

CONTACT INFORMATION	1 (217) 305-2300 noejnava2@gmail.com https://noejn2.github.io/	
Citizenship: United States of America and México		
POSITIONS	Seize — Institute of Consulting and Business Solutions 2025 - present Economic Modeling Advisor Riyadh, Saudi Arabia	
	Independent Consulting Economic Modeling Consultant Chicago, IL	2025
	USDA Economic Research Service Research Agricultural Economist Market and Trade Economics Division, Agricultural and Policy Models branch	2022 - 2025
EDUCATION	Ph.D., Agricultural and Applied Economics University of Illinois Urbana-Champaign, IL Advisor: William Ridley Dissertation: Three Essays on Agricultural and Consumer Economics, <i>Outstanding Doctoral Dissertation Award</i> Committee: William Ridley (chair), Sandy Dall'Erba, Yilan Xu, and Rafael Garduño-Rivera	2021
	B.A., Mathematical Economics California State University, San Bernardino, San Bernardino, CA Advisor: Kazim Konyar <i>Summa Cum Laude</i>	2016
RESEARCH INTERESTS	Methods Bayesian data analysis General equilibrium models Structural econometrics	Fields Agricultural production Consumption economics Food systems
JOURNAL ARTICLES	<p>1. <i>Land competition and poverty effects from the Mexico's proposal to ban Genetically Engineered corn.</i> 2024 American Journal of Agricultural Economics 106(3): 1300-1325. with Jayson Beckman, Angelica Williams, and Steven Zahniser. doi:10.1111/ajae.12463</p> <p>2. <i>Losing Ground: Measuring the Welfare Effects of Retail Food Price Inflation during the COVID-19 Pandemic on Mexican Household.</i> 2024 Journal of Agriculture and Food Industrial Organization 22 (2): 143-154.</p>	

- with Benjamin D.K. Wood, and Rafael Garduño-Rivera.
doi:10.1515/jafio-2023-0041
3. *Estimation of the Value-Added/Intermediate Input Substitution Elasticities Consistent with the GTAP Data.* 2023. **Journal of Global Economic Analysis** 8(2): 134-158.
with Jayson Beckman, and Maros Ivanic.
doi:10.21642/JGEA.080204AF
 4. *A model of the U.S. food system: What are the determinants of the state vulnerabilities to production shocks and supply chain disruptions?* 2023. **Agricultural Economics** 54(1): 95-109. ¹ ²
with William Ridley, and Sandy Dall'Erba.
doi:10.1111/agec.12750
 5. *The impact of taxing sugary-sweetened beverages in México: A censored QUAID demand system approach.* 2022. **Journal of Agricultural and Applied Economics Association** 1(1): 18-32.
with Diansheng Dong.
doi:10.1002/jaa2.6
 6. *U.S. interstate trade will mitigate the negative impact of climate change on crop profit.* 2021. **American Journal of Agricultural Economics** 103(5): 1720-1741.
with Sandy Dall'Erba, and Zhangliang Chen.
doi:10.1111/ajae.12204
 7. *The impacts of agroforestry on agricultural productivity, ecosystem services, and human well-being in low- and middle-income countries: An evidence and gap map.* 2020. **Campbell Systematic Reviews** 16(1): e1066.
with Daniel C. Miller, Pablo J. Ordoñez, Sarah E. Brown, Samantha Forrest, Karl Hughes, and Kathy Baylis.
doi:10.1002/cl2.1066
 8. *The conduits and barriers to reentry for formerly incarcerated individuals in San Bernardino.* 2018. **Journal of Prison Education and Reentry** 5(1): 2-17.
with Annika Anderson, and Patricia Cortez.
doi:10.25771/sdf0-1631

BOOK CHAPTERS

1. *Climate and Weather Impacts on Agricultural Productivity.* 2025. **Encyclopedia of Energy, Natural Resource, and Environmental Economics, 2e.**
with Eric Njuki, and Boris E Bravo-Ureta.

¹Most Outstanding Second Year Research Paper at University of Illinois at Urbana-Champaign-ACE 2020.

²The Charles M. Tiebout Prize in Regional Science 2021.

U.S.
DEPARTMENT OF
AGRICULTURE,
ECONOMICS
RESEARCH
SERVICE

1. *International Income and Price Elasticity Estimates: An Update 2025 Technical Bulletin* TB-1971.
with Yacob Abrehe Zereyesus, Tian Xia, Xianghong Li, and Lila Cardell
2. *Potential Budgetary Impacts of Climate Change on the Pasture, Rangeland, and Forage Insurance Plan 2024 Economic Brief* EB-38: 25pp.
with Dylan Turner, Katherine Baldwin, Jayson Beckman, Francis Tsiboe, and Kate Vaiknoras.
3. *ERS Research Models Future Effects of Climate Change on Corn and Soybean Yields, Production, and Exports 2024 Amber Waves* 1545-8741.
with Jayson Beckman.
ERS Amber Waves, March 04, 2024
4. *Estimating the market and trade implications from climate-Induced corn and soybean yield changes for the U.S. 2023 Economics Research Report* ERR-324: 31pp.
with Jayson Beckman, and Maros Ivanic.
5. *Warming temperatures in U.S. Corn Belt expected to continue into next decade.*
Charts of Note, December 5, 2023

WORKING
PAPERS

1. *Tracing U.S. county-to-county domestic trade flows in grains.*
with William Ridley, Sandy Dall'Erba, Jian Zou, Youning Chen, and Christa Court.
AAEA discussion paper
2. *The Impact of International Demand for Cereals on U.S. Crop Land Appreciation: A Model Implied Instrumental Variable Approach*
with William Ridley, and Stephen Morgan.
AAEA discussion paper
3. *Does trade openness affect global grain supply response?*
with Yacob Zereyesus, Jennifer Kee, Stephen Morgan, Nathan Hendricks, Michael Johnson, Lila Cardell, Jeremy Jelliffe, and Walter Acpangan.
AAEA discussion paper
4. *Estimation of the factor transformation elasticities consistent with the GTAP data.*
with Jayscon Beckman, and Maros Ivanic.
5. *Incorporating the Land Allocation System into the GTAP framework*
with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.
GTAP discussion paper
6. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade*
Solo paper.

