

Y. Allen Chen

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Northwest Fisheries Science Center

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Education

Ph.D., Economics, University of Washington, 2018

M.A., Economics, University of Washington, 2012

B.A., Economics, University of Puget Sound, 2008

Employment

Economist, December 2019 - Present

Northwest Fisheries Science Center

Post-doctoral researcher, March 2018 - December 2019

Pacific States Marine Fisheries Commission at the Alaska Fisheries Science Center

Graduate researcher, March 2014 - March 2018

Pacific States Marine Fisheries Commission at the Alaska Fisheries Science Center

Economics instructor, January 2013 - June 2014

University of Washington, Department of Economics

University of Washington, School of Aquatic and Fishery Sciences

Economic analyst, October 2011 - December 2013

Department of Ecology, Washington State

Journal Articles

Feist, B.E., Griffin, R., Samhour, J.F., Riekkola, L., Shelton, A.O., **Chen, Y.A.**, Somers, K., Andrews, K., Liu, O.R., and Ise, J. (2025). Mapping the value of commercial fishing and potential costs of offshore wind energy on the U.S. West Coast: Towards an assessment of resource use tradeoffs. *PLoS ONE* 20(2): e0315319.
<https://doi.org/10.1371/journal.pone.0315319>

Chen, Y.A., and Haynie, A.C. (2024). Heterogeneous incentives during competitive harvest with incomplete property rights: an empirical examination of size-targeting in the Bering Sea pollock catcher/processor fishery. *Marine Resource Economics*, 39(4), October.

Chen, Y.A., Haynie, A.C., and Anderson, C.M. (2023). Full information selection bias correction for discrete choice models with observation-conditional regressors. *Journal of the Association of Environmental and Resource Economists*, volume 10, number 1, January.

Chen, Y.A., Monnahan, C.C., Hamel, O.W., and Haynie, A.C. Economists counting fish: modeling profit-maximizing behavior to improve stock assessments. *In review*.

Other Publications

Steiner, E., Phillips, A., and **A. Chen**. (2024). Economic status of the Pacific Hake fishery, 2009-22. United States, National Marine Fisheries Service, NOAA technical memorandum NMFS-NWFSC 197, September.

Thunberg, E., Kitts, A., Ardini, G., **Chen, A.**, Garber-Yonts, B., Hilger, J., Hutt, C., Liese, C., Lovell, S., McGregor, M., Pan, M., Records, D., Silva, G., Steiner, E., Stohs, S., Travis, M., Werner, S., and Warpinski, S. (2023). A Snapshot Update of NOAA Fisheries Data Collection of Commercial and For-Hire Fishery Cost and Earnings 2000–2021. United States, National Marine Fisheries Service, NOAA tech. memo. NMFS-F/SPO 245, December.

Grants

2023-2024: National Oceanic and Atmospheric Administration, Office of Sustainable Fisheries, Estimating uncertainty in economic impacts from the Input-Output Model for Pacific Coast Fisheries, \$61,764. **Chen, Y.A.** (PI).

2023-2024: National Oceanic and Atmospheric Administration, Office of Science and Technology, Limited Entry Fixed Gear Voluntary Cost Earnings Survey 2021-2022, \$86,000. **Chen, Y.A.** (PI).

Presentations

Invited Presentations

NOAA Central Library, National Stock Assessment Science Seminar Series, *Economists counting fish: modeling profit-maximizing behavior to improve stock assessments*. April 2024.

University of Washington School of Aquatic and Fisheries Science. Guest lecture. *Economists counting fish: modeling profit-maximizing behavior to improve stock assessments*. February 2024.

Economic Research for Management of West Coast Salmon and Steelhead: Status, Needs, and Directions. Workshop. *Input-Output Model for Pacific Coast Fisheries*. June 2022.

Conference Presentations

North American Association of Fisheries Economists Forum, *Early Career Researchers in Fisheries Economics Associations (panel)*. May 2023.

International Institute of Fisheries Economics and Trade Conference, *Understanding the effects of marine heatwaves on U.S. west coast groundfish populations and fisher behavior*. July 2022

North American Association of Fisheries Economists Forum, *Economists counting fish: modeling profit-maximizing behavior to improve stock assessments*. May 2019.

International Institute of Fisheries Economics and Trade Conference, *Constructing catch expectations in fisheries discrete choice models*. July 2018.

International Institute of Fisheries Economics and Trade Conference, *Size selectivity under noncooperative harvest: when does management improve the value of the fishery?* July 2016.

International Institute of Fisheries Economics and Trade Conference, *Estimation of heterogeneous responses to size variation in the Bering Sea pollock fishery.* July 2016.

North American Association of Fisheries Economists Forum, *An empirical model of in-season size selection.* May 2015.

Presentations to a Nonprofessional or Public Audience

Marine Resource Education Program, Fisheries Science and Management Workshop, *Economics of Fisheries.* October 2022.

Professional Service

Reviewer: *Journal of the Association of Environmental and Resource Economists, Fisheries Research, Journal of Environmental Management, Coastal Management Journal, Journal of Bioeconomics, Marine Resource Economics, Ecological Modelling.*

Internal Grants Review Panel, Northwest Fisheries Science Center, 2023-2025.

Monster Jam Seminar Series Fall 2025 (Co-Chair), Northwest Fisheries Science Center.