

CURRICULUM VITA

ANTHONY UNDERWOOD

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CURRENT POSITION

Chair, Economics, Dickinson College, 2019-

Associate Professor, Economics, Dickinson College, 2019-

Contributing Faculty, Data Analytics, Dickinson College, 2020-

Contributing Faculty, Social Innovation and Entrepreneurship, Dickinson College, 2017-

Assistant Professor, Economics, Dickinson College, 2013-2019.

Courses taught:

ECON 111: Introduction to Microeconomics

ECON 214: Introduction to Economic Demography (as part of Carlisle Mosaic)

ECON 214: Statistical Methods in Economics

ECON 222: Environmental Economics

ECON 298: Econometrics

ECON 314: Urban Economics

ECON 398: Advanced Econometrics

ECON 496: Senior Seminar: Economic Demography & Sustainable Development

First-Year Seminar: Population & Sustainability (Fall 2015)

First-Year Seminar: Calling Bulls**t: Fighting for Facts in a Post-Truth World (Fall 2021)

SINE 201: Introduction to Social Innovation & Entrepreneurship

EDUCATION

Ph.D., Economics, Colorado State University, 2013.

M.A., Economics, Colorado State University, 2008.

B.A., Economics, Purdue University North Central, 2006.

WORKING PAPERS

“Teaching Reproducible Methods in Economics at Liberal Arts Colleges” with Aidan Sichel and Emily Marshall (working paper)

“Requirements of the Undergraduate Economics Major: A Comprehensive Evaluation” with Abigail Hyde and Emily Marshall. (under review)

“Natural Disasters and Household Debt: Evidence from U.S. Counties” with Emily Marshall, Daniel Byun, and Yanqing Zhao. (working paper)

PEER-REVIEWED PUBLICATIONS

- Is Economics STEM? Process of Reclassification, Requirements, and Quantitative Rigor. (2022). *Journal of Economic Education*. doi: 10.1080/00220485.2022.2075508 [with Emily Marshall]
- Is economics STEM? Trends in the discipline from 1997 to 2018. (2020). *Journal of Economic Education*. doi: 10.1080/00220485.2020.1731387 [with Emily Marshall]
- Work hours and CO₂ emissions: Evidence from U.S. households. (2019). *Review of Political Economy*, 30(1):42-59. doi: 10.1080/09538259.2019.1592950 [with Anders Fremstad and Mark Paul]
- Writing in the discipline and reproducible methods: A process-oriented approach to teaching empirical undergraduate economics research. (2019). *Journal of Economic Education*, 50(1): 17-32. doi: 10.1080/00220485.2018.1551100. [with Emily Marshall]
- Does sharing backfire? A decomposition of household and urban economies in CO₂ emissions (2018). *Energy Policy*, 123: 404-413. doi: 10.1016/j.enpol.2018.09.012. [with Anders Fremstad]
- The environmental impact of sharing: household and urban economies in CO₂ emissions. (2018). *Ecological Economics*, 145: 137-147. doi: 10.1016/j.ecolecon.2017.08.024. [with Anders Fremstad and Sammy Zahran]
- The carbon implications of declining household scale economies. (2015). *Ecological Economics*, 116, 182-190. doi: 10.1016/j.ecolecon.2015.04.028. [with Sammy Zahran]
- Evidence that the Accuracy of Self-Reported Lead Emissions Data Improved: A Puzzle and Discussion. (2014). *Journal of Risk and Uncertainty*, 49(3): 235-257. doi: 10.1007/s11166-014-9204-1. [with Sammy Zahran, Terry Iverson, and Stephan Weiler]
- Effect of Natural Disasters on Local Nonprofit Activity. (2014). *Growth and Change*, 45(4): 590–610. doi: 10.1111/grow.12056. [with Anita Pena, Sammy Zahran, and Stephan Weiler]

PRESENTATIONS

- “Teaching Reproducible Methods in Economics at Liberal Arts Colleges”, presented at:
Conference on Teaching and Research in Economic Education (CTREE), Chicago, IL. June 2, 2022.
Southern Economic Association (SEA) Conference, Ft. Lauderdale, FL. November 20, 2022.
- “Requirements of the Undergraduate Economics Major: A Comprehensive Evaluation”, presented at:
Conference on Teaching and Research in Economic Education (CTREE), Virtual. June 2, 2021.
Southern Economic Association (SEA) Conference, Houston, TX, November 22, 2021.
American Economic Association Annual Meeting, New Orleans, LA. January, 2023.

“Is Economics STEM? Process of Reclassification, Requirements, and Quantitative Rigor”, presented at Southern Economic Association Conference, Ft. Lauderdale, FL, November 23, 2019.

