

Sonja H. Kolstoe

CONTACT INFORMATION	Department of Economics and Finance Salisbury University Perdue Hall, 1101 Camden Avenue Salisbury, MD 21801-3524 USA	Work: (410) 548-3524 E-mail: shkolstoe@salisbury.edu Website: www.sonjakolstoe.com
ACADEMIC POSITIONS	Assistant Professor of Economics, Salisbury University (August 2016 - present) Joint Appointment with the Department of Environmental Studies Research Associate (by courtesy), Department of Economics, University of Oregon (August 2016 - present)	
EDUCATION	University of Oregon , Eugene, Oregon Ph.D., Environmental Sciences, Studies and Policy, June 2016 Focal Department: Economics (full complement of Economics Ph.D. courses ¹) Economic Fields: Environmental, Public & Applied Econometrics Interdisciplinary Concentration Areas: Ecology and Public Policy ² Dissertation Committee: Trudy Ann Cameron (chair), Ralph Mastrotonaco, Wesley Wilson, Scott Bridgham and Dan Gleason M.S., Economics, September 2013 University of Nevada, Las Vegas , Las Vegas, Nevada M.A., Economics, December 2011 Washington State University , Pullman, Washington B.S., Biology, May 2010, <i>cum laude</i> Minor: French and Economics	
FIELDS	Environmental Economics, Public Economics and Applied Econometrics	
RESEARCH	<i>Publications</i> Kolstoe, S., Cameron, T.A. and Wilsey, C.B. (2018) "Climate policy, land cover, and bird populations: Differential Impacts on the Future Welfare of Birders in the Pacific Northwest," <i>Agricultural and Resource Economic Review</i> , 47(2), 272-310. Kolstoe, S., and Cameron, T.A. (2017) "The Non-market Value of Birding Sites and the Marginal Value of Additional Species: Biodiversity in a Random Utility Model of Site Choice by eBird Members," <i>Ecological Economics</i> , 137, 1-12. Riddel, M., and Kolstoe, S. (2013) "Heterogeneity in Life-duration Preferences: Are Risky Recreationists really more Risk Loving?," <i>Journal of Risk and Uncertainty</i> , 46(2), 191-213. <i>Working Papers</i> Kolstoe, S., and Cameron, T.A. (2018) "Blending Supplementary Surveys with Citizen Science Data to Estimate Representative Use Values for Non-market Environmental Goods: An eBird Example."	

¹Completed first year core sequences of Microeconomics Theory, Macroeconomics Theory, and Econometrics as well as field courses in Time Series Econometrics, Microeconometrics, Bayesian Econometrics, Public Economics, Game Theory, Taxation, Environmental Economics and Natural Resource Economics

²Concentration Area Coursework: Terrestrial Ecosystem Ecology; Population Ecology; GIS I; Python Programming GIS; Natural Resource Policy; Public Policy Analysis; Geography, Law & Environment

Draft Manuscripts

Kolstoe, S. "Low-Snowpack and Wildfires: A Welfare Double-Edged Sword for Hikers

Kolstoe, S., Chaudhry, A. and Tsournos, P. "Salmon are King: A Recreational Site-Choice Model of Fishing during an Extreme and Prolonged Drought"

Works in Progress

Kolstoe, S. and Cameron, T.A. "Exploring Preferences of eBirders over Backyard and Local Birds, A Stated Preference Approach."

Kolstoe, S., and Cameron, T.A. "How Citizen Science Can Be Used By Social Scientists to Understand the Non-Market (Use) Value of Environmental Goods: An eBird and Wildfire Example"

Kolstoe, S. and Cameron, T.A. "Rendering Citizen Science Data more Useful for Welfare Analysis: Correcting for Avidity Bias in Member Participation Rates"

Kolstoe, S. and Cameron, T.A. "Wildfires, Air Quality and Birding: How Participation Changes"

Kling, D., Nguyen, T. and Kolstoe, S. "Unpacking Sample Selection Bias in Destination Site Choices: A Simulation Exercise."

FIELD RESEARCH EXPERIENCE *Survey Administration and Focus Groups*

Focus groups/talk alouds, Salisbury, MD, June 2018 - present

Survey administration, Las Vegas, NV, 2011

Biology Field Research

Prepared, deployed and recovered deep-sea experiments, Ray Lee Laboratory, Washington State University, *R/V Atlantis*, 2009 & 2010

PRESENTATIONS *Conference Presentations*

"Rendering Citizen Science Data more Useful for Welfare Analysis: Correcting for Avidity Bias in Member Participation Rates," to be presented at the Southern Economic Association Conference. Washington, DC, November 17-20, 2018.

"Wildfires, Air Quality and Birding: How Participation Changes," to be presented at the Southern Economic Association Conference. Washington, DC, November 17-20, 2018.

