

XIAORUI HUANG

Curriculum Vitae
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Department of Sociology
Boston College
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AREAS OF INTEREST

Environmental Sociology, Political Economy, Global and Transnational Sociology, Sociology of Development, Climate Change, Agrofood Studies, Sustainability Science

EDUCATION

2022 PhD, Sociology, Boston College (In Progress, Expected Spring 2022)

- *Dissertation Title*: “How Do Global Environmentalism, World Economy, and Renewable Energy Development Affect the Three Ways Nations Contribute to Global CO₂ Emissions? A Measurement Proposal and Cross-National Analysis, 1990-2015.”
- *Committee*: Andrew Jorgenson (Chair), Juliet Schor, and Sarah Babb.
- *Comprehensive Exams*: Global and Transnational Sociology (Passed with Distinction, 2018), Environmental Sociology (Passed with Distinction, 2018).

2017 MA, Sociology, Boston College

- *Thesis Title*: “Ecologically Unequal Exchange, Climate Change, and Economic Recessions: The U.S. Experience, 2000-2010.” (Passed with Distinction).
- *Committee*: Andrew Jorgenson (Chair), Juliet Schor.

2014 BS, Sociology & International Studies, University of Oregon (Summa Cum Laude)

PUBLICATIONS

Refereed Journal Articles

Forthcoming Thombs, Ryan, **Xiaorui Huang**, and Jared Fitzgerald. “What Goes Up Might Not Come Down: Modeling Directional Asymmetry with Large N, Large T Data.” *Sociological Methodology*.

2021 Thombs, Ryan P., **Xiaorui Huang**, Andrew K. Jorgenson. “[It’s About Time: How Recent Advances in Time Series Analysis Techniques can Enhance Energy and Climate Research](#).” *Energy Research & Social Science* 72:101882.

Jorgenson, Andrew K., Ryan P. Thombs, Brett Clark, Jennifer E. Givens, Terrence D. Hill, **Xiaorui Huang**, Orla M. Kelly, Jared B. Fitzgerald. “[Inequality Amplifies the Negative Association between Life Expectancy and Air Pollution: A Cross-National Longitudinal Study](#).” *Science of The Total Environment* 758:143705.

2020 Jorgenson, Andrew, Jared Fitzgerald, Ryan Thombs, Terrence Hill, Jennifer Givens, Brett Clark, Juliet Schor, **Xiaorui Huang**, Orla Kelly, and Peter Ore.

[“The Multiplicative Impacts of Working Hours and Fine Particulate Matter Concentration on Life Expectancy: A Longitudinal Analysis of US States.”](#)
Environmental Research 191:110117.

Gareau, Brian J., **Xiaorui Huang**, Tara Pisani Gareau, and Sandra DiDonato. [“The Strength of Green Ties: Massachusetts Cranberry Grower Social Networks and Effects on Climate Change Attitudes and Action.”](#) *Climatic Change* 162: 1613-1636.

- Highlighted in *National Geographic* article titled “Climate change is coming for New England's cranberries”.

2019 Thombs, Ryan, and **Xiaorui Huang**. [“Uneven Decoupling: the Economic Growth/CO₂ Emissions Relationship in the Global North, 1870-2014.”](#)
Sociology of Development 5:410-427.

Givens, Jennifer, **Xiaorui Huang**, and Andrew K. Jorgenson. [“Ecologically Unequal Exchange: A Theory of Global Environmental Injustice.”](#) *Sociology Compass* 13(5):e12693.

2018 Gareau, Brian J., **Xiaorui Huang**, and Tara Pisani Gareau. [“Social and Ecological Conditions of Cranberry Production and Climate Change Attitudes in New England.”](#) *PLOS One* 13(12):e0207237.

Huang, Xiaorui, and Andrew K. Jorgenson. [“The Asymmetrical Effects of Economic Development on Consumption-Based and Production-Based Carbon Dioxide Emissions, 1990-2014.”](#) *Socius* 4:1-10.

- Recipient of 2019 John B. Williamson Award, Sociology Department, Boston College.

Huang, Xiaorui. [“Ecologically Unequal Exchange, Recessions, and Climate Change: A Longitudinal Study.”](#) *Social Science Research* 73:1-12.

- Recipient of 2017 Severyn T. Bruyn Award for Outstanding Scholarship in Social Economy and Social Justice, Sociology Department, Boston College.

2017 Jorgenson, Andrew K., Juliet Schor, and **Xiaorui Huang**. [“Income Inequality and Carbon Emissions in the United States: A State-level Analysis, 1997–2012.”](#) *Ecological Economics* 134:40-48.

