

## **EXPERTISE**

Ph.D. Economist with expertise in designing, implementing, reporting, and communicating scientific research:

- Fisheries: Regulatory Analysis, Economic Impact, Production Efficiency, Consumer Behavior;
- Environmental and Resource Economics: Water Quality, Forest Fire, Appliance Energy Ratings;
- Consumer Protection: Product Labeling, Truth-in-Advertising, Advertising to Minors;
- Public Health: Tobacco and Alcohol Advertising, Vaccination, Water Quality;
- Empirical Methods: Survey Design, Cross Sectional and Panel Data Econometric Analysis.

## **FISHERIES RESEARCH HIGHLIGHTS**

Recreational and consumer fisheries data collection, analysis, and reporting:

- Economic Survey of anglers leaving San Diego, CA, ports to fish in Non-US waters, 2015-2017. PI.
- Survey to support management assessment of West Coast recreational fisheries. 2016-2017. Co-PI.
- National survey of saltwater angler expenditures in the U.S.: 2011, 2014, 2016. Collaborator.
- Cost and earning survey of California's commercial passenger fishing vessel fleet. 2013. PI.
- Public opinion survey on sustainability characteristics of tuna. 2012-2013. Collaborator.

Regulatory impact analysis on commercial fishery production, vessel participation, and fleet size. Methods include survival analysis and instrumental variables within a treatment-control framework:

- Hilger, and K. Roll. The Impact of Regulation on Fishery Productivity: A Difference-in-Differences in Productivity Application. In preparation. 4/2016.
- Hilger, J. Regulatory Impacts on Exit from the California Drift Gillnet Swordfish Fishery: A Treatment-Control Duration Model Based Approach. In preparation. 4/2016.

## **LEADERSHIP AND ADVISING HIGHLIGHTS**

Southwest Fisheries Science Center (SWFSC) Coordinator on a national science and policy initiative;

Build and maintain partnerships with constituents, federal and state agencies, and within an agency;

Initiate, lead, and collaborate on research teams;

Co-develop, -organize, and -moderate public workshops to support research and management.

## **PROFESSIONAL POSITIONS**

Economist, 2/2009 - Present. NOAA National Marine Fisheries Service (NMFS) Southwest Fisheries Science Center (SWFSC), La Jolla, CA.

- Collect, synthesize and analyze data, and report on the economic status of California fisheries;
- Analyze conservation and management policies, and regulatory actions (state and federal);
- Advise senior staff and leadership on science, policy, and management, and participate in planning;
- Facilitate transfer of economic information between managers, constituents and stakeholders.

Assistant Adjunct Professor, 4/2011 - Present. University of California, San Diego, Dept. of Economics.

- Advise Ph.D. and M.S. students on research;
- Teach undergraduate-level courses.

Economist, 9/2006 - 1/2009. Federal Trade Commission, Bureau of Economics, Washington, DC.

- Industries: household appliances; green product, tobacco, alcohol and food marketing; debt services;
- Analyze proposed regulations and industry guidance;
- Provide litigation support and brief legal and economic managers on economic research findings.

## **EDUCATION**

Ph.D. Agricultural and Resource Economics, University of California, Berkeley. 2006.

M.S. Resource and Applied Economics, University of Nevada, Reno. 1998.

B.A. Economics, Reed College. 1995.

## **PEER REVIEWED JOURNAL ARTICLES**

Kuriyama, K., Hilger, J., Hanemann, W.M., A Random parameter model with onsite sampling for recreation site choice: An application to Southern California shore based sportfishing. *Environmental and Resource Economics* 12/2013; 56(4). DOI:10.1007/s10640-013-9640-4.

