# JEFFREY D. MICHLER

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# ACADEMIC APPOINTMENTS

2022-	Associate Professor, Dept. of Agricultural and Resource Economics, University of Arizona
2018-22	Assistant Professor, Dept. of Agricultural and Resource Economics, University of Arizona
2017-18	Assistant Professor, Dept. of Agricultural and Resource Economics, University of Saskatchewan
2015-17	Post-Doctoral Fellow, University of Illinois & ICRISAT - Zimbabwe

# **EDITORIAL APPOINTMENTS**

2023- Associate Editor, Agricultural Economics

2024- Associate Editor, European Review of Agricultural Economics

# **A**FFILIATIONS

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. "A Geospatial Impact Evaluation of Stress-Tolerant Rice Varieties in Flood Prone 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)
- 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)
- 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)
- 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)

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)
- 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)
- 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)
- 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)
- 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 \$95,000 PI 2021-22 "Understanding Households' Resilience to and Recovery from COVID-19 in Sub-Saharan Africa"

Berkeley Initiative for Transparency in the Social Sciences (BITSS) \$1,680 Co-PI 2020-21 "Transparency, Replicability, & Reproducibility in Agricultural and Applied Economics"

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 Can\$72,500 PI 2018-19 "Approximation in Complex Pricing Mechanisms"

Standing Panel on Impact Assessment (SPIA) \$42,000 Co-PI "Workshop and Institutional Support for Advanced Methods in Impact Assessment"

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 \$15,000 Fellowship 2012-13 "Household Grain Storage and Food Security in Rural Bangladesh"

#### Internal Grants (\$101,500)

University of Arizona					
AIRES RISE Initiative24	\$44,000	co-PI	2022-23		
Environment & Resilience Vertically Integrated Projects (VIP)	\$4,000		2022		
Economics Science Laboratory Seed Grant	\$1,000	PΙ	2022		
Arizona Institutes for Resilience (AIR) Seed Grant	\$7,500	co-PI	2021		
CALS Early Career Seed Grant	\$10,000	PΙ	2018-9		
University of Saskatchewan					
Global Ambassador Program Award	Can\$5,000		2018-19		
President's SSHRC Research Fund	Can\$7,000	PΙ	2017-18		
University of Illinois at Urbana-Champaign					
ACES International Joint Research Program Grant	\$20,000	Co-PI	2016		
Purdue University					
Climate Change Research Center Travel Grant	\$2,000		2015		
D. Thomas Woods Memorial Fund for International Studies	\$1,000		2013		

### 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

Short-Term Consultant, World Bank
 Graduate Research Assistant, Purdue University
 Visiting Scholar, IRRI, Dhaka, Bangladesh
 Natural Resource Analyst, O&M Partners, New York, NY
 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: January 16, 2024