- Highlighted in *Nature* (551:S142-S144) “Outlook” Article titled “How Social Scientists Can Help to Shape Climate Policy”.
- Focus of The Climate Blog’s “Research Highlight: The Carbon-Wealth Link” (www.theclimateblog.com)
- Received widespread press coverage, including coverage from Science Daily, Physics.org, Metro.us, United Press International, Alternet, and Voice of America.

2016 Jorgenson, Andrew K., Juliet Schor, Kyle W. Knight, and **Xiaorui Huang**. [“Domestic Inequality and Carbon Emissions in Comparative Perspective.”](#)
Sociological Forum 31:770-786.

2015 Jorgenson, Andrew K., Juliet Schor, **Xiaorui Huang**, and Jared Fitzgerald. [“Income Inequality and Carbon Emissions in the United States: A Preliminary Analysis.”](#) *Human Ecology Review* 22:93-106.

Edited Volumes

Forthcoming Caniglia, Beth, Andrew K. Jorgenson, Stephanie A. Malin, Lori Peek, David N. Pellow, and **Xiaorui Huang**. *Handbook of Environmental Sociology*. Dordrecht, Netherlands: Springer.

Book Chapters

Forthcoming Givens, Jennifer, and **Xiaorui Huang**. "Ecologically Unequal Exchange and Environmental Load Displacement." In *Handbook of Environmental Sociology*. Dordrecht, Netherlands: Springer.

FELLOWSHIPS, AWARDS, AND HONORS

- 2021 Summer Research Fellowship, Sociology Department, Boston College (5,000 USD).
- 2021 Donald J. White Teaching Excellence Award, Boston College.
- 2020 Benedict S. Alper Graduate Fellowship, Sociology Department, Boston College (10,839 USD).
- 2020 Summer Research Fellowship, Sociology Department, Boston College (5,000 USD).
- 2019 John B. Williamson Paper Award, Sociology Department, Boston College.
- 2019 Summer Research Fellowship, Sociology Department, Boston College (5,000 USD).
- 2018 Summer Research Fellowship, Sociology Department, Boston College (5,000 USD).
- 2017 Severyn T. Bruyn Award for Outstanding Scholarship in Social Economy and Social Justice, Sociology Department, Boston College.
- 2017 Ritchie P. Lowry Research Fellowship, Sociology Department, Boston College (5,000 USD).
- 2016 Summer Research Fellowship, Sociology Department, Boston College (5,000 USD).
- 2014 GCSC First-Year Fellowship, Global Change and Sustainability Center, University of Utah (27,000 USD).
- 2014 Highest Honors Distinction, Honors Thesis Program, Sociology Department, University of Oregon.

GRANTS

- 2019 Conference Travel Grant, Graduate School of Arts and Sciences, Boston College.

- 2019 Graduate Research Expense Grant, Sociology Department, Boston College.
- 2018 Conference Travel Grant, Graduate School of Arts and Sciences, Boston College.
- 2018 Open Access Publishing Grant, Boston College.
- 2017 Conference and Research Funding Grant, Graduate Student Association, Boston College.
- 2017 Conference Travel Grant, Graduate School of Arts and Sciences, Boston College.
- 2017 Graduate Research Expense Grant, Sociology Department, Boston College.
- 2016 Conference Travel Grant, Graduate School of Arts and Sciences, Boston College.
- 2015 Sustainable Campus Initiative Fund Micro Grant, Sustainability Resource Center, University of Utah.

RESEARCH EXPERIENCE

- 2017-2020 Research Assistant, Sociology Department & Earth and Environmental Sciences Department, Boston College. Project: “Massachusetts Cranberries: Sustaining a Native Production System amidst a Changing Climate.” Co-PI: Brian J. Gareau, Tara Pisani Gareau.
- 2016 Research Assistant, Sociology Department, Boston College. Project: “Olympic Games, Transnational Politics of the Environment and Ecological Injustices: Japan and South Korean Cases.” PI: Kyoung-yim Kim.
- 2014-2015 Graduate Research Fellow, Global Change and Sustainability center, University of Utah.
- 2012 Research Assistant, Political Science Department, University of Oregon. Project: “[International Environmental Agreements Database Project](#).” PI: Ronald Mitchell.