Hilger, J., J. G. Rafert, and S. Villas-Boas. "Expert Opinion and the Demand for Experience Goods: An Experimental Approach in the Retail Wine Market." *The Review of Economics and Statistics*, November 2011, Vol. 93, No. 4, Pages 1289-1296

Kuriyama K., W. Michael Hanemann, James R. Hilger, A latent segmentation approach to a Kuhn-Tucker model: An application to recreation demand, *Journal of Environmental Economics and Management*, Volume 60, Issue 3, November 2010, Pages 209-220. DOI:10.1016/j.jeem.2010.05.005

Hilger, J., and J. Englin. "Utility Theoretic Semi-logarithmic Incomplete Demand Systems in a Natural Experiment: Forest Fire Impacts on Recreational Values and Use." *Resource and Energy Economics*, Volume 31, Issue 4, 11/2009, Pages 287-298.

## **JOURNAL ARTICLES IN PRESS**

Hilger, K., J. Hilger, S. Putnam, S. Carstairs, and R. Maves. Feasibility and patient acceptance of emergency department-based influenza vaccination in a military medical center. *Military Medicine*. Forthcoming, 9/2015.

## **JOURNAL ARTICLES UNDER REVIEW**

Hilger, J., E. Holstein, A. Stevens, and S. Villas-Boas. Measuring Willingness to Pay for Environmental Attributes in Seafood. Under Review. 1/2016.

Steiner, C., and J. Hilger. Hitting Capacity: Implications for the Valuation of Outdoor Recreation. 1/2016

Hilger, J., S. Lovell. Charter Fishing in California: Results from a 2013 Survey of the Industry. 3/2016

Hilger, K., J. Hilger, S. Putnam, S. Carstairs, and R. Maves. Feasibility and patient acceptance of emergency department-based influenza vaccination in a military medical center. *Military Medicine*. Forthcoming, 9/2015.

## **WORKING PAPERS**

Hilger, and K. Roll. The Impact of Regulation on Fishery Productivity: A Difference-in-Differences in Productivity Application. In preparation. 4/2016.

Hilger, J. Regulatory Impacts on Exit from the California Drift Gillnet Swordfish Fishery: A Treatment-Control Duration Model Based Approach. In preparation. 4/2016.

Hilger, J., E. Janofsky. "What drives demand for outdoor recreation? A historical analysis of fishing off of Southern California." 7/2015.

Bonnet, C., Hilger, J., Villas-Boas, S. Assessing Consumer Valuations of Product Quality in the Form of Expert Opinions. 2/2012.

Hilger, J., and W. M. Hanemann. "The Impact of Water Quality on Southern California Beach Recreation: A Finite Mixture Model Approach." University of California at Berkeley, Dept. Agricultural and Resource Economics Working Paper, 3/2008.

## GOVERNMENT REPORTS AND PROCEEDINGS

Ren, F., C. Villafana, R. Mahler, J. Miller, and J. Hilger. 2016. "Sample Frame Pilot Study for US based CPFV trips to Non-US waters." U.S. Dep. Commerce, NOAA Tech. Memo. In Preparation, 2016.

Hilger, J. 2015. "California Commercial Passenger Fishing Vessel Industry Cost and Earning Survey: Methodology and Results." U.S. Dep. Commerce, NOAA Tech. Memo. In Preparation, 2015.

Lovell, S., J. Hilger, S. Steinbeck, and C. Hutt. "The Economic Contribution of Marine Angler Expenditures on Durable Goods in the United States, 2014." U.S. Dep. Commerce, NOAA Tech. Memo. In Press, 2016.

Lovell, S., J. Hilger, and S. Steinbeck. "Marine Angler Expenditures on Durable Fishing Goods in the United States, 2014. Preliminary Analysis." NOAA Fisheries Office of Science and Technology. March 2015.

Lovell, S., S. Steinbeck, and J. Hilger. "The Economic Contribution of Marine Angler Expenditures in the United States, 2011." U.S. Dep. Commerce, NOAA Tech. Memo. NMFS-F/SPO-134, 188 p., 2013.

Hanemann, W. M., L. Pendleton, C. Mohn, D. Layton, K. Kuriyama, and J. Hilger. "Southern California Beach Valuation Project." Coastal and Ocean Resource Economics Program, National Oceanic and Atmospheric Administration. 2005.

