 2024 (expected) Shayan Khan, BA Economics, Math, & Arabic, 2026 (expected) Caroline Klinck, BS Management Information Systems, 2024 (expected) Bryce Smets, BS Business Economics, 2025 (expected) Marlon Spain, BA Economics & BA Philosophy, Politics, Economics, and Law, 2024 (expected) Jacob Taylor, Environmental and Water Resource Economics & B.S. Computer Science, 2026 (expected) Tatum Bingham, BS Agribusiness Economics & Management, 2023 Reece Branham, BS Business Economics & BA French, 2023 Maxine Cruz, BS Ecology & Evolutionary Biology, 2023 Rodridgo Guerra Su, BS Agribusiness Economics & Management, 2023 Chi Nguyen, BA Environmental Studies, 2023 Hope Njuguna, BA Environmental Studies, 2024 (expected) Andrew Soderberg, BS Environmental & Water Resource Economics, 2023 Jake Thomason, BS Information Science, 2022

## **Visiting Scholar Supervision**

Ahsan Ali Rehmani, PhD University of Faisalabad (2021-22)

# **Research Grants, Awards, and Fellowships**

## External Grants (\$2,676,180)

USDA NIFA Hispanic-Serving Institutions Education Grant	\$1,000,000	Co-I	2022-24	
"Equitable Agriculture and Environmental Management"				
USAID Bureau of Humanitarian Assistance (BHA)	\$1,000,000	Co-I	2022-23	
"Enhancing Evidence for Humanitarian Action in the Face of Climate Change"				

World Bank Research Support Budget "Understanding Households' Resilience to and Recovery from	\$95,000 COVID-19 in		PI aran Af	2021-22 rica″		
Berkeley Initiative for Transparency in the Social Sciences (BITSS) "Transparency, Replicability, & Reproducibility in Agricultural			o-PI ics″	2020-21		
Standing Panel on Impact Assessment (SPIA) \$300,000 Co-PI 2020-22 "Evaluating the Impact of Stress-Tolerant Rice Varieties Through Remote Sensing and Econometric Methods"						
SSHRC Insight Development Grant "Approximation in Complex Pricing Mechanisms"	Can\$72,50	o F	Ϋ́	2018-19		
Standing Panel on Impact Assessment (SPIA) "Workshop and Institutional Support for Advanced Methods in	\$42,000 n Impact Ass		-PI	2017		
Strengthening Impact Assessment in the CGIAR (SIAC) \$150,000 Co-PI 2016-17 "Documenting Adoption of Natural Resource Management (NRM) Practices: Evidence on Microdosing and Conservation Agriculture in Zimbabwe and Niger"						
U.S. Borlaug Fellowship in Global Food Security "Household Grain Storage and Food Security in Rural Banglad	\$15,000 lesh″	Fellow	wship	2012-13		
Internal Grants (\$101,500)						
University of Arizona						
AIRES RISE Initiative24	\$44,000	co-PI	2022	0-00		
Environment & Resilience Vertically Integrated Projects (VIP)	\$4,000	0011	2022	0		
Economics Science Laboratory Seed Grant	\$1,000	PI	20			
Arizona Institutes for Resilience (AIR) Seed Grant	\$7,500	co-PI	20			
CALS Early Career Seed Grant	\$10,000	PI	201			
University of Saskatchewan	<i><i><i>q</i><sub>10</sub>,000</i></i>		-01			
Global Ambassador Program Award	Can\$5,000		2018	8-19		
President's SSHRC Research Fund	Can\$7,000	PI	2017			
University of Illinois at Urbana-Champaign			/	,		
ACES International Joint Research Program Grant	\$20,000	Co-PI	20	16		
Purdue University						
Climate Change Research Center Travel Grant	\$2,000		20	15		
D. Thomas Woods Memorial Fund for International Studies	\$1,000		20	0		

