
CONTACT INFORMATION	Applied Economics Office NIST 100 Bureau Dr Gaithersburg, MD	<i>Phone:</i> 615-210-1978 <i>Email:</i> christina.gore@nist.gov cgore@jhu.edu
WORK EXPERIENCE	National Institute of Standards and Technology (NIST) Research Economist, Applied Economics Office August of 2022 to Present Johns Hopkins University Adjunct, Advanced Academic Programs MS in Applied Economics August of 2025 to Present	
EDUCATION	The Ohio State University , Columbus, OH Ph.D. Agricultural, Environmental, and Development (AED) Economics, May 2022 M.S. Agricultural, Environmental, and Development Economics, 2019 University of Tennessee , Knoxville, TN B.S. Business Administration (Economics Major), 2017	
RESEARCH INTERESTS	Environmental, Regional, and Behavioral Economics; Community Resilience; Transportation; Choice Experiments and Survey Design	
JOURNAL PUBLICATIONS	Gore, C., Grady, C., Dulam, R., Bolla, D., Liu, A., & Helgeson, J. (2026). Patterns and gaps in co-benefit reporting in global adaptation research. <i>Environmental Research: Climate</i> , 5(1), 015016. Iogansen, X., Gore, C., Kneifel, J., Ranganath, S., & Helveston, J. P. (2026). Consumers' perceptions, knowledge, and adoption patterns of battery electric vehicles. <i>Transportation Research Part D: Transport and Environment</i> , 153, 105194. Rieland, J. M., Gore, C., Migler, K. B., & Beers, K. L. (2026). Survey of agricultural plastic waste in the American Midwest: Usage and disposal. <i>Waste Management</i> , 209, 115212. Tollefson, J., Frickel, S., Gore, C., & Helgeson, J. (2025). Community Resilience Planning: What New Methods Reveal About the Formation	

and Transformation of a Field. Wiley Interdisciplinary Reviews: Climate Change, 16(4), e70015.

Al Kajbaf, A., Gore, C., Helgeson, J. F., & Loerzel, J. (2024). Analysis of natural disasters and COVID-19 pandemic complex impacts on distribution of PPP loans. Progress in Disaster Science, 100395.

Hurst, K. F., Carrel, A. L., Gore, C., & Sintov, N. D. (2024). Transit stories: How hearing about others' experiences impacts transit use and satisfaction. Travel Behaviour and Society, 36, 100770.

Carrel, A. L., White, L. V., Gore, C., & Shah, H. (2024). Subscribing to new technology: consumer preferences for short-term ownership of electric vehicles. Transportation, 51(3), 875-909.

Chen, Z., Carrel, A. L., Gore, C., & Shi, W. (2021). Environmental and economic impact of electric vehicle adoption in the US. Environmental Research Letters, 16(4), 045011.

NIST PUBLICATIONS

Iogansen X, Crowther I, Gore C, Kneifel J, Helveston JP. (2026) Data Collection Instrument: Evaluating Methodological Differences in Discrete Choice Experiments (National Institute of Standards and Technology, Gaithersburg, MD), NIST Data Collection Instruments (DCI) NIST DCI 010. <https://doi.org/10.6028/NIST.DCI.010>.

Crowther, I. , Gore, C. and Butry, D. (2026), Product Differentiation and Consumer Preferences for Non-market Product Attributes: A Literature Review, Technical Note (NIST TN), National Institute of Standards and Technology, Gaithersburg, MD. <https://doi.org/10.6028/NIST.TN.2368>.

Gore C, Helgeson JF, Grady C, Crowther I, Dulam R, Faiz T, Harrison K. (2026) Data Collection Instrument: Risk Preference in Community Resilience Planning (National Institute of Standards and Technology, Gaithersburg, MD), NIST Data Collection Instruments (DCI) NIST DCI 009. <https://doi.org/10.6028/NIST.DCI.009>

Gore C, Helgeson JF, Kneifel J (2025) Data Collection Instrument: Consumer Preferences for Battery Electric Vehicles and Battery Information. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Data Collection Instruments (DCI) NIST DCI 006. <https://doi.org/10.6028/NIST.DCI.006>

Webb, D; Gore, C; Kneifel, J (2025) Consumer Perspectives on Battery Electric Vehicles: An Analysis of Battery Information and Knowledge. (National Institute of Standards and Technology, Gaithersburg, MD),

NIST Technical Note (TN) NIST TN 2328.
<https://doi.org/10.6028/NIST.TN.2328>

Gore C, Ranganath S, Kneifel J, Fadojutimi D, Helgeson J (2024) Consumer Perspectives on Battery Electric Vehicles: A Literature Review. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Technical Note (TN) NIST TN 2306. <https://doi.org/10.6028/NIST.TN.2306>

Dulam R, Gore C, Helgeson J (2024) Methods for elicitation of risk preferences and perceptions: An examination of individual and group risk preferences. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Special Publication (SP) NIST SP 1323.
<https://doi.org/10.6028/NIST.SP.1323>

Helgeson JF, Gore C (2024) Beyond the Bottom Line: Nonmarket Stated and Revealed Preference Methods for Community Resilience and Adaptation Planning. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Special Publications (SP) NIST SP 1322.
<https://doi.org/10.6028/NIST.SP.1322>

Elsibaie SM, Ayyub BM, Helgeson JF, Gore CC, Butry DT (2023) Economic Decision Guide Software (EDGe\$) with Loss Amplification and Risk Aversion: Wildfire Urban Interface (WUI) Case Studies. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Special Publication (SP) NIST SP 1296. <https://doi.org/10.6028/NIST.SP.1296>

