

CURRICULUM VITAE

ANTHONY UNDERWOOD

Department of Economics | Dickinson College
P.O. Box 1773 | Carlisle, PA 17013
underwoa@dickinson.edu | 717-245-1782



EMPLOYMENT

Assistant Professor, Economics, Dickinson College, 2013 to present.

Courses taught: ECON 111: Introduction to Microeconomics
ECON 214: Statistical Methods in Economics
ECON 222: Environmental Economics
ECON 374: Econometrics
ECON 496: Economic Demography & Sustainable Development
FYS 120: First-Year Seminar: Population & Sustainability

EDUCATION

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

Dissertation: "Household Carbon Dioxide Emissions in the United States: The Role of Demographic Change"

Primary Fields: Environmental and Natural Resource Economics; Applied Econometrics

Co-advisors: Dr. Robert Kling and Dr. Sammy Zahran, Colorado State University

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

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

TEACHING INTERESTS

- Environmental Economics
- Ecological Economics
- Applied Econometrics
- Natural Resource Economics
- Demography/Population Economics
- Microeconomic Theory
- Quantitative Methods/Statistics

RESEARCH INTERESTS

- Human drivers of greenhouse gas emissions
- Intra- and inter-household preference formation
- Demographic change and sustainable development
- Climate and energy policy
- Income inequality and interdependent preferences

WORKING PAPERS

“Writing in the discipline and reproducible methods: A process-oriented approach to teaching empirical undergraduate economics research” with Emily Marshall.

“Household and Urban Economies in CO₂ Emissions: A Decomposition and Rebound Effect Analysis” with Anders Fremstad.

PEER-REVIEWED PUBLICATIONS

Fremstad, A., Underwood, A. and Zahran, S. (2018). The environmental impact of sharing: household and urban economies in CO₂ emissions. *Ecological Economics*, 145, 137-147. doi: 10.1016/j.ecolecon.2017.08.024

Underwood, A. and Zahran, S. (2015). The carbon implications of declining household scale economies. *Ecological Economics*, 116, 182-190. doi: 10.1016/j.ecolecon.2015.04.028

Zahran, S., Iverson, T., Weiler, S. and Underwood, A. (2014). Evidence that the Accuracy of Self-Reported Lead Emissions Data Improved: A Puzzle and Discussion. *Journal of Risk and Uncertainty*, 49(3): 235-257. doi: 10.1007/s11166-014-9204-1

Pena, A. A., Zahran, S., Underwood, A. and Weiler, S. (2014), Effect of Natural Disasters on Local Nonprofit Activity. *Growth and Change*, 45(4): 590–610. doi: 10.1111/grow.12056

PRESENTATIONS

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

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

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

“Household and Urban Economies in CO₂ Emissions: A Decomposition and Rebound Effect Analysis”

Fall Seminar Series, Department of Economics, Colorado State University, Fort Collins, CO. September 8, 2017.

“Decomposing household and urban economies in CO₂ emissions”

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”, 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

Journal of Cleaner Production

Journal of Environmental Assessment Policy and Management

Nature Climate Change

Memberships

American Economic Association (AEA)

Population-Environment Research Network (PERN)

United States Society for Ecological Economics (USSEE)

Professional Development

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.