“Is Economics STEM? Trends in the Discipline from 1997 to 2017”, presented at:

Conference on Teaching and Research in Economic Education (CTREE), St. Louis, MO, May 30, 2019. (presented by coauthor, Emily Marshall)

Eastern Economic Association Conference, New York, NY. March 2, 2019.

“Natural Disasters and Household Debt: Evidence from U.S. Counties” presented by co-author Yanqing Zhao, at:

Eastern Economic Association Conference, New York, NY. March 1, 2019.

“Work Hours and CO₂ Emissions: Evidence from U.S. Households” presented by co-author Anders Fremstad, at Eastern Economic Association Conference, Boston, MA. March 4, 2018.

“Writing in the discipline and reproducible methods: A process-oriented approach to teaching empirical undergraduate economics research”, presented at:

Teach ECONference, Centre for Teaching and Learning Economics, University College London, Virtual, June 29, 2021.

TIER Fall 2018 Faculty Development Workshop, Haverford College, Haverford, PA. November 3, 2018

Teaching the WiD Course. Dickinson College. Carlisle, PA. August 21, 2018.

Conference on Teaching and Research in Economic Education (CTREE), San Antonio, TX. May 30, 2018.

National Economics Teaching Association Conference, Indianapolis, IN. Nov. 9, 2017.

Professors Conference, Federal Reserve Bank of St. Louis, St. Louis, MO. Nov. 2, 2017.

“Household and Urban Economies in CO₂ Emissions: A Decomposition and Rebound Effect Analysis” presented at Fall Seminar Series, Department of Economics, Colorado State University, Fort Collins, CO. September 8, 2017.

“Decomposing household and urban economies in CO₂ emissions” presented at Eastern Economic Association Conference, New York, NY. February 25, 2017.

“The Climate Co-benefits of Obesity Reduction”, presented at:

American Economic Association Annual Meeting, San Francisco, CA. January 3, 2016.

Canadian and United States Societies for Ecological Economics Joint Biennial Conference, Vancouver, BC, Canada. October 3, 2015.

“Global Energy Use and Emissions Trends: The Potential Impacts of Institutional Fossil-Fuel Divestment”, invited presentation to Sustainable Investments Task Force, Dickinson College, August 27, 2013.

“The Impact of Demographic Change on Economies of Scale in Household Expenditures and CO₂ Emissions”, presented at:

Agricultural Economics and Economics Graduate Student Symposium, Colorado State

University, February 15, 2013.

Department of Economics Seminar Series, Colorado State University, November 9, 2012.

Western States Graduate Student Workshop, University of Utah, October 20, 2012.

“U.S Carbon Intensity of Consumption: The Importance of Age Structure and Life Cycle Consumption in Climate Policy Incidence” presented at the Departments of Agricultural Economics and Economics Graduate Student Symposium, Colorado State University, February 10, 2012.

TECHNICAL REPORTS

“Measuring Progress Towards a Green Economy,” Samuel G Evans and Anthony Underwood, International Union for the Conservation of Nature (IUCN) Technical Report, January 2012.

PROFESSIONAL ACTIVITIES

Journal Peer-Review

Ecological Economics

Environment, Development and Sustainability

Environmental Science and Policy

Journal of Cleaner Production

International Review of Economics Education

Journal of Environmental Assessment Policy and Management

Population and Environment

Nature Climate Change

Nature Energy

Memberships

American Economic Association (AEA)

Population-Environment Research Network (PERN)

United States Society for Ecological Economics (USSEE)

Professional Development

Pennsylvania Consortium on the Liberal Arts, Department Chair Workshop, Franklin & Marshall College, May 2019.

Clarke Forum Faculty Seminar on Sustainability, Spring 2019.

Writing with Numbers, Faculty Learning Community in Writing, 2018-2019.

Co-Chair, Clarke Forum Faculty Seminar on Big Data, Fall 2017.

Willoughby Institute for Teaching with Technology, Dickinson College, August 2016.

TIER (Teaching Integrity in Empirical Research) Workshop, Haverford College, April 2016.

Valley & Ridge, Faculty Study Group in Sustainability, Dickinson College, June 2015.

How Learning Works, Faculty Workshop, Dickinson College, June 2015.

Contributing Faculty, Social Innovation and Entrepreneurship

HONORS & AWARDS

“Outstanding Graduate Student Teaching”, Department of Economics, Colorado State University, 2011-2012 Academic Year.

“College of Liberal Arts Excellence in Teaching” Nominee, Colorado State University, 2012.