Jonathan R. Sweeney

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PROFESSIONAL EXPERIENCE	2018-Present	Postdoctoral Scholar, University of California Santa Cruz and NOAA Southwest Fisheries Science Center

EDUCATION	2018	Ph.D. in Economics, University of Hawai'i at Mānoa
	2015	M.A. in Economics, University of Hawai'i at Mānoa
	2008	B.A. in Biology, Reed College

PUBLICATIONS

Sweeney J.R., Howitt R.E., Chan H., Pan M., and P.S. Leung. 2017. How do fishery policies affect Hawaii's longline fishing industry? Calibrating a positive mathematical programming model. *Natural Resource Modeling* 30(2):e12127.

Oberle B., Ogle K., Penagos Zuluaga J.C., **Sweeney J.R.**, and A.E. Zanne. 2016. A Bayesian model for xylem vessel length accommodates subsampling and reveals skewed distributions in species that dominate seasonal habitats. *Journal of Plant Hydraulics* 3(e003).

Revell L. J., Mahler D. L., **Sweeney J. R.**, Sobotka M., Fancher V. E. and J.B. Losos. 2010. Nonlinear selection and the evolution of variances and covariances for continuous characters in an anole. *Journal of Evolutionary Biology* 23(2):407–421.

WORKING PAPERS

Sweeney J.R. 2019 submission. Balancing goods and bads: A Bayesian analysis of fishery regulatory decisions.
Sweeney J.R. 2019. Analyzing tuna fisher labor supply decisions by decomposing wage.
Sweeney J.R., Howitt R.E., Chan H., Pan M., and P.S. Leung. 2019. How will expanding Papahānaumokuākea Marine National Monument impact local fishing communities in Hawaii? An application of positive mathematical programming.
Sweeney J.R. and T. Halliday. Estimating a dynamic structural model of fisher's labor supply.

RESEARCH EXPERIENCE	2018-Present	Postdoctoral Scholar with FUTURE SEAS, UC Santa Cruz and NOAA Southwest Fisheries Science Center
	2014-2018	Graduate Research Assistant to Dr. PingSun Leung, University of Hawai'i at Mānoa
	2014-2018	Economics Research Assistant, NOAA Pacific Islands Fisheries Science Center
	2014	Graduate Research Assistant to Dr. John Lynham, University of Hawai'i at Mānoa
	2012-2013	Economics Contractor, NOAA Southwest Fisheries Science Center
	2009-2010	Graduate Research Assistant to Dr. Amy Zanne, University of Missouri-St. Louis
	2008-2009	Field Station Manager to Dr. Andrew Marshall, Gunung Palung National Park, Indonesia

| **TEACHING EXPERIENCE** | 2017 | Lecturer for Sustainable Development (ECON 350), University of Hawai'i at Mānoa |
| | 2013 | Teaching Assistant for Principles of Microeconomics with Dr. John Lynham, University of Hawai'i at Mānoa |

| **STUDENT MENTORING** | 2018 | Sarah Medoff, University of Hawai'i at Mānoa |
| | 2018 | William Arlidge, University of Oxford |

GRANTS AND AWARDS	2017	Department of Economics Travel Award, University of Hawai'i at Mānoa
	2016	College of Social Sciences Travel Funds for Professional Improvement, University of Hawai'i at Mānoa
	2016	Department of Economics Travel Award. University of Hawai'i at Mānoa
	2010	Whitney R Harris Graduate Research Fellowship, University of Missouri-St. Louis
	2009	Graduate Recruitment Fellowship, University of Missouri-St. Louis
	2008	Mellon Foundation Opportunity Grant, Reed College
	2008	Arch and Fran Diack Field Research Grant, Reed College

RESEARCH TALKS

UCSD Environment and Resource Group, 2018. *What can fishing teach us about the factors that affect labor supply?*

Tuna Conference, 2018. *Building economics into management strategy evaluation: A guide to setting sea turtle interaction limits*

International Institute of Fisheries Economics and Trade, Seattle USA. 2018. *Balancing goods and bads: A Bayesian analysis of fishery regulatory decisions*

Bergen Economics of Energy and Environment Research Conference, Bergen Norway. 2017. *Multi-output production efficiency with rare undesirable outputs*

International Institute of Fisheries Economics and Trade, Aberdeen UK. 2016. *How to measure economic impacts with multiple interacting policies?*

ESD Brown Bag Seminar Series, Honolulu USA. 2016. *Estimating Supply and Demand Elasticity for Fish: An Evaluation of Welfare Effects from Price Stabilization*

Western Regional Science Association, Kona USA. 2016. *How do fishery policies affect Hawaii's longline fishery?*

ESD Brown Bag Seminar Series, Honolulu USA. 2016. *How do fishery policies affect Hawaii's longline fishery? Calibrating a positive mathematical programming model*

COMPUTER SKILLS

| R | Stan |
| Python | GAMS |

LANGUAGES

| English | Indonesian | French |
| (Native Speaker) | (Fluent Communicator) | (Basic) |

SERVICE

Co-coordinator of national workshop on integrating economics considerations into management strategy evaluations (Summer 2019).

Economic and statistical analysis for the Highly Migratory Species Management Team, Pacific Fishery Management Council.

Referee for *Marine Policy*.