

# Ashley C. Lowe Mackenzie

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## EDUCATION

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| <b>Oregon State University</b><br><i>Ph.D Candidate, Applied Economics</i>  | Corvallis, OR<br>2017-Present |
| <ul style="list-style-type: none"><li>• Thesis: Understanding the New Outdoor Recreation Paradigm in the era of social media and COVID-19</li><li>• Fields: Environmental and Natural Resource Economics, Spatial and Behavior Methods, Microeconomics, Econometrics, Behavioral Economics, Recreational Ecology, GIS</li></ul> |                               |
| <b>Oregon State University</b><br><i>Masters of Science Applied Economics</i>   | Corvallis, OR<br>2020         |
| <b>Portland State University</b><br><i>Bachelor of Science in Economics</i>   | Portland, OR<br>2008-2011     |
| <ul style="list-style-type: none"><li>• Fields: Microeconomics, Macroeconomics, Econometrics, Game Theory, History of Economic Thought, Institutional economics, Comparative economics, Statistics</li></ul>  |                               |
| <b>Portland Community College</b><br><i>Associates of Art focus in Economics</i>  | Portland, OR<br>2004-2007     |

## RESEARCH

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### Journal Article

- Lowe Mackenzie, A., S. J. Dundas, and B. Zhao. *Fourthcoming* The Instagram Effect: Is Social Media Influencing Visitation to Public Land? *Land Economics*. Accepted March 8, 2023

### Working Paper

- 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

- National Parks Visitation Modeling : Replication study and Extracting Meaning from Social Media Text.
- 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

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| <b>Instructor of Record</b><br><i>Western Oregon University</i>   | 2023           |
| <ul style="list-style-type: none"><li>• SUS 390 Global Climate Change     <i>On-campus</i><ul style="list-style-type: none"><li>* Course covering climate science using IPCC AR6, adaptation &amp; mitigation strategies, historical climate policies, carbon wealth inequalities, economics, Social Cost of Carbon and carbon pricing</li></ul></li><li>• SUS 340 Sustainability &amp; Capitalism     <i>Ecampus</i><ul style="list-style-type: none"><li>* Currently designing course covering pillars of sustainability &amp; capitalism framework. I use UN Sustainability Development Goals to examine the how the pillars and incentives of capitalism fit within the framework</li></ul></li><li>•</li></ul> |                |
| <i>Oregon State University</i> <ul style="list-style-type: none"><li>* AEC 253 Environmental Law, Policy and Economics     <i>Ecampus</i><ul style="list-style-type: none"><li>· Instructor Rating 5.5/6 (<i>Dept.mean 5.1</i>)</li></ul></li></ul>   | 2020           |
| <b>Graduate Teaching Assistant</b><br><i>Oregon State University</i>  | 2018 – Present |

- 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*
- **Training** Social Justice Education Initiative Workshop 2019
- **Training** Graduate Teaching Seminar 2022

## 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

|  |            |
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| 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:** Visual Studio Code, QGIS, Rstudio, Latex, Anaconda

**Software Packages:** Stata, ArcGis, Final Cut, Matlab

**Developer Tools:** Git, Github, Google Cloud

**Libraries :**

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

## NON-ACADEMIC EXPERIENCE

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### Oregon Citizen Utility Board

2020-Present

*Board Member*

- The Oregon Citizens' Utility Board (CUB) was created in 1984 by ballot initiative to advocate on behalf and protect the rights of the residential customers of investor-owned utilities in Oregon.

### 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

2013, 2014 & 2019

*Salem and Oregon Coast*

- Contractor - Data Analyst
- Park Ranger Assistant

### T Lazy 7 Ranch

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

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

2009

*Nondalton, AK*

- Remote fly-in lodge providing customer service and information on Lake Clark National Preserve.

### Yukon River Camp

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.

## PERSONAL ACHIEVEMENTS

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### Thru-Hike Pacific Northwest Trail

2022

*Montana, Idaho & Washington - 1,200 miles*

### Thru-Hike Continental Divide Trail

2014

*Montana, Wyoming, Colorado & New Mexico - 3,000 miles*

### Thru-Hike Pacific Crest Trail

2011

*California, Oregon & Washington - 2,660miles*

### Video Production

2016

*Production Betty Ann Coates*

## REFERENCES

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### **Dr. Steven Dundas**

*Department of Applied Economics – Oregon State University*

- Advisor Chair
- Supervising professor of class AEC 122 & AEC/ECON 352
- Supervising professor of graduate research appointment with ODOT
- Advisor for environmental economics concentration

Advisor

*Phone: (541) 737-1402*

### **Dr. Ashley D’Antonio**

*Department of Forest Ecosystems & Society – Oregon State University*

- Committee Member
- Advisor for recreation ecology concentration

Committee

*Phone: (541) 737-5043*

### **Dr. Nadia A. Streletskaya**

*Department of Applied Economics – Oregon State University*

- Advisor for behavioral economics concentration

Committee

*Phone: (347) 735.1787*

### **Christine M. A. Brekken**

*Department of Applied Economics – Oregon State University*

- Supervising instructor of class AEC 253, AEC 388, AEC/ECON 432

Supervising

*Phone: (541) -737-9594*