

Yutaro Sakai, PhD

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Academic Appointments:

- 2018.1- Post-Doctoral Research Associate, School of Sustainability,
Arizona State University
- 2017.10-2017.12 Research Fellow, Fisheries Research Agency,
National Research Institute of Fisheries Science
- 2017.7-2017.9 Research Fellow, Department of Global Agricultural Science,
University of Tokyo

Education:

- 2017 Ph.D. in Economics, University of Calgary
Committee: M. Scott Taylor (Supervisor), Daniel V. Gordon,
Arvind Magesan
- 2010 M.S. in Global Agricultural Science, University of Tokyo
- 2008 B.S. in Regional Economics and Resources Science, University of Tokyo

Teaching and Research Fields:

Environmental and Resource Economics, Health Economics, Econometrics

Working papers:

1. Income, Vaccination Decisions and the Vaccination Rate
2. The impact of the Great East Japan Earthquake on the oyster market: A difference-in-differences estimation (under review)

3. Consumers' attitude toward inspection methods and institutions for potential radioactive contamination: a choice-based conjoint analysis (under review)
4. Ex-vessel price formation of fish species with low and irregular harvests: The case for John dory in Mie Prefecture, Japan (in Japanese) (under review)
5. The possibility of exporting Japanese seafood to Singapore: An ordered choice analysis (in Japanese) (under review)

Research papers in Progress:

1. "Climate Change, Vaccination Leakage, and Border Control"
2. "The impact of temporary school closures on influenza epidemics"
3. "The emergence of norovirus and the oyster market"

Publication:

- 2018 "The Vaccination Kuznets Curve: Do Vaccination Rates Rise and Fall with Income?" *Journal of Health Economics* (forthcoming)
- 2017 "Subsidies, Fisheries Management and Stock Depletion" *Land Economics* 93(1): 165-178.
- 2017 "Empirical analysis of the distribution and consumption form and transmission of the price of marine products, focusing on tuna" (with Takahiro Matsui, Toru Nakajima, and Nobuyuki Yagi) *Nippon Suisan Gakkaishi*, 83(5), pp.795-801. (in Japanese)"
- 2014 "Structural changes and imperfect competition in the supply chain of Japanese fisheries product markets" (with Toru Nakajima, Takahiro Matsui and Nobuyuki Yagi). *Fisheries Science* 80(6): 1337-1345. Best Paper Award at the Japanese Society of Fisheries Science 2014.
- 2014 "Kouritsusei Bunseki kara Kangaeru Gyogyokanri no Houkousei" [A note on the possible directions of fisheries management based on efficiency analyses]. In Tada M, Ro S, Ariji M, Matsui T and Harada S (Eds.), *Kawariyuku Nihongyogyo [Changing Japanese Fisheries]* (pp.279-287). Tokyo, Japan: Hokuto Shobo (in Japanese).
- 2014 "Methodology and Application of a Model to Estimate Fishery Resource Trends by Effort and Catch Data" (with Taro Oishi, Nobuyuki Yagi and Masahiko Ariji). *Journal of International Fisheries* 13: 1-12.
- 2014 "Structural changes and imperfect competition in the supply chain of Japanese fisheries product markets" (with Toru Nakajima, Takahiro Matsui and Nobuyuki Yagi). *Fisheries Science* 80(6): 1337-1345.

- 2012 “Tuna goes around the world on sushi” (with Hisashi Kurokura, Akira Takagi and Nobuyuki Yagi). *Aquaculture Economics & Management* 16(2): 155-166
- 2012 “The Technical Efficiency Analysis for Japanese Fishery: The Case for the Offshore Bottom Trawl Fishery in Hokkaido” (with Ken Mori and Nobuyuki Yagi). *Kokusai Gyogyo Kenkyu* 11: 101-119 (in Japanese).
- 2012 “Asymmetric price transmission in the Japanese seafood market” (with Toru Nakajima, Takahiro Matsui and Nobuyuki Yagi). *Nippon Suisan Gakkaishi* 78(3): 468-478 (in Japanese).
- 2011 “Structural Change and Price Transmission in Japanese Marine Products Market: The Case of Bluefin Tuna” (with Takahiro Matsui, Toru Nakajima and Nobuyuki Yagi). *Kokusai Gyogyo Kenkyu* 10: 1-13 (in Japanese).
- 2011 “Capturing Changes in Asymmetric Price Transmission: A Rolling Window TAR Estimation Using Bluefin Tuna Case Study” (with Toru Nakajima, Takahiro Matsui and Nobuyuki Yagi). *Journal of International Fisheries* 10: 1-18.
- 2010 “Econometric analysis of the factors contributing to the fish price increase in coastal TURFs in Japan: the case of the income pooling fishery for coastal shrimp “Sakuraebi *Sergia lucens*”” (with Takahiro Matsui, Nobuyuki Yagi, Yoshihito Senda and Hisashi Kurokura). *Fisheries Science* 76: 711-718.
- 2009 “Substitute and complement relations among various fish species in the Japanese market: implications for fishery resource management” (with Nobuyuki Yagi, Masahiko Ariji, Atsushi Takahara and Hisashi Kurokura). *Fisheries Science* 75: 1079-1087.

