

CONTACT INFORMATION	1 (816) 412-7407 noe.nava@usda.gov https://noejn2.github.io/ Citizenship: United States of America and México	805 Pennsylvania Av. Kansas City, MO 64105
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 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.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>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 Agricultural Economics)^{1 2} with William Ridley, and Sandy Dall’Erba. CREATE discussion paper 2. <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. with Diansheng Dong. doi:10.1002/jaa2.6 3. <i>U.S. interstate trade will mitigate the negative impact of climate change on crop profit.</i> 2021. American Journal of Agricultural Economics 	

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

²The 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. *The probabilistic role of climate change on crop yield potential.* (Submitted)
 Solo paper.
3. *Quantifying the food insecurity needs from price escalations among Mexican households.* (Submitted)
 with Rafael Garduño-Rivera, and Benjamin D.K. Wood.

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. *Towards theoretically consistent agricultural baseline models: The effect of crop prices and land expansions on land allocation*
 with Kristiina Ala-Kokko and Maros Ivanic.

FELLOWSHIPS AND GRANTS

- The * indicates direct responsibility
- 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

	<ul style="list-style-type: none"> • 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	<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 EXPERIENCE	<p>Teaching Assistant</p> <p>ACE 240: Personal Financial Planning FA19 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 SP18 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 341AMM: Issues in Agribusiness Markets and Management FA17 Instructor: Paul B Stoddard, Senior Lecturer Teaching Evaluation Scores: 5/5 <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 change is real;” Researchers warn extreme weather events could impact Illinois agriculture</i> in WCIA.com 2. <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		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 QUAI 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 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 at Urbana-Champaign, IL		
	wridley@illinois.edu		

³Previously titled *Who benefits from local agriculture?*

Sandy Dall’Erba, Ph.D.

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University of Illinois at Urbana-Champaign, IL
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Diansheng Dong, Ph.D.

Senior Economist
US Department of Agriculture, Economic Research Service
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PROGRAMMING Julia, L^AT_EX, Markdown, Python, R, Stan, Stata, & SQL.

LANGUAGES English & Spanish.

SERVICE AND **Journal Refereeing**
PROFESSIONAL American Journal of Agricultural Economics; World Development.
ACTIVITIES