

CURRICULUM VITAE

(as of May 2020)

Ou Yang

Research Fellow
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RESEARCH INTEREST

Micro-econometric models and applications in health economics; Applied econometrics; Demand system specification and estimation; Semiparametric models and applications

EMPLOYMENT SUMMARY

- Research Fellow, Melbourne Institute of Applied Economic and Social Research, The University of Melbourne, July 2017 – present
- Senior Statistical Consultant, Victoria Department of Health and Human Services, June 2016 – June 2017
- Research Fellow, Department of Econometrics and Business Statistics, Monash University, January 2016 - June 2016
- Research Fellow, Melbourne Institute of Applied Economic and Social Research, University of Melbourne, November 2014 - December 2015
- Teaching assistant, Department of Econometrics and Business Statistics, Monash University, 2013 - 2014
- Research assistant, Centre for Health Economics, Monash University, 2013 - 2014
- Research assistant, Department of Econometrics and Business Statistics, Monash University, 2013

EDUCATION

2011 - 2016	Ph.D. in Econometrics, Department of Econometrics and Business Statistics, Monash University Dissertation Title: “ <i>An Econometric Study of Alcohol Consumption and Associated Risky and Antisocial Behaviour</i> ” Supervisors: Professor Xueyan Zhao, Professor Keith R. McLaren and Dr Preety Srivastava
2008 - 2010	MSc in Mathematics-Economics, University of Copenhagen, Denmark
2007 - 2009	MSc in Probability Theory and Mathematical Statistics, Harbin Institute of Technology, China
2003 - 2007	BSc in Mathematics and Applied Mathematics, Harbin Institute of Technology, China

PUBLICATION:

- **Yang, O.**, Chan, Marc K., Cheng, Terence C. and Yong, Jongsay, 2020. Cream skimming: Theory and evidence from hospital transfers and capacity utilization, *Journal of Economic Behavior and Organization*, 173, 68-87. DOI: <https://doi.org/10.1016/j.jebo.2020.03.024>.
- **Yang, O.**, Sivey, P., de Silva, A. and Scott, A., 2019. Pre-school children's demand for sugar sweetened beverages: Evidence from stated-preference panel data. *American Journal of Agricultural Economics*, 102 (2), 480-504. DOI: <https://doi.org/10.1002/ajae.12033>.
- Jiang, B., Kim, J. S., Li, C. and **Yang, O.**, 2018. Social Network Structure and Risk Sharing in Villages. *The B.E. Journal of Economic Analysis and Policy*, 18(3), ISSN (Online) 1935-1682, DOI: <https://doi.org/10.1515/bejeap-2017-0263>..
- **Yang, O.**, Zhao, X. and Srivastava, P., 2016. Binge Drinking and Antisocial and Unlawful Behaviours in Australia. *Economic Record*, 92(297), 222-240. DOI: <https://doi.org/10.1111/1475-4932.12243>.
- McLaren, K., **Yang, O.**, 2016. A Class of Demand Systems Satisfying Global Regularity and Having Complete Rank Flexibility. *Empirical Economics*, 51(1), 315-337. DOI: <https://doi.org/10.1007/s00181-015-0996-x>.

PAPERS UNDER REVIEW

- “Analysis of relationship between health and socioeconomic status to inform development of loading and risk-adjustment approaches for current and future funding models”, with Jongsay Yong. (Under review with European Journal of Health Economics)
- “The impact of environmental policy stringency on industrial productivity growth: A semi-parametric study of OECD countries”, with Xueyan Zhao, Guohua Feng, Keith Maclaren, Xiaohui Zhang. (Under review with Energy Economics)

WORKING PAPERS

- “An Exponential Dynamic Multinomial Response Panel Data Model with Fixed Effects”, with Majid M. Al-Sadoon, Tong Li, M. Hashem Pesaran and Xueyan Zhao. (expected to be submitted to journal by December 2020)
- “Estimating short-term capacity: Theory and an application to invasive coronary angiography for acute myocardial infraction”, with Marc Chan and Jongsay Yong. (expected to be submitted to journal by December 2020)
- “Access to invasive coronary angiography, capacity and mortality of AMI patients”, with Vijaya Sundararajan and Jongsay Yong. (expected to be submitted to journal by December 2020).
- “Beverage Types and Antisocial and Unlawful Behaviours: Does Equal Alcohol Mean Equal Harm?”, with Xueyan Zhao and Preeti Srivastava. (expected to be submitted to journal by June 2020)
- “Australian Households' Purchasing Patterns for Alcoholic Drinks: A Multinomial Discrete Choice Modelling Approach”, with Xueyan Zhao. (expected to be submitted to journal by October 2020)