Awards:

- 2015 **Best Student Paper Award**, North American Association of Fisheries Economists
- 2014 Best Paper Award, Japanese Society of Fisheries Science
- 2014 Best Graduate Student Teaching Award, Department of Economics, U of Calgary
- 2010 Graduate School of Agricultural and Life Sciences the Dean Award for Academic Excellence, University of Tokyo

Grants, Scholarship and Fellowship:

- 2016 CFUW/Calgary Graduate Scholarship in Social Work or Social Sciences (\$1,200)
- 2016 Thesis/Dissertation Research Grant. University of Calgary (\$1,500)
- 2016 Professional Development Grant. University of Calgary (\$750)
- 2011 Research Fellowship for Young Scientists. Japan Society for the Promotion of Science (\$68,000)

Conference and Workshop Presentation:

- 2017 Japan International Fisheries Research Society, Tokyo, Japan
- 2016 American European Health Economist Study Group. Rome, Italy

- 2016 Western Economic Association International. Portland, United States
- 2016 The 6th Biennial Conference of the American Society of Health Economists.
Philadelphia, United States
- 2016 Canadian Economics Association. Ottawa, Canada
- 2016 Canadian Health Economists' Study Group. Ottawa, Canada
- 2015 International Health Economics Association 11th World Congress. Milan, Italy
- 2015 Canadian Economics Association. Toronto, Canada
- 2015 North American Association of Fisheries Economists. Ketchikan, United States
- 2013 North American Association of Fisheries Economists. St. Petersburg, United States
- 2013 Theoretical Economics, Management and Fisheries Summer Meeting, Nara, Japan
- 2012 Japan International Fisheries Research Society Summer Meeting, Nara, Japan
- 2012 Intensive PhD course: The Economics of Fisheries Management, Portsmouth, UK
- 2011 Theoretical Economics, Management and Fisheries Summer Meeting, Nara, Japan
- 2010 The Japanese Society of Fisheries Science Autumn Meeting, Kyoto, Japan
- 2010 International Institute of Fisheries Economics and Trade, Montpellier, France
- 2010 The Japanese Society of Fisheries Science Spring Meeting, Kanagawa, Japan
- 2009 The Japanese Society of Fisheries Science Spring Meeting, Tokyo, Japan
- 2009 Workshop on: Game Theoretic Applications in Fisheries, Esbjerg, Denmark
- 2008 Fifth World Fisheries Congress, Yokohama, Japan

Teaching Experience (Instructor):

- 2014 Econ 395 (Use of Statistics in Economics), University of Calgary, 25 students,
Evaluation: 5.8 out of 7, **Best Graduate Student Teaching Award** 2014.

Teaching Experience (Teaching assistant, Invited lecture):

- 2016 Invited lecture at Ms. Mile's course. U of Calgary.
Econ 495: Econometrics I. "Introduction to Time Series Analysis."
- 2015 Teaching assistant to Dr. McKenzie. U of Calgary.
Econ 201: Principles of Microeconomics. Tutorials about mathematical
techniques in economics.
- 2015 Invited lecture at Ms. Mile's course. U of Calgary.
Econ 495: Econometrics I. "Introduction to Time Series Analysis."
- 2014 Invited lecture at Dr. Taylor's course. U of Calgary.
Econ 611: International Trade and the Environment: Resources and Trade.
- 2014 Invited lecture at Dr. Muehlenbachs's course. U of Calgary.
Econ 475: Economics of Natural Resources.
- 2013 Teaching assistant to Dr. Magesan. U of Calgary.
Econ 497: Econometrics II. Tutorials about MC Simulation
- 2012 Teaching assistant to Dr. Wen. U of Calgary.
Econ 341: Money and Banking
- 2011 Teaching assistant to Dr. Wilman. U of Calgary.

Econ 487: Environmental Economics.

Research Experience:

- 2013 - Research assistant to Dr. Taylor, Job description: Data collection, Data analysis and Discussion.
2012 - 2013 Research assistant to Dr. Oxoby, Job description: Theoretical model development.

Professional Activity:

1. Referee service:
Fisheries Science, Journal of International Fisheries, Nippon Suisan Gakkaishi, Kokusai Gyogyo Kenkyu
2. Paper Selection Committee for the International Health Economics Association World Congress 2015
3. A co-founder of Theoretical Economics, Management and Fisheries Study Group in Japan (<http://temf.info/index.html>)

Language:

English (fluent), Japanese (native)

Reference:

- Joshua K. Abbott
Associate Professor of Environmental and Resource Economics
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