

# Andrew Steinkruger

steinkra@oregonstate.edu | (907) 441-0948 | Corvallis, OR

## Education

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**Ph.D., Applied Economics** (September 2024–Present)

Oregon State University (OSU)

**Master of Environmental Science and Management** (June 2019)

University of California, Santa Barbara (UCSB)

Thesis: *Fishery Management and Offshore Cultivation for Totoaba Macdonaldi*

Advisor: Dr. Steven D. Gaines

**B.A., Economics; B.A., Spanish** (December 2016)

University of Alaska, Anchorage (UAA)

Thesis: *Motivating the Brain Drain: Labor Market Differentials and University Graduates' Migration*

Advisor: Dr. E. Lance Howe

## Publications

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**Steinkruger, A.**, Kroetz, K., Malakoff, K. L., Gephart, J. A., Luque, G., Lee, P., Chicojay Moore, K., & Donlan, C. J. (2024). Seafood traceability program design: Examination of the United States' Seafood Import Monitoring Program. *Ambio*, 1-7.

Szymkowiak, M., & **Steinkruger, A.** (2024). Climate change attribution, appraisal, and adaptive capacity for fishermen in the Gulf of Alaska. *Climatic Change*, 177(6), 97.

Szymkowiak, M., **Steinkruger, A.**, & Hayes, A. L. (2024). Alaska's emergent fisheries processes. *Ocean & Coastal Management*, 249, 107004.

Szymkowiak, M., **Steinkruger, A.**, & Furman, K. (2023). Integrating climate adaptation into Gulf of Alaska fishing community planning. *Marine Policy*, 156, 105802.

**Steinkruger, A.**, & Szymkowiak, M. (2023). Examining the evolution of access to Alaska's halibut IFQ fishery. *Ocean & Coastal Management*, 242, 106706.

Szymkowiak, M., & **Steinkruger, A.** (2023). Alaska fishers attest to climate change impacts in discourse on resource management under marine heatwaves. *Environmental Science & Policy*, 140, 261-270.

## Publications (Continued)

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Szymkowiak, M., **Steinkruger, A.**, Rhodes-Reese, M., & Lew, D. K. (2022). Upward mobility in Alaska fisheries: A case study of permit acquisition for crewmembers. *Ocean & Coastal Management*, 228, 106327.

Bernknopf, R. L., **Steinkruger, A.**, & Kuwayama, Y. Earth Observations Can Enable Cost-Effective Conservation of Eastern North Pacific Blue Whales: A Value of Information Analysis. Working Paper. Resources for the Future.

Kroetz, K., Luque, G. M., Gephart, J. A., Jardine, S. L., Lee, P., Chicojay Moore, K., Cole, C., **Steinkruger, A.**, & Donlan, C. J. (2020). Consequences of seafood mislabeling for marine populations and fisheries management. *Proceedings of the National Academy of Sciences*, 117(48), 30318-30323.

Cisneros-Mata, M., **Steinkruger, A.**, & Aceves-Bueno, E. (2020). Modelo poblacional de totoaba. In M. Cisneros-Mata (Ed.), *Evaluación de la población de *Totoaba macdonaldi**. Ciudad de México: Instituto Nacional de Pesca.

Trachtman, H., **Steinkruger, A.**, Wood, M., Wooster, A., Andreoni, J., Murphy, J. J., & Rao, J. M. (2015). Fair weather avoidance: unpacking the costs and benefits of “Avoiding the Ask.” *Journal of the Economic Science Association*, 1(1), 8-14.

## Works in Progress

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Szymkowiak, M. & **Steinkruger, A.** Gulf of Alaska fishermen trapped in a maladaptive system under climate change. [In review.]

Szymkowiak, M. & **Steinkruger, A.** Responses and resilience to climate change in Gulf of Alaska fishing communities. [In review.]

Lawson, J. M., Jean, S., **Steinkruger, A.**, Castellanos-Rico, M., Goto, G.M., Cisneros-Mata, M.A., Aceves-Bueno, E., Warham, M.W., Sachs, A.M., & Gaines, S.D. Substantial gains and little downside from farming of *Totoaba macdonaldi*. [In review.]