Loomis, J., J. Englin, J. McDonald, J. Hilger, and A. Gonzalez-Caban. "Effects of Fire on the Economic Value of Forest Recreation in the Tree Intermountain States with Tests of Demand and Benefit Transferability." Report to USDA Forest Service, Pacific Southwest Station, Fire Lab. 11/1999.

Englin, J., N. Netusil, J. Hilger, J. McDonald, N. Wieseke, and J. Hall. "Non-Market Values Associated with the Stillwater National Wildlife Refuge." Prepared for United States Department of the Interior, Truckee-Carson Coordination Office. 2/1998.

Vossler, C., W. D. Shaw, J. Hilger, M. Peterson, and G. Mitchell. "The Economic and Recreational Importance of Rock Climbing and Recreation at the Red Rock Canyon Nation Conservation Area." Nevada Extension Fact Sheet. 12/1997.

Englin, J., J. Hilger, J. Hall, J. Lutz, and A. Ussif. "An Economic Analysis of the Application of Advanced Siting Methods to Water Well Drilling In Ghana: Technical Appendix." Department of Resource Economics. University of Nevada, Reno. Prepared for the Conrad Hilton Foundation. 1997.

Hilger, J. "Appendix E: Open Space Economic Analysis." Economic, Social, Environmental and Energy (ESEE) Analysis of Inventoried Streams, Wetlands, and Tree Groves. City of Lake Oswego, Oregon. 8/1995.

## RESEARCH PRESENTATIONS

**Steiner, C.**, and J. Hilger. "Hitting Capacity: Implications for the Valuation of Outdoor Recreation." Association of Environmental and Resource Economists Meetings, San Diego, CA, 6/2015.

Hilger, J., E. Holstein, **A. Stevens**, and S. Villas-Boas. "Measuring Willingness to Pay for Environmental Attributes in Seafood." Association of Environmental and Resource Economists Meetings, San Diego, CA, 6/2015.

Hilger, J. "Regulatory Impacts on Exit from the California Drift Gillnet Swordfish Fishery: A Treatment-Control Duration Model Based Approach." International Institute of Fisheries Economics and Trade Conference. 7/2014.

- Hilger, J. "California CPFV Skipper Logbook Trip Type Classification: 1995-2012." 65th Annual Tuna Conference. Lake Arrowhead, California, 5/2014.
- Hilger, J., and S. Stohs. "Measuring the Impact of Leatherback Turtle Conservation Regulation on West Coast Drift Gillnet Fishery Attrition." Western Economic Association International 86th Annual Conference. San Diego, California. 7/2011.
- Hilger, J. and **S. Lovell**. "Impacts of the Recession on Recreational Fishing: An Incomplete Demand System Approach." North American Association of Fisheries Economists, 2011 Forum. Honolulu, Hawaii. 5/2011
- Hilger, J. "California Live Bait Fishery: Input into the Southern California Recreational Fishery." International Institute for Fisheries Economics and Trade Biennial Meeting. Montpellier, France.
- Hilger, J., and S. Stohs. "CA-OR Drift Gillnet Catch and Bycatch: Impact of Conservation Regulatory Measures." International Institute for Fisheries Economics and Trade Biennial Meeting. Montpellier, France. 7/2010.
- Hilger, J., and E. Janofsky. "Wall Street or Pacific Stocks: A Time Series Analysis of Drivers of Sportfishing Effort." NOAA NMFS Economics and Social Science Workshop, Orlando, Florida. 9/2010
- Hilger, J., **J. Pappalardo**, and M. Hastak. "Developing Mandatory Energy Labels that do not Mislead or Bias Consumers: Lessons from Consumer Research at the Federal Trade Commission?" American Marketing Association, 2009 Marketing and Public Policy Conference. 4/2009.
- Hilger, J. "Objective Measure Perception Discrepancy: Swimming in Sewage." Center for Environmental Economics Seminar Series. University of California. San Diego, California. 4/2009.
- Hilger, J., J. G. Rafert, and S. Villas-Boas. "Expert Opinion and the Demand for Experience Goods: An Experimental Approach." European Association for Research in Industrial Economics. 2008 Annual Meeting. Toulouse, France. 9/2008.