"Blending Supplementary Surveys with Citizen Science Data to Estimate Representative Use Values for Non-market Environmental Goods: An eBird example," presented at the 6th World Congress of Environmental and Resource Economists. Gothenburg, Sweden, June 25-29, 2018.

"Blending Supplementary Surveys with Citizen Science Data to Estimate Representative Use Values for Non-market Environmental Goods: An eBird example," presented at the Society for the Benefit-Cost Analysis Conference. Washington, DC, March 14-16, 2018.

"Low Snowpack and Wildfires: A Double-Edged Sword for the Welfare of Hikers", presented at the Southern Economic Association Conference. Tampa, FL, November 17-19, 2017.

"Supplementing eBird Citizen Science Data with Auxiliary Surveys of Participants: New Insights Concerning the Determinants of Birding Destination Choice by Birders," presented a poster at the NAREA Conference. Washington, D.C., June 11-14, 2017.

"Supplementing eBird Citizen Science Data with Auxiliary Surveys of Participants: New Insights Concerning the Determinants of Birding Destination choice by Birders," presented at the Society for Benefit-Cost Analysis Conference. Washington, D.C., March 16-17, 2017.

“The Value of Birds to eBirders: Exploring Citizen Science Data using a Recreational Site Choice Model,” presented at the Southern Economic Association Conference. Washington, D.C., November 19-21, 2016.

“Welfare Effects and Consequences for Birders from Changes in Site Attributes,” presented at the Western Economic Association International, Portland, OR, June 29- July 2, 2016.

“Modeling Recreation Behavior of Bird Watchers with Data from a Citizen Science Project,” presented at the Agricultural & Applied Economics Association, San Francisco, CA, July 26-28, 2015.

“Exploring Systematic Differences in the Value to Birders of Species Biodiversity: A RUM Study of Site Choice by eBird Participants,” presented a poster at the Association of Environmental and Resource Economists, San Diego, June 3-5, 2015.

“The Value of Avian Biodiversity to Recreational Birders: A Random Utility Model of Site Choice by eBird Participants,” presented at the Society for Benefit-Cost Analysis, Washington D.C., March 18-20, 2015.

“The Value of Biodiversity: Birders WTP for Species Abundance,” presented at the Western Economic Association International, Denver, CO, June 27-July 1, 2014.

Workshop Presentations

“Low-Snowpack and Wildfires: A Welfare Double-Edged Sword for Hikers,” presented at the Heartland Workshop, Urbana-Champaign, IL, September 29-30, 2018.

“Exploring the Heterogeneity of Preferences of Recreationalists for Recreational Sites along the Sacramento River,” presented at the W4133 Workshop, Austin, TX, February 21-23, 2018.

“Basics about Dealing with Spatial Data,” presented at the Mikesell Environmental and Resource Economics Workshop at the University of Oregon. Eugene, OR, January 19, 2018

“Climate Policy, Land Cover, and Bird Populations: Forecasting Impacts on the Future Welfare of Birders in the Pacific Northwest,” presented at the NAREA Workshop. Washington, D.C., June 14-15, 2017.

“The Value of Bird Biodiversity to eBirders: Exploring Citizen Science Data using a Recreational Site Choice Model,” presented at the W3133 Workshop, Portland, OR, February 25-26, 2016.

“Using Citizen Science Data to Measure the Value of Birds to Birdwatchers,” presented at the Oregon Resource and Environmental Economics Workshop. Salem, OR, October 2, 2015.

“Exploring Systematic Differences in the Value to Birders of Species Biodiversity: a RUM Study of Site Choice by eBird Participants,” presented at the Camp Resources, Asheville, NC, August 2-4, 2015.

Invited Presentations

“How Citizen Science Can Be Used By Social Scientists to Understand the Non-Market (Use) Value of Environmental Goods: An eBird and Wildfire Example ,” Resources for the Future, Washington D.C., November 1, 2018.

“Citizen Science and an Application to Environmental Economics: An eBird Example,” invited to present to teachers and outdoor educators participating in a multi-day training by the Ward Museum and Safe Skies Maryland and the Maryland Association for Environmental and Outdoor Education, Salisbury, MD, August 22, 2018.

“Blending Supplementary Surveys with Citizen Science Data to Estimate Representative Use Values for Non-market Environmental Goods: An eBird example,” at University of Delaware, April 18, 2018.

“Blending Supplementary Surveys with Citizen Science Data to Estimate Representative Use Values for Non-market Environmental Goods: An eBird example,” at DePauw University, April 6, 2018.

“Valuing Non-Market Goods and Services, Work of a Biologist Turned Environmental Economist,” invited to present as part of Environmental Fellows Program, at DePauw University, April 5, 2018.

“Supplementing eBird Citizen Science data with auxiliary surveys of participants: New insights concerning the determinants of birding destination choice by birders,” invited seminar at Clarkson University, November 10, 2017.

“Supplementing eBird Citizen Science data with auxiliary surveys of participants: New insights concerning the determinants of birding destination choice by birders,” presented at California State University, Chico, Chico, CA, March 24, 2017.