7. *Agro-climatic patterns for the Corn Belt towards the middle of the century.*
with Eric Njuki, Jayson Beckman, and Maros Ivanic.
8. *Revisiting the impact of climate change on agriculture through spatially-varying and place-tailored Ricardian estimates.*
with Sandy Dall'Erba, Chang Cai, and A. Stewart Fotheringham.
CREATE discussion paper

PAPERS IN
PREPARATION

1. *Is agricultural insurance a safety net or a net of complacency amidst adaptation to extreme weather events?*
with Francis Tsiboe, Dylan Turner, Katherine Baldwin, and Sharon Raszap.
2. *Designing policies to achieve healthy and sustainable diets*
with Grace Melo-Guerrero.

FELLOWSHIPS,
GRANTS AND
SCHOLARSHIPS

- The impact of climate change on agricultural production, productivity, and trade (\$403,152) 2023
- Improving the capabilities of global trade models to analyze changes in land use/land cover and green house emissions (\$280,000) 2023
- A global agricultural supply-demand-climate-trade model calibrated to Baseline (\$375,000) 2022
- Towards a data hub of global daily weather forecasts for the ERS (**PI**) (\$30,000) 2022
- ERS' international supply forecasting (\$30,000) 2022
- International food consumption patterns-implications for global food security and trade (\$25,000) 2022
- The Charles M. Tiebout Prize in Regional Science (\$1,000) 2021
- Cleo Fitzsimmons Award (\$500) 2020
- Agricultural and Consumer Economics Department Grant (\$400) 2019
- Marshall Scott Fellowship (\$4,877.85) 2018
- Brockson Fellowship (\$3,902.28) 2017
- The Proactive Recruitment in Introductory Science and Mathematics Travel Grant (\$1,000) 2016
- The Proactive Recruitment in Introductory Science and Mathematics Research Grant (\$2,000) 2015
- The John & June Kennedy Economics Scholarship (\$1,500) 2015

AWARDS AND
HONORS

- Outstanding Doctoral Dissertation Award, University of Illinois at Urbana-Champaign-ACE 2021
- The Charles M. Tiebout Prize in Regional Science 2021
- Farm foundation Agricultural Scholar 2021
- Most Outstanding Second Year Research Paper, University of Illinois at Urbana-Champaign-ACE 2020

TEACHING AND
MENTORSHIP
EXPERIENCE

- Mentor at ERS Summer internship**
Kristiina Ala-Kokko (Kansas State University) 2022

Teaching Assistant

ACE 240: Personal Financial Planning FA19

Instructor: Paul B Stoddard, Senior Lecturer

Lecture: 160 students

University of Illinois at Urbana-Champaign, IL

Undergraduate Credit: 4 Hours.

ACE 231: Food and Agribusiness Management SP18

Instructor: Paul B Stoddard, Senior Lecturer

Lecture: 160 students

University of Illinois at Urbana-Champaign, IL

Undergraduate Credit: 4 Hours.

ACE 341AMM: Issues in Agribusiness Markets and Management FA17

Instructor: Paul B Stoddard, Senior Lecturer

Lecture: 20 students

University of Illinois at Urbana-Champaign, IL

Undergraduate Credit: 3 Hours.

RESEARCH IN
THE NEWS

1. *Climate Impacts on Corn and Soybean Yields by Mid-2030s* in Progressive Farmer
2. *"Climate change is real;" Researchers warn extreme weather events could impact Illinois agriculture* in WCIA.com
3. *Trade Insurance* in Jayson Lusk, Food and Agricultural Economist, personal blog.

RESEARCH
ASSISTANTSHIPS**Interstate Trade as Mitigating Factor for the Effects of Climate Change on Illinois Agriculture**

January 2020 - December 2021

How do the interstate trade flows of Illinois farm products respond to extreme weather events?

University of Illinois at Urbana-Champaign, IL

Supervisor: Prof. William Clifton Ridley

WORK
EXPERIENCE**Intern**

Department of Agriculture, U.S., Economic Research Service Summer 2021

Market & Trade Economics Division
Agricultural Policy and Models Branch
Kansas City, MO

Intern

Department of Agriculture, U.S., National Agricultural Statistics Service 2016 - 2017

Environmental, Economics and Demographics

Rafael Garduño-Rivera, Ph.D.
Professor, School of Economic and Administrative Sciences
Universidad Panamericana, México
rgardunor@up.edu.mx

PROGRAMMING Julia, L^AT_EX, Markdown, Python, R, Stan, Stata, & SQL.

LANGUAGES English & Spanish.

SERVICE AND
PROFESSIONAL
ACTIVITIES

Journal Refereeing
American Journal of Agricultural Economics; Economic Modelling; Discover Food;s Environmental Research Letters; Journal of Agricultural and Applied Economics Association; Nature Food; Organisation for Economic Co-Operation and Development (OECD); U.S. Global Change Research Program (USGCRP); World Development.

USDA - Economics Research Service
Member, ERS Modeling Team Committee
Member, ERS Brownbag Series Committee

Abstract Reviewer
AAEA Annual Meeting, 2025.
AAEA Annual Meeting, 2024.