

CONTACT INFORMATION	1 (217) 305-2300 noejnava2@gmail.com https://noejn2.github.io/ Citizenship: United States of America and México	
POSITIONS	USDA Economic Research Service Research Agricultural Economist Market and Trade Economics Division, Agricultural and Policy Models branch	2022 - <i>present</i>
EDUCATION	Ph.D., 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 B.S., Mathematical Economics California State University, San Bernardino, San Bernardino, CA Advisor: Kazim Konyar <i>Summa Cum Laude</i>	2021 2016
RESEARCH INTERESTS	Methods Bayesian data analysis General equilibrium models Structural econometrics	Fields Agricultural production Consumption economics Food systems
PEER REVIEWED PUBLICATIONS	<ol style="list-style-type: none"> 1. <i>Estimating the market and trade implications from climate-Induced corn and soybean yield changes for the U.S.</i> Forthcoming as Economics Research Report. with Jayson Beckman, and Maros Ivanic. 2. <i>Estimation of the value-added/intermediate input substitution elasticities consistent with the GTAP data</i> Forthcoming in Journal of Global Economic Analysis. with Jayson Beckman, and Maros Ivanic. 3. <i>A model of the U.S. food system: What are the determinants of the state vulnerabilities to production shocks and supply chain disruptions?</i> 2023 Agricultural Economics 54(1): 95-109. ¹ ² with William Ridley, and Sandy Dall’Erba. doi:10.1111/agec.12750 	

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

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

4. *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
5. *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
6. *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
7. *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

WORKING PAPERS

1. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade* (R&R)
Solo paper.
2. *Quantifying the food insecurity needs from price escalations among Mexican households.* (Selected for the special issue of the *Journal of Agriculture and Food Industrial Organization* on the causes and consequences of retail food price inflation)
with Rafael Garduño-Rivera, and Benjamin D.K. Wood.
3. *Incorporating the Land Allocation System into the GTAP framework* (R&R)
with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.
4. *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.
5. *Global Grain Supply Forecasting*
with Walter Acpangan, Nathan Hendricks, Yacob Zereyesus, Jennifer Kee, Jeremy Jelliffe, Stephen Morgan, and Lila Cardell.
6. *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	<ol style="list-style-type: none"> 1. <i>Tracing U.S. county-to-county domestic trade flows in grains.</i> with William Ridley, Sandy Dall’Erba, Jian Zou, Youning Chen, and Christa Court. 2. <i>Is it just non-farm influences? The impact of international demand for cereals on U.S. farmland appreciation</i> with William Ridley. 	
FELLOWSHIPS, GRANTS AND SCHOLARSHIPS	<ul style="list-style-type: none"> • A global agricultural supply-demand-climate-trade model calibrated to Baseline (\$375,000) • Towards a data hub of global daily weather forecasts for the ERS (PI) (\$30,000) • ERS’ international supply forecasting (\$30,000) • International food consumption patterns-implications for global food security and trade (\$25,000) • The Charles M. Tiebout Prize in Regional Science (\$1,000) • Cleo Fitzsimmons Award (\$500) • Agricultural and Consumer Economics Department Grant (\$400) • Marshall Scott Fellowship (\$4,877.85) • Brockson Fellowship (\$3,902.28) • The Proactive Recruitment in Introductory Science and Mathematics Travel Grant (\$1,000) • The Proactive Recruitment in Introductory Science and Mathematics Research Grant (\$2,000) • The John & June Kennedy Economics Scholarship (\$1,500) 	 2022 2022 2022 2022 2021 2020 2019 2018 2017 2016 2015 2015
AWARDS AND HONORS	<ul style="list-style-type: none"> • Outstanding Doctoral Dissertation Award, University of Illinois at Urbana-Champaign-ACE • The Charles M. Tiebout Prize in Regional Science • Farm foundation Agricultural Scholar • Most Outstanding Second Year Research Paper, University of Illinois at Urbana-Champaign-ACE 	 2021 2021 2021 2020
TEACHING AND MENTORSHIP EXPERIENCE	<p>Mentor at ERS Summer internship Kristiina Ala-Kokko (Kansas State University)</p> <p>Teaching Assistant ACE 240: Personal Financial Planning Instructor: Paul B Stoddard, Senior Lecturer Teaching Evaluation Scores: 5/5 <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.</p> <p>ACE 231: Food and Agribusiness Management Instructor: Paul B Stoddard, Senior Lecturer</p>	 2022 FA19 SP18

Teaching Evaluation Scores: 5/5*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

Teaching Evaluation Scores: 5/5*Lecture:* 20 students

University of Illinois at Urbana-Champaign, IL

Undergraduate Credit: 3 Hours.

RESEARCH IN
THE NEWS

1. *"Climate change is real;" Researchers warn extreme weather events could impact Illinois agriculture* in WCIA.com
2. *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

Washington, DC

Intern

Department of Agriculture, U.S., Rural Development Rural Housing Service

2015 - 2016

Washington, DC

SELECTED
PRESENTATIONS**Heterogeneous Patterns of Crop Yield Growth Stagnation across U.S. Stagnation across U.S. Counties in the Next Decade**

Agricultural & Applied Economics Association (AAEA)

2023

Track Session: Studying Climate Change Impacts from
Different Methodological Perspectives

The probabilistic role of climate change on crop yield potential

FCSM Research & Policy Conference (FCSM) 2022

**The impact of taxing sugar-sweetened beverages in México: A censored
QUAI demand system**

Agricultural & Applied Economics Association (AAEA) 2022

Track Session: Identification in Demand Estimations

**A model of U.S. domestic crop trade to study state's food vulnerability
to supply chain disruptions**³

Agricultural & Applied Economics Association (AAEA) 2021

Western Regional Science Association (WRSA) 2021

North American Regional Science Council (NARSC) 2020

**Revisiting the impact of climate change on
agriculture through spatially-varying and place-tailored
Ricardian estimates**

North American Regional Science Council (NARSC) 2021

Workshop RED in Mexico: Challenges of a New Era 2018

REFERENCES

William Clifton Ridley, Ph.D.

Professor, Department of Agricultural and Consumer Economics
University of Illinois Urbana-Champaign, IL
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Sandy Dall'Erba, Ph.D.

Professor, Department of Agricultural and Consumer Economics
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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; Environmental
Research Letters; Nature Food; Organisation for Economic Co-Operation
and Development (OECD); U.S. Global Change Research Program (USGCRP);
World Development.

³Previously titled *Who benefits from local agriculture?*