“Using Citizen Science Data to Measure the Value of Avian Biodiversity to Birdwatchers,” presented at Pennsylvania State University, University Park, PA, February 4, 2016.

“Using Citizen Science Data to Measure the Value of Avian Biodiversity to Birdwatchers,” presented at Salisbury University, Salisbury, MD, January 29, 2016.

Panels

“How to Take Your Research From the Drawing Board to Print,” moderated and led the organization of the panel on behalf of the 2017 CAM Fellows, Northeastern Agricultural and Resource Economics Association Conference, Philadelphia, PA, June 10-12, 2018.

“The Value of Birds: Diverse Perspectives on Biodiversity,” panelist, panel for the Ward Museum event. Salisbury, MD, March 9, 2018.

“Teaching Environmental Economics and Policy in a Politically Fractured World,” panelist, panel for the Southern Economic Association Conference. Tampa, FL, November 17-19, 2017.

Public Talks

“Losing land, Losing Birds: Climate Change and Our Wildlife,” Co-Keynote Speaker, Ward Museum, Salisbury, MD, Scheduled for November 30th, 2018.

“Valuing Bird Biodiversity Using Citizen Science Data from eBird,” Salisbury University’s Environmental Studies Faculty Lecture Series, Ocean Pines, MD, October 6, 2017.

“Using (eBird) Citizen Science Data to Measure the Value of Avian Biodiversity to Birdwatchers”, Co-Keynote Speaker for the Valuing Bird Biodiversity Using Citizen Science Event, Ward Museum, Salisbury, MD, March 10, 2017.

OTHER PROFESSIONAL EXPERIENCE

Committee

Northeastern Agricultural and Resource Economics Association:
Career Advancement and Mentoring Program Committee
Selected Papers Committee

Referee

Agricultural and Resource Economics Review
American Journal of Agricultural Economics
Ecological Applications
Human Dimensions of Wildlife
Landscape and Urban Planning

Marine Resource Economics

Reviewer

Agricultural and Applied Economics Association 2017 and 2019 Conference, Environmental and Non-market Valuation
Northeastern Agricultural and Resource Economics Association 2018 and 2019 Conference

University Service

Department of Economics and Finance Seminar Coordinator
Faculty Representative for the Udall Scholarship for Salisbury University
Environmental Studies Department Fulton Exchange Coordinator
High Performance Computing Lab Steering Committee

Professional Development

Career Advancement and Mentoring Program, 2017 Cohort, Northeastern Agricultural and Resource Association
Writing Across the Curriculum, Spring 2017, Salisbury University
Honors Faculty Fellowship, Fall 2017, Salisbury University
Civic Engagement Across the Curriculum, Fall 2018, Salisbury University

FELLOWSHIPS AND AWARDS The Mikesell Research Paper Award, University of Oregon, June 2015
Graduate Teaching Fellowship, Department of Economics, University of Oregon, 2011-2014, Summer & Fall 2015
Graduate Teaching Fellowship, Environmental Studies, University of Oregon, Winter 2014, Winter & Spring 2015, Winter & Spring 2016
Graduate Assistantship, Department of Economics, University of Nevada Las Vegas, 2010-2011
UNLV Access Grant - Graduate, University of Nevada Las Vegas, 2010-2011
President's Honor Roll Washington State University, 2009-2010
Biology Merit Award, School of Biological Sciences, Washington State University, 2009
Student Leadership Award, School of Biological Sciences, Washington State University, 2009
Development Award, Honors College, Washington State University, 2008
Outstanding Third-Year French student, Department of Foreign Languages, Washington State University, 2007
University Achievement Award, Washington State University, 2006-2008

TEACHING EXPERIENCE

Salisbury University

Principles of Microeconomics, ECON 211 (students: 26-33)
Intermediate Microeconomics, ECON 311 (students: 10-26)
Principles of Environmental Economics, ENVR 210 (students: 25-30)

University of Oregon

Using Market Instruments to Improve Environmental Outcomes, ENVS 411 (students: 10)
Labor Market Issues, EC 350 (students: 50-56)
Environmental and Resource Economic Issues, EC 333 (students: 60-85)
Principles of Microeconomics, EC 201 (students: 49)

SOFTWARE

ArcGIS, QGIS, Python, Google Earth Engine, L^AT_EX, STATA, Matlab, Qualtrics and R

MEMBERSHIPS

American Economic Association
Agricultural and Applied Economics Association
Association of Environmental and Resource Economists
European Association of Environmental and Resource Economists

Northeastern Agricultural and Resource Economics Association
Professional Ski Instructors of America, Pacific Northwest Division
Society for Benefit-Cost Analysis
Southern Economic Association

CITIZENSHIP USA and France

LANGUAGES English and French
Diplôme Approfondi de la Langue Française C1, May of 2008 (College-Level)