

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	2021
	B.S., 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	<ol style="list-style-type: none"> 1. <i>Estimation of the value-added/intermediate input substitution elasticities consistent with the GTAP data</i> Forthcoming in <i>Journal of Global Economic Analysis</i>. with Jayson Beckman, and Maros Ivanic. 2. <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 3. <i>The impact of taxing sugary-sweetened beverages in México: A censored QUAID demand system approach.</i> 2022. Journal of Agricultural and Applied Economics Association 1(1): 18-32. 	

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

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

with Diansheng Dong.
doi:10.1002/jaa2.6

4. *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
5. *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
6. *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

U.S.
DEPARTMENT OF
AGRICULTURE,
ECONOMICS
RESEARCH
SERVICE

1. *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.

WORKING
PAPERS

1. *Agro-climatic patterns for the Corn Belt towards the middle of the century.*
with Eric Njuki, Jayson Beckman, and Maros Ivanic.
2. *Land competition and poverty effects from the Mexico’s proposal to ban Genetically Engineered corn.(R&R)*
with Jayson Beckman, Angelica Williams, and Steven Zahniser.
3. *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.
4. *Estimation of the factor transformation elasticities consistent with the GTAP data.*
with Jayscon Beckman, and Maros Ivanic.
5. *Heterogenous patterns of crop yield growth stagnation across U.S. counties in the next decade*
Solo paper.

6. *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.
7. *Incorporating the Land Allocation System into the GTAP framework*(R&R)
with Kristiina Ala-Kokko, Jayson Beckman, and Maros Ivanic.
8. *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.
9. *Global Grain Supply Forecasting*
with Walter Acpangan, Nathan Hendricks, Yacob Zereyesus, Jennifer Kee, Jeremy Jelliffe, Stephen Morgan, and Lila Cardell.
10. *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. *Tracing U.S. county-to-county domestic trade flows in grains.*
with William Ridley, Sandy Dall’Erba, Jian Zou, Youning Chen, and Christa Court.
3. *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

	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<p>Mentor at ERS Summer internship Kristiina Ala-Kokko (Kansas State University) 2022</p> <p>Teaching Assistant ACE 240: Personal Financial Planning FA19 Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.</p> <p>ACE 231: Food and Agribusiness Management SP18 Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 160 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 4 Hours.</p> <p>ACE 341AMM: Issues in Agribusiness Markets and Management FA17 Instructor: Paul B Stoddard, Senior Lecturer <i>Lecture:</i> 20 students University of Illinois at Urbana-Champaign, IL Undergraduate Credit: 3 Hours.</p>
RESEARCH IN THE NEWS	<ol style="list-style-type: none"> 1. <i>Climate Impacts on Corn and Soybean Yields by Mid-2030s</i> in Progressive Farmer 2. <i>“Climate change is real;” Researchers warn extreme weather events could impact Illinois agriculture</i> in WCIA.com 3. <i>Trade Insurance</i> 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
Washington, DC

2015 - 2016

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 disruptions³

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

³Previously titled *Who benefits from local agriculture?*

REFERENCES	<p>William Clifton Ridley, Ph.D. Professor, Department of Agricultural and Consumer Economics University of Illinois Urbana-Champaign, IL wridley@illinois.edu</p> <p>Sandy Dall’Erba, Ph.D. Professor, Department of Agricultural and Consumer Economics University of Illinois Urbana-Champaign, IL dallerba@illinois.edu</p> <p>Rafael Garduño-Rivera, Ph.D. Professor, School of Economic and Administrative Sciences Universidad Panamericana, México rgardunor@up.edu.mx</p>
PROGRAMMING	Julia, L ^A T _E X, Markdown, Python, R, Stan, Stata, & SQL.
LANGUAGES	English & Spanish.
SERVICE AND PROFESSIONAL ACTIVITIES	<p>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.</p>