## Awards and Fellowships

- Agricultural and Applied Economics Association International Section Best Publication Honorable Mention (with Anna Josephson, Talip Kilic, and Siobhan Murray), 2022
- Agricultural and Applied Economics Association Quality of Research Discovery Award (with Aminou Arouna and Jourdain Lokossou), 2022
- Agricultural and Applied Economics Association Outstanding Master's Thesis Award, advisor (with Anna Josephson), awarded to Emil Kee-Tui, 2022
- Agricultural and Applied Economics Association Africa Section Best Publication Award (with Aminou Arouna, Wilfried Yergo, and Kazuki Saito), 2021

Outstanding American Journal of Agricultural Economics Article Award (with Emilia Tjernström, Simone

Excellence in Refereeing Award, *World Bank Economic Review*, 2018 Best Dissertation, Dept. of Agricultural Economics, Purdue, 2015 Young Rice Scientist Award, 2014 Frederick N. Andrews Fellowship, 2010-2012

# **PROFESSIONAL AND ACADEMIC EXPERIENCE**

- 2019-22 Short-Term Consultant, World Bank
- 2013-15 Graduate Research Assistant, Purdue University
- 2013 Visiting Scholar, IRRI, Dhaka, Bangladesh
- 2007-08 Natural Resource Analyst, O&M Partners, New York, NY
- 2003-04 High school teacher (economics and history), Hinkson Academy, Moscow

# **PROFESSIONAL SERVICE**

**Journal reviewer** for African Journal of Agricultural and Resource Economics, Agricultural Economics, Agricultural Systems, American Journal of Agricultural Economics, Applied Economic Perspectives and Policy, Australian Journal of Agricultural and Resource Economics, Climate Change, European Review of Agricultural Economics, Food Policy, Global Food Security, Journal of African Economies, Journal of the Agricultural and Applied Economics Association, Journal of Agricultural Economics, Journal of the Association of Environmental and Resource Economists, Journal of Development Studies, Journal of Environment and Development, Journal of Environmental Economics and Management, Land Economics, Land Use Policy, Nature Human Behaviour, PLOS ONE, Review of Economics of the Household, World Bank Economic Review, World Development, World Development Perspectives

**Member** of American Economic Association (AEA); Society for Institutional & Organizational Economics (SIOE); Agricultural & Applied Economics Association (AAEA); International Association of Agricultural Economists (IAAE); African Association of Agricultural Economists (AAAE)

Service to the Agricultural and Applied Economics Association (AAEA)

Chair Experimental Economics (EXECON) Section of the AAEA (2021-2022), Chair-Elect (2020-21), Past-Chair (2022-2023)
Member of AAEA Quality of Research Discovery Award subcommittee (2023, 2024)
Chair of AAEA EXECON Section Best Paper Award committee (2023)
Co-Topic Leader, experimental economics, AAEA annual meeting (2023, 2024)
Abstract reviewer for AAEA annual meeting (2015-2023)

# Service to Other Professional Organizations

Abstract reviewer for AAAE (2016, 2019, 2023); ICAE (2015, 2018, 2021); WAEA (2022); topic leader for WAEA (2020)

**Grant reviewer** for National Science Foundation (NSF); National Institute of Food and Agriculture (NIFA); International Initiative for Impact Evaluation (3ie)

Book reviewer for International Food Policy Research Center (IFPRI)

## Service to the College and University

**Member advisory council**, Arizona Institutes for Resilience (AIR) International Programs (2021-23) **Member**, University Fellows Selection Review Committees (2023) **Department representative**, CALS Faculty Council, University of Arizona (2019); Graduate Student Advisory Council, College of Agriculture, Purdue University (2013-2014)

# Service to the Department

Chair, AREC Behavioral Economics Hiring Committee (2023); AREC Environmental Economics Hiring Committee (2023)
Chair, AREC Website and Communication Committee (2018-24)
Member, AREC Research Professor Hiring Committee (2023); AREC Professor of Practice Hiring Committee (2021)
Academic chair, Graduate Student Organization, Purdue University (2013-14)

Last updated: May 6, 2024