

CONTACT INFORMATION	1 (816) 412-7407 noe.nava@usda.gov <a href="https://noejn2.github.io/">https://noejn2.github.io/</a>  Citizenship: United States of America and México	805 Pennsylvania Av. Kansas City, MO 64105
POSITIONS	<b>USDA Economic Research Service</b> Research Agricultural Economist Market and Trade Economics Division, Agricultural and Policy Models branch	2022 - <i>present</i>
EDUCATION	<b>Ph.D., Applied Economics</b> University of Illinois at 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>B.S., Mathematical Economics</b> California State University, San Bernardino, San Bernardino, CA Advisor: Kazim Konyar <i>Summa Cum Laude</i>	2021        2016
RESEARCH INTERESTS	<b>Methods</b> Bayesian data analysis General equilibrium models Structural econometrics	<b>Fields</b> Agricultural production Consumption economics Food systems
PEER REVIEWED PUBLICATIONS	<ol style="list-style-type: none"> <li>1. <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> (Forthcoming in the <b>Agricultural Economics</b>)<sup>1 2</sup> with William Ridley, and Sandy Dall’Erba. doi:10.1111/agec.12750</li> <li>2. <i>The impact of taxing sugary-sweetened beverages in México: A censored QUA demand system approach.</i> 2022. <b>Journal of Agricultural and Applied Economics Association</b> 1(1): 18-32. with Diansheng Dong. doi:10.1002/jaa2.6</li> <li>3. <i>U.S. interstate trade will mitigate the negative impact of climate change on crop profit.</i> 2021. <b>American Journal of Agricultural Economics</b></li> </ol>	

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

<sup>2</sup>The Charles M. Tiebout Prize in Regional Science 2021.

103(5): 1720-1741.  
 with Sandy Dall’Erba, and Zhangliang Chen.  
 doi:10.1111/ajae.12204

4. *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
5. *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. *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
2. *Heterogenous patterns of crop growth stagnation across U.S. counties in the next decade.*  
 Solo paper.
3. *Quantifying the food insecurity needs from price escalations among Mexican households.* (Submitted)  
 with Rafael Garduño-Rivera, and Benjamin D.K. Wood.
4. *Estimating the market and trade impacts from climate-induced corn and soybean yield changes in the U.S.* (Submitted)  
 with Jayson Beckman, and Maros Ivanic.

#### PAPERS IN PREPARATION

1. *Tracing U.S. county-to-county domestic trade flows in grains.*  
 with William Ridley, and Sandy Dall’Erba.
2. *Is it just non-farm influences? The impact of international demand for cereals on U.S. farmland appreciation*  
 with William Ridley.
3. *Incorporating farmers’ land allocation production decisions in the GTAP framework*  
 with Kristiina Ala-Kokko, and Maros Ivanic.

FELLOWSHIPS, GRANTS AND SCHOLARSHIPS	• 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 (\$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 EXPERIENCE	<b>Teaching Assistant</b>	
	ACE 240: Personal Financial Planning	FA19
	Instructor: Paul B Stoddard, Senior Lecturer	
	<b>Teaching Evaluation Scores: 5/5</b>	
	<i>Lecture:</i> 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	
	<b>Teaching Evaluation Scores: 5/5</b>	
	<i>Lecture:</i> 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	
	<b>Teaching Evaluation Scores: 5/5</b>	
	<i>Lecture:</i> 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 2015 - 2016  
 Rural Housing Service  
 Washington, DC

SELECTED PRESENTATIONS

**The probabilistic role of climate change on crop yield potential.**  
 FCSM Research & Policy Conference (FCSM) 2022

**The impact of taxing sugary-sweetened beverages in México: A censored QUA demand system approach**  
 Agricultural & Applied Economics Association (AAEA) 2022

**A model of U.S. domestic crop trade to study state’s food vulnerability to supply chain disruptions**<sup>3</sup>  
 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

<sup>3</sup>Previously titled *Who benefits from local agriculture?*

Workshop RED in Mexico: Challenges of a New Era

2018

## REFERENCES

William Clifton Ridley, Ph.D.

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University of Illinois at Urbana-Champaign, IL  
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Sandy Dall'Erba, Ph.D.

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US Department of Agriculture, Economic Research Service  
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## PROGRAMMING

Julia, L<sup>A</sup>T<sub>E</sub>X, Markdown, Python, R, Stan, Stata, & SQL.

## LANGUAGES

English &amp; Spanish.

SERVICE AND  
PROFESSIONAL  
ACTIVITIES**Journal Refereeing**

American Journal of Agricultural Economics; World Development.