RESEARCH IN PROGRESS

- “Spatial co-location and service network association effects on hospital performance”
- “Competition and quality in the aged-care market”
- “Competitions in Australian healthcare market”

CONSULTANCY PROJECTS

- “Analysis of relationship between health and socioeconomic status to inform development of loading and risk-adjustment approaches for current and future funding models”, research commissioned by The Victorian Department of Health and Human Services, (with Jongsay Yong), 2017-2018

ENGAGEMENT MEDIA COVERAGE

- Does profit-motivated patient selection exist in Australia? *Research Insight*, 2020
- How to reduce the social cost to binge drinking in Australia? *Research Insight*, 2020
- Invited filming for economic evaluation for a project entitled "Smart Irrigation: Proximal Soil Moisture Sensing for Real-Time Water Delivery Control" by Monash Infrastructure, December 2019
- [Does Equal Alcohol Mean Equal Harm? Beverage Types and Antisocial and Unlawful Behaviours](#), *Health Economics Connect*, December 2018
- [Binge drinkers main offenders for drink-driving, vandalism and violence](#), *Scimex*, 15 March 2016
- [Regular binge drinkers 30 per cent more likely to commit crimes, Monash research](#), *AFN*, 15 March 2016
- [Drinking data shows binge risks](#), *ResearchCareer*, 16 March 2016
- [Study: Binge drinking increases likelihood of committing crime](#), *Beverage*, 16 March 2016
- [Binge drinkers main offenders](#), *MedicalXpress*, 15 March 2016
- [Drinking data shows binge risks](#), *EducationCareer*, 16 March 2016
- [Drinking data shows binge risks](#), *GovernmentCareer*, 16 March 2016
- [Drinking data shows binge risks](#), *HealthCareer*, 16 March 2016
- [Binge drinkers main offenders](#), *Healthcanal*, 15 March 2016

COMMUNITY ENGAGEMENT ACTIVITIES

- Media training, Faculty of Business and Economics, University of Melbourne, January 2020
- MI Professional Development Seminars 2019
- Invited consultation opportunity by Northern Health, December 2019
- Invited interview by the Australian Research Centre in Sex, Health & Society: How researchers and policy makers in Australia, November 2019
- Melbourne Economic Forum, November 2019
- Preparing Your ARC DECRA Workshop, October 2019
- Writing Opinion Pieces Session, University of Melbourne, October 2019
- Inspiring Presenters - Rock Your Presentation Masterclass, University of Melbourne, September 2019
- Invited to join NIB Foundation Health Smart Grants application by Prof. Sardar M. N. Islam at Victoria University, July 2019
- Invited to join HFC Research Foundation grant application by Dr Katharine See at Northern Health, June 2019

- NHMRC Partnership Centre for Health Systems Sustainability Meeting. May 2019, Sydney, Australia
- Invited meeting on aged care projects at Health Engagement and Representation Network, Australian Government Department of Health, November 2018
- Invited meeting at Northern Health for potential engagement opportunities, November 2018
- 2018 Outlook Conference, October 2018
- Invited presentation at The Victorian Department of Health and Human Services, July 2018
- 2017 Outlook Conference, July 2017

ACADEMIC CONFERENCES AND WORKSHOPS WITH PRESENTATIONS

- “Cream skimming: Theory and evidence from hospital transfers and capacity utilization”, The 2019 iHEA World Congress, July 2019, Basel, Switzerland
- “Cream skimming: Theory and evidence from hospital transfers and capacity utilization”, The 2019 Econometric Society Australasian Meeting, July 2019, Perth, Australia
- “Cream skimming: Theory and evidence from hospital transfers and capacity utilization”, The 2019 Asian Meeting of the Econometric Society, June 2019, Xiamen, China
- Discussant of “Hospital Quality, Ownership, and Competition: Evidence from the Hospital Readmissions Reduction Program” (authors: Johannes S. Kunz, Carol Propper, Kevin E. Staub, and Rainer Winkelmann), The 10th Australasian Workshop on Econometrics and Health Economics, April 2019, Darwin, Australia.
- “Social Network Structure and Risk Sharing in Villages”, Asian and Australasian Society of Labour Economics 2018 Conference, December 2018, Seoul, South Korea
- “Does Equal Alcohol Mean Equal Harm? Beverage Types and Antisocial and Unlawful Behaviours”, The 40th Australian Conference of Health Economists, September 2018, Hobart, Australia.
- “Environmental stringency and its impacts on the productivity growth”, The 33rd Annual Congress of the European Economic Association and the 71st European Meeting of the Econometric Society, August 2018, Cologne, Germany.
- “Cream skimming, hospital transfers and capacity pressure”, The 39th Annual Australian Health Economics Society Conference, September 2017, Sydney, Australia.
- “Pre-school children’s demand for sugar sweetened beverages: Evidence from stