Ashley Lowe Mackenzie

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EDUCATION

Oregon State University   Corvallis, OR
Ph.D Candidate, Applied Economics   *2017-Present*
- Thesis: Understanding the New Outdoor Recreation Paradigm in the era of social media and COVID-19
- Fields: Environmental and Natural Resource Economics, Spatial and Behavior Methods, Microeconomics, Econometrics, Behavioral Economics, Recreational Ecology, GIS

Oregon State University   Corvallis, OR
Masters of Science Applied Economics   *2020*

Portland State University   Portland, OR
Bachelor of Science in Economics   *2008-2011*
- Fields: Microeconomics, Macroeconomics, Econometrics, Game Theory, History of Economic Thought, Institutional economics, Comparative economics, Statistics

Portland Community College   Portland, OR
Associates of Art focus in Economics   *2004-2007*

RESEARCH

Working Paper

- Lowe Mackenzie, A., S. J. Dundas, and B. Zhao. The Instagram Effect: Is Social Media Influencing Visitation to Public Land? Revisions requested at *Land Economics*.
- Olsen, M. J., J Allan, S. J. Dundas, A. Lowe Mackenzie, M. Krivova, A. Senogles, B. A. Leshchinsky, J. Hermann, and C. Parrish. US Highway 101 Coastal Hazard Vulnerability and Assessment for Mitigation Prioritization, Oregon Department of Transportation Project, Federal Highway Administration, Project SPR-843.

Work in Progress

- Extracting Meaning from Social Media Text: Implications for National Park Visitation
- Estimating the Welfare Effects of COVID-19 on Outdoor Recreation
- Estimating the impacts of removing Oregon's severance tax on large industrial timber harvesting in 1999.

TEACHING AND RESEARCH EXPERIENCE

Instructor of Record   2020
Oregon State University
- AEC 253 Environmental Law, Policy and Economics   *Ecampus*
  * Instructor Rating 5.5/6 *(Dept.mean 5.1)*   *Ecampus*

Graduate Teaching Assistant   2018 – Present
Oregon State University
- AEC 525 Applied Econometrics
  * Graduate level lab teaching econometric commands in STATA
- AEC 447 Agriculture Price and Market Analysis
- AEC/ECON 432 Environmental Law   *Ecampus* **& On-campus**
- AEC 388 Agricultural Law   *Ecampus* **& On-campus**
- AEC/ECON 352 Environmental Economics and Policy
- SUS 350 Sustainability Communities (**3quarters**)   *Ecampus*
  * Including a role in developing a new canvas course material on Canvas.
- SUS 304 Sustainability Assessment (**3quarters**)   *Ecampus*
- AEC 253 Environmental Law, Policy and Economics (**3quarters**)   *Ecampus* **& On-campus**

* In-class conducting Pollution Control Games, highlighting the difference between command and control, taxes, and Cap&Trade.
- AEC 122 Introduction to Climate Change Economics and Policy   *Ecampus* & On-campus

Graduate Research Assistant   2021-2022
Oregon Department of Transportation

- Project looked at potential impacts from highway infrastructure failures stemming from coastal erosion and policy conflicts. My responsibility included developing of a cost benefit framework which included both market and non-market valuation methods to better understand potential adaptation strategies. Methods employed included travel cost, emission through the social cost of carbon and permanent changes to ecosystem services to further understand potential cost and benefits.

Undergraduate Grader   2009-2010
Portland State University

- STAT 105 Criminology Statistics

Scholarship & Funding

Eric Englund Fellowship	2022-2023
D. Barton DeLoach Graduate Scholarship in Economics	2020-21
Lincoln County Foundation Hall Family Trust Scholarship	2017, 2019
Lincoln County Foundation Mark Dimock Scholarship	2017
OSU Emery Castle Scholarship in Economics	2017
Newport, OR VIDA Education Savings Program	2009-10
Newport High School Doerfler Newport High School Scholarship	2009

Technical Skills

Programming & Markup Languages: Python, JavaScript, CSS, R, Matlab, HTML, markdown
Open Source: Atom, QGIS, Rstudio, Latex
Software Packages: Stata, ArcGis, Final Cut, Matlab
Developer Tools: Git, Github
Libraries :

- File Directories : macOS, Microsoft Windows, Ubuntu/Unix
- JavaScript: D3.js, C3.js, bootstrap, Leaflet, JQuery, dc.js
- R : tidyverse, dplyr, tidyr, stringr, ludridate, ggplot2
- Python : pandas, pip, NumPy, Matplotlib

Personal Achievements

Thru-Hike Pacific Northwest Trail	Jun-Aug. 2022
Montana, Idaho & Washington - 1,200 miles	
Thru-Hike Continental Divide Trail	Jun-Nov. 2014
Montana, Wyoming, Colorado & New Mexico - 3,000 miles	
Thru-Hike Pacific Crest Trail	Apr.-Oct 2011
California, Oregon & Washington - 2,660miles	
Video Production	2016
Production Betty Ann Coates	

Non-Academic Experience

Outdoor Recreation Economic Initiative 2020-2021
Oregon State University
- Data Analyst Consultant, Dashboard and Database Designer
- Qualtrics Survey & webmapping, C3,D3, Leaflet
- Websites : [Covid Impact on Outdoor Economy](#)
- Websites : [Outdoor Recreation and the Land and Water Conservation Fund](#)

Oregon Parks and Recreational Department Summer 2013, 2014 & 2019
Salem and Oregon Coast
- Contractor - Data Analyst
- Park Ranger Assistant

T Lazy 7 Ranch Winter 2013
Snowmobile Company Tour Guide Aspen, CO
- Provided information on cultural, historical and contemporary heritage about Maroon Bells-Snowmass Wilderness to people on organized tours and individual clients.

Denali ATV Adventure Summer 2012
ATV Tours Healy, AK
- Provided information on cultural, historical and contemporary heritage about Denali National Park to people on organized tours and individual clients.

Valhalla Lodge Summer 2009
Nondalton, AK
- Remote fly-in lodge providing customer service and information on Lake Clark National Preserve.

Yukon River Camp Summer 2008
Dalton Hwy, AK
- Mile 56 Dalton Hwy near the arctic circle. Provided information on cultural, historical and contemporary heritage to visitors about the Gates of the Arctic Wilderness.