## Research and Teaching Experience

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### **Research Assistant** (September 2024–Present)

Department of Applied Economics, OSU – Corvallis, Oregon

Grant: *Partnership: A Generalized Forest Natural Capital Valuation Model: Improving Scope, Realism, and Uncertainty Quantification*

Supervisor: Dr. David Kling

### **Climate and Communities Social Scientist** (December 2020–August 2024)

Pacific States Marine Fisheries Commission *in support of*

NOAA Fisheries, Alaska Fisheries Science Center – Juneau, Alaska

Grant: *From climate to communities in the Gulf of Alaska: using an integrated modeling approach to evaluate drivers of present and future system-level productivity and assess climate impacts on fishing-dependent communities*

Liaison: Dr. Marysia Szymkowiak

### **Research Analyst** (August 2019–November 2020)

Resources for the Future – Washington, District of Columbia

Project: Consortium for the Valuation of Applications Benefits Linked with Earth Science

Supervisor: Dr. Yusuke Kuwayama

### **Research Assistant** (December 2018–August 2019)

Bren School of Environmental Science & Management, UCSB – Santa Barbara, California

Supervisors: Dr. Eréndria Aceves Bueno, Dr. Steven D. Gaines

### **Seafood Fraud Intern** (June–August 2018)

Resources for the Future – Washington, District of Columbia

Supervisor: Dr. Kailin Kroetz

### **Teaching Assistant** (September–December 2017)

Environmental Studies Program, UCSB – Santa Barbara, California

Course: Introduction to Environmental Economics

Instructor: Dr. Robert Heilmayr

### **Teaching Assistant** (September 2014–May 2015, September–December 2015)

#### **Research Assistant** (May–August 2015)

Department of Economics, UAA – Anchorage, Alaska

Supervisor: Dr. E. Lance Howe

## Awards

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### **Emery Castle Graduate Scholarship in Economics (2024)**

Department of Applied Economics, OSU – Corvallis, Oregon

### **Policy Research Award (2015)**

Institute of Social and Economic Research, UAA – Anchorage, Alaska

## Presentations

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**Steinkruger, A.**, & Szymkowiak, M. (2023, May). *Examining the evolution of access to Alaska's halibut IFQ fishery*. North American Association of Fisheries Economists Forum. Woods Hole, MA, United States.

Szymkowiak, M., **Steinkruger, A.**, Rhodes-Reese, M., & Lew, D. K. (2022, July). *Upward mobility in Alaska fisheries: A case study of permit acquisition for crewmembers*. Fourth ICES PICES Early Career Scientist Conference. St. John's, NL, Canada.

Bernknopf, R., **Steinkruger, A.**, & Kuwayama, Y. (2020, December). *Earth Observations Enable Cost-Effective Conservation of Eastern North Pacific Blue Whales*. American Geophysical Union Fall Meeting. Virtual.

Bernknopf, R.L., **Steinkruger, A.**, & Kuwayama, Y. (2019, October). *Remote Sensing for Blue Whale Conservation*. VALUABLES Consortium Annual Workshop. Washington, DC, United States.

Castellanos, M., Goto, G., Sachs, A., **Steinkruger, A.**, & Warham, M. (2019, September). *Conservation Benefits of Commercial Aquaculture for an Endangered Species*. Joint American Fisheries Society-Wildlife Society Conference. Reno, NV, United States.

**Steinkruger, A.**, Kroetz, K., Donlan, C. J., Gephart, J. A., Lee, P., & Chicojay Moore, K. (2019, May). *Seafood Traceability Program Performance: Evaluating the U.S. Seafood Import Monitoring Program*. North American Association of Fisheries Economists Forum. Halifax, NS, Canada.

## Skills

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**General Software:** Git, Microsoft Office

### **Programming Languages and Scientific Software:**

- Advanced: R
- Intermediate: ArcGIS, MAXQDA, QGIS, SQL, Stata
- Basic: Julia, MATLAB, Python