WORKING PAPERS

The role of adaptation frameworks in community resilience planning: Field formation and conceptual development (with Jonathan Tollefson, Scott Frickel, and Jennifer Helgeson) - **Revisions Requested**

Knowledge, Perception, and Behavior: Understanding Consumer Accuracy in Electric Vehicle Range Estimation (with Christopher Tang and Xiatian Iogansen) - **Revisions Requested**

Risk Perception vs. Risk Preference: Are Expert Opinions Aligned? Evidence from a Community Resilience Survey (with Ireland Crowther, Caitlin Grady, and Jennifer Helgeson) - **Under Review**

Decision making in public goods games with teams and punishment (with Mir Adnan Mahmood and John Kagel) - **Under Review**

Consumer Valuation of Battery Health Attributes in Used Battery Electric Vehicle Markets: A Discrete Choice Experiment (with Xiatian Iogansen, Zain Hoda, Joshua Kneifel, Sindhu Ranganath, and John Helveston)

Risk Aversion for Engineering Economic Modeling (with Sherief Elsibaie, Jennifer Helgeson, David Butry, and Bilal Ayyub)

What drives battery electric vehicle adoption? The impact of regional differences in carbon dioxide emissions on consumer decisions (with Andre Carrel and Elena Iwrin)

Consumer preferences for risk sharing: An application to battery electric vehicles (with Andre Carrel and Lee White)

The impact of coal mining jobs disappearing in Appalachia and economic resilience

AWARDS AND SCHOLARSHIPS Three Minute Thesis: The Ohio State University Wide Competition 2021, 2nd Place

Distinguished University Fellowship, The Ohio State University, 2017-2018 and 2021-2022

CFAES Environmental Graduate Research Fellowship, The Ohio State University, 2018-2019

GRANTS Sustainability Institute, The Ohio State University “What drives battery electric vehicle adoption? The impact of regional differences in carbon dioxide emissions on consumer decisions” - \$5,000; 04/05/2019 to 04/15/2020

Decision Sciences Collaborative, The Ohio State University “Cooperate or punish? An analysis of the public goods game with teams” with Mir Adnan Mahmood - \$2,858; 05/06/2019 to 07/31/2020

Journal of Money, Credit, and Banking, The Ohio State University “Cooperate or punish? An analysis of the public goods game with teams” with Mir Adnan Mahmood - \$2,480; 08/01/2019 to 07/31/2020

PRESENTATIONS 2026: Natural Hazards Workshop Researcher’s Meeting

2025: Natural Hazards Workshop Researcher’s Meeting

2024: Natural Hazards Engineering Research Infrastructure Summit; Natural Hazards Workshop Researcher’s Meeting

2023: Natural Hazards Workshop Researcher’s Meeting, Agricultural and Applied Economics Association

2021: Conference of the International Transportation Economics Association; North American Regional Science Association (accepted)

2020: Online Summer Workshop in Environment, Energy, and Transportation; North American Regional Science Association

2019: North American Regional Science Association

RESEARCH
EXPERIENCE

Project Leadership at NIST

- Circular Economy Battery Electric Vehicles, Project lead 2022-Present
- Economics of Community Resilience Planning, Associate project lead 2022-2023 and acting project lead 2023-present
- Greenhouse Gas Measurement Integration into Economics and Finance, Project lead 2023-2025
- Circular Economy Consumer Perspectives on Plastic Recycling, Project lead 2023-present

Research Assistant, Spring 2021

Columbus Smart Cities Program Evaluation

Elena Irwin, The Ohio State University, Department of Agricultural, Environmental, and Development (AED) Economics

Research Assistant, Summer 2019 - Fall 2020

Ford Alliance Project on Electric Vehicles

Andre Carrel, The Ohio State University, Department of Civil, Environmental, and Geodetic (CEG) Engineering

TEACHING
EXPERIENCE

Adjunct, Johns Hopkins University

AS.440.650.80 - Environmental and Resource Economics, Spring 2026
(masters level, 15 students)

Adjunct, Johns Hopkins University

AS.440.650.80 - Environmental and Resource Economics, Fall 2025
(masters level, 35 students)

Independent Instructor, The Ohio State University

AEDE 4330 - The Sustainable Economy: Concepts and Methods,
Spring 2020 (upper level undergraduate, 27 students)

SERVICE

Diversity, Inclusivity, and Belonging (DIB) Council, Engineering Lab

Co-chair, 2023-2025

Board Member, 2022-2025

AED Economics Graduate Student Association, The Ohio State University

President, 2019-2020

Executive Board Member, 2018-2019

Graduate Women in Economics, The Ohio State University

Founder, 2019

AEDE Representative, 2019-2021

MENTORSHIP

Advisor for:

Three high school students

Two college students
One post-bach research assistant
One post-masters research assistant
One post-doctoral researchers
Co-Advisor for:
One college students
One post-masters researcher
Two post-doctoral researchers

AFFILIATIONS Association of Environmental and Resource Economists; The Regional
Science Association International; International Transport Economics
Association

CITIZENSHIP United States of America

REFERENCES Dr. David Butry, Office Chief, Applied Economics Office
david.butry@nist.gov

Dr. Joshua Kneifel, Deputy Office Chief, Applied Economics Office
joshua.kneifel@nist.gov

Dr. Jennifer Helgeson, Group Leader, Community Resilience Group
jennifer.helgeson@nist.gov