CONFERENCE PRESENTATIONS

- 2021 **Huang, Xiaorui.** “How does the structure of global economy and trade affect nations’ responsibility for climate change mitigation?” Paper accepted as part of an environmental sociology roundtable session on Climate Change Mitigation & Adaptation at the Annual Meeting of the American Sociological Association, virtual conference.
- 2020 **Huang, Xiaorui.** “The Multi-Dimensionality of Nations’ Responsibilities for Climate Change Mitigation.” Paper accepted as part of an environmental sociology roundtable session at the Annual Meeting of the American

Sociological Association, San Francisco, CA, USA. (cancelled due to COVID-19.)

Huang, Xiaorui. “How Does the Development of Renewable Energy Affect Global Climate Justice? A Cross-national Study.” Paper accepted as part of a critical dialogue session on Technology and Justice at the Annual Meeting of the Society for the Study of Social Problems, San Francisco, CA, USA. (cancelled due to COVID-19.)

Thombs, Ryan, and **Xiaorui Huang.** “The Growth Question: What the Past Tells Us about the Future and the Possibility of Green Growth?” Paper presented at the Power/Dependency Workshop at the Institute for Research on World-Systems, University of California-Riverside, Riverside, CA, USA.

2019 Thombs, Ryan, and **Xiaorui Huang.** “Carbon Regimes: A Cross-National Study of the Economic Growth/CO2 Emissions, 1870-2014.” Paper presented as part of a roundtable at the Annual Meeting of the American Sociological Association, New York City, NY, USA.

2018 **Huang, Xiaorui,** and Andrew K. Jorgenson. “The Asymmetrical Effects of Economic Development on Consumption-Based and Production-Based Carbon Dioxide Emissions.” Paper presented as part of a panel at the XXIII International Conference of the Society for Human Ecology, Lisbon, Portugal.

2017 **Huang, Xiaorui.** “Ecologically Unequal Exchange, Climate Change, and Economic Recessions: the U.S. Experience 2000-2010.” Paper presented as part of a panel on Energy and Inequality of the Section on Environment and Technology at the Annual Meeting of the American Sociological Association, Montreal, Québec, Canada.

2016 **Huang, Xiaorui.** “The Intensity of the Ecologically Unequal Exchange during Economic Recessions in the United States.” Paper presented as part of a panel on Climate Change and Environmental Discourse at the Annual Meeting of the Society for the Study of Social Problems, Seattle, WA, USA.

Huang, Xiaorui. “Ecologically Unequal Exchange during the U.S. Economic Recessions.” Paper presented as part of a roundtable at the Annual Meeting of Eastern Sociological Society, Boston, MA, USA.

TEACHING EXPERIENCE

2019-Present Instructor, Sociology Department, Boston College.
Environmental Sociology [Fall 2020 (2 Sessions), Fall 2019, Spring 2019 (2 Sessions)]
Introductory Sociology [Spring 2020]
Society and Environmental Transformation [Summer 2019]

2016-2018 Teaching Assistant, Sociology Department, Boston College.
Sociology courses:
Sociological Theory
Statistics

Select Topics in Environmental Studies

2015-2016 Lab Instructor, Core Curriculum, Boston College.
Interdisciplinary courses:
Global Implications of Climate Change
Planet in Peril: The History and Future of Human Impacts on the Planet

PROFESSIONAL, DEPARTMENTAL, AND UNIVERSITY SERVICE

2019 Panel Presider, “Open Topic on Sociology of Development”, Section on the Sociology of Development, the Annual Meeting of the American Sociological Association, New York City, New York.

2018-2020 Graduate Student Representative to the Graduate Studies Committee, Sociology Department, Boston College.

2014 Assistant to Managing Editor, *Sociological Perspectives*, Pacific Sociological Association.

RELATED PROFESSIONAL SKILLS AND TRAINING

Data Science: Input-Output Analysis, Longitudinal Regression Analysis, Categorical Regression Analysis, Hierarchical Linear Modeling, Structural Equation Modeling, Quantitative Data Management.

Software and Programming: Stata, Python, Jupyter Notebook.

Pedagogy: Apprenticeship in College Teaching Certificate Program, the Center for Teaching Excellence, Boston College (2021).

Industrial Ecology: Industrial Ecology Open Online Program, Faculty of Environment and Natural Resources, the University of Freiburg (2021).

LANGUAGES

Fluent in English and Mandarin Chinese.

CURRENT PROFESSIONAL MEMBERSHIPS

American Sociological Association
Section on Environmental Sociology
Section on Sociology of Development

International Sociological Association
Research Committee 24: Environment and Society

Society for the Study of Social Problems
Environment and Technology Division
Global Division

REFERENCES

Andrew K. Jorgenson, Ph.D.

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