

# Jesse Kaczmariski

Assistant Professor of Economics  
College of Business and Security Management  
University of Alaska Fairbanks

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## Research Interests

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Environment and Resource Economics, Energy Economics, Microeconomic Theory, Econometrics, Stated and Revealed Preference Valuation

## Education

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<b>Ph.D., Economics</b>	2018 – 2023
University of New Mexico Major: Environment and Resource Economics Minor: Public Economics Dissertation: “Essays on the Economics of Grid Modernization”	
<b>M.A., Economics</b>	2018 – 2019
University of New Mexico	
<b>M.S., Resource and Applied Economics</b>	2016 – 2018
University of Alaska Fairbanks Thesis: “On the willingness-to-pay for Elodea removal in the Fairbanks North Star Borough”	
<b>B.A., Economics</b>	2013 – 2016
University of Alaska Fairbanks	
<b>A.A., General Transfer Agreement</b>	2011 – 2013
South Puget Sound Community College	

## Professional Experience

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<b>Program Director, BBA Economics</b>	Feb 2025 – <i>Present</i>
University of Alaska Fairbanks, College of Business and Security Management	
<b>Assistant Professor of Economics</b>	Dec 2024 – <i>Present</i>
University of Alaska Fairbanks, College of Business and Security Management	
<b>Adjunct Faculty</b>	Aug 2025 – Dec 2024
University of Alaska Fairbanks, College of Business and Security Management	
<b>Data Science Researcher</b>	Mar 2024 – Dec 2024
University of Alaska Fairbanks, Alaska Center for Energy and Power	

<b>Postdoctoral Fellow</b> University of Alaska Fairbanks, Alaska Center for Energy and Power	Jun 2023 – Mar 2024
<b>Research Assistant</b> University of New Mexico, Department of Economics	May 2019 – May 2023
<b>Teaching Assistant (Instructor of Record)</b> University of New Mexico, Department of Economics	Aug 2021 – Dec 2021
<b>Graduate Assistant</b> University of New Mexico, Department of Economics	Aug 2018 – May 2019
<b>Adjunct Instructor</b> University of Alaska Fairbanks, School of Management	May 2018 – Jul 2018
<b>Teaching Assistant (Instructor of Record)</b> University of Alaska Fairbanks, School of Management	Aug 2016 – Jul 2018

## Research

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### Peer-Reviewed Articles

- [4] Kaczmarski, J., & Jones, B. A. (2024). “The marginal generation and emissions impacts of purchased hydropower: Evidence from the Colorado River Storage Project”. *Energy Economics*, 138, 107816. [doi:10.1016/j.eneco.2024.107816](https://doi.org/10.1016/j.eneco.2024.107816)
- [3] Kaczmarski, J. (2022). “Public support for community microgrid services”. *Energy Economics*, 115, 106344. [doi:10.1016/j.eneco.2022.106344](https://doi.org/10.1016/j.eneco.2022.106344)
- [2] Kaczmarski, J., Jones, B., & Chermak, J. (2022). “Determinants of Demand Response Program Participation: Contingent Valuation Evidence from a Smart Thermostat Program.” *Energies*, 15(2), Article 2. [doi:10.3390/en15020590](https://doi.org/10.3390/en15020590)
- [1] Kaczmarski, J., & Baek, J. (2018). “On the asymmetric effects of oil price changes on Alaska oil tax revenue”. *Energy Sources, Part B: Economics, Planning, and Policy*, 13(1), Article 1. [doi:10.1080/15567249.2017.1403500](https://doi.org/10.1080/15567249.2017.1403500)

### Working Papers

- [2] Baek, J., & Kaczmarski, J. “Oil and LNG Price Shocks and Exchange-Rate Dynamics in Korea and Japan: A Symmetric and Asymmetric ARDL Analysis”.
- [1] Kaczmarski, J., Little, J., & Pride, D. “Structural Limitations to Household Price Response: The Role of Appliance Type in Space Heating Energy Demand”.

### Technical Reports and Data Products

- [5] MacDougall, I. & Kaczmarski, J. (2025). “FNSB Energy Burden Estimator [Web Application]”. <https://fnsb-energy-burden.acep.uaf.edu/>
- [4] Alaska Center for Energy and Power. (2024). “2024 Alaska Electricity Trends Report: Final Version” (v2.0). Zenodo. [doi:10.5281/zenodo.14456430](https://doi.org/10.5281/zenodo.14456430)

- [3] Kaczmariski, J., Pride, D., & Trochim, E. (2024). "Spatial Energy Burden Analysis of the Fairbanks North Star Borough". Zenodo. [doi:10.5281/zenodo.12575186](https://doi.org/10.5281/zenodo.12575186)
- [2] Chermak, J. M., Kaczmariski, J., & Jones, B. A. (2023). "Dataset for Determinants of Demand Response Program Participation [Data set]". University of New Mexico. [doi:10.25827/NFM8-6035](https://doi.org/10.25827/NFM8-6035)
- [1] Chermak, J. M., & Kaczmariski, J. (2023). "Dataset for Public Support for Community Microgrid Services [Data set]". University of New Mexico. [doi:10.25827/QX9C-T125](https://doi.org/10.25827/QX9C-T125)

## **Presentations and Outreach**

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- May 2026 Presentation, "The state of Alaska's economy", Alaska Credit Union League Annual Conference
- Nov 2025 Session Chair, 42nd USAEE/IAEE North American Conference
- Nov 2025 Research Presentation, 42nd USAEE/IAEE North American Conference
- Nov 2024 Presentation, "Leveraging Data Science in Energy Policy: A Case Study of Alaska". Johns Hopkins University Center for Data Analytics, Policy, and Government
- Feb 2023 Guest Lecture, Wildlife Valuation, WLF 470/670 – Human Dimensions of Wildlife
- Oct 2023 Competitor, USAEE Young Professional Best Paper Award Competition (Finalist)
- Oct 2022 Presentation, 39th USAEE/IAEE North American Conference
- May 2022 Competitor, New Mexico EPSCoR SMART Grid Center All Hands Meeting; Poster (1st place winner)
- Nov 2021 Poster, University of New Mexico, 2021 Shared Knowledge Conference
- Nov 2021 Competitor, New Mexico Research Symposium: Poster (2nd place winner), 3-minute thesis presentation, award for significant contributions to NM EPSCoR SMART Grid Center
- Jun 2021 Presentation, IAEE Energy, Covid, and Climate Change Conference
- May 2021 Poster, New Mexico EPSCoR SMART Grid Center All Hands Meeting (2nd place winner)
- Jun 2020 Poster & Panelist, Association of Environmental and Resource Economists, Western Economic Association International Conference
- Jun 2020 Panelist, New Mexico Research Symposium
- Nov 2019 Presentation & Poster, New Mexico Academy of Sciences

## **Teaching Experience**

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### **University of Alaska Fairbanks**

- ECON F434 – Environmental Economics

- ECON F420 – Labor Markets and Public Policy, (*In Development*)
- ECON F335 – Intermediate Natural Resource Economics
- ECON F321 – Intermediate Microeconomics
- ECON F235X – Introduction to Natural Resource Economics
- ECON F101X – Principles of Microeconomics

### **University of New Mexico**

- ECON 2110 – Macroeconomic Principles

### **Service**

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- 2026–Present Technical Advisory Committee, Western Rural Development Center
- 2025–Present Board of Directors: Spirit of Alaska Federal Credit Union
- 2025–Present Committee Member: UAF Faculty Senate Research and Creative Activity Advisory Committee
- 2025–Present Alternate Senator: UAF Faculty Senate
- 2024–Present Peer Reviewer: Elsevier Energy Economics
- 2024–Present Peer Reviewer: Elsevier Energy Policy
- 2024–Present Proposal Reviewer: UAF Undergraduate Research and Scholarly Activity Program

### **Students**

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- Ph.D. Phillip Hokenson (2026–Present)  
Clay Koplín (2024–Present)
- Undergraduate Anna Nevison (2025–Present, Committee Chair)

### **Technical Proficiencies**

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Python, R, STATA, Observable JavaScript, SQL, Git, IMPLAN, Qualtrics, BenMAP-CE, GoldSim, Quantum-GIS, REopt, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office Suite

### **Professional Organizations**

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- Association of Environmental and Resource Economists
- United States Association of Energy Economics