#### **SELECT INTERNAL PRESENTATIONS AND PANELS**

- "Recreational Industry Economics Research." Pacific Bluefin Research Coordination Meeting. 3/2016.
- "Recreational Industry Economics Research." National Recreational Initiative Meeting. 8/2015.
- "Recreational Industry Economic Research." Pacific Bluefin Assessment Meeting. 10/2014.
- "For-Hire Studies: Southern California Commercial Passenger Fishing Vessel Studies." NMFS Recreational Fisheries Data and Model Needs workshop, Silver Spring, Maryland. 7/2011.
- "Southern California CPFV Input/Output Modeling." NMFS Recreational Fisheries Data and Model Needs workshop, Silver Spring, Maryland. 7/2011.
- Panel Member. "CA Sea Grant and Career Development." National Sea Grant Office Program Review, La Jolla, California. 5/2011.

#### **WORKSHOP AND SEMINAR ORGANIZATION**

- Co-Chair and Moderator. Recreational Fisheries Constituent Roundtable. Southern California. 2012, 2013.
- Discussion Moderator. NOAA NMFS Recreational Fisheries Data and Model Needs Workshop. Silver Spring, Maryland. 7/2011.
- Discussion Moderator. NOAA Recreational Saltwater Fishing Summit. Alexandria, Virginia. 4/2010.
- Co-Chair and Moderator. FTC Lamp Labeling Roundtable. Federal Trade Commission, Washington, DC. 9/2008.
- Committee. Green Guides and Packaging Workshop. Federal Trade Commission, Washington, DC. 4/2008.
- Co-Chair and Moderator. Carbon Offset and Renewable Energy Certificate Workshop. Federal Trade Commission, Washington, DC. 1/2008.

Committee. Environmental and Resource Economics Department Seminar. Department of Agriculture and Resource Economics, University of California, Berkeley. 2005-2006.

## ACADEMIC TEACHING AND ADVISING

### Instruction:

- Professor. Introduction to Non-market Valuation (Econ 198). Economics, UCSD. 2014, 2015, 2016
- Professor. Issues: Social Science (ENV 130). Environmental Studies, UCSD. 2011, 2012
- Graduate Student Instructor. Water Economics (EEP 162). Department of Agricultural and Resource Economics, University of California, Berkeley. Spring, 2004.
- Instructor. Resource and Environmental Economics (APEC 202). Department of Resource and Applied Economics, University of Nevada, Reno. Fall, 1998.
- Guest Lecturer. Cost Benefit Analysis (IRPS 457). School of Global Policy and Strategy (IR/PS), UCSD. 2009, 2010, 2013.

### Graduate Advising:

- Ph.D. Committee: Christopher Steiner (2015). Economics, UCSD.
- NOAA Internship: Fei Ren, M.S. IR/PS, UCSD 2015-2016.
- M.S. Committee: Julianna Mullen, *Attitudes and Behaviors Towards Shark Conservation in the Republic of Palau*. 2010. Marine Biodiversity and Conservation, Scripps Institution, UCSD.
- M.S. Committee: Chris Knight, *A Proposal on the California MLPA Process: What's Really Happening?* 6/2009. Marine Biodiversity and Conservation, Scripps Institution, UCSD.

### Undergraduate Advising:

- Yasmin Lee, UCSD Economics Department, NOAA Internship 2015.

### Referee:

Agricultural Economics - Conservation Biology - Environmental and Resource Economics - Federal Trade Commission Bureau of Economics Working Paper Series - Fishery Bulletin - Journal of Environmental Economics and Management - Journal of Environmental and Resource Economics - Journal of Leisure Research - Land Economics - Marine Resource Economics - Review of Agricultural Economics - Review of Industrial Organization - Transportation Research Part A: Policy and Practice.

## OTHER

Visiting Scholar, Groupe de Recherche en Economie Mathematique et Quantitative. Toulouse School of Economics, Toulouse, France. July, 2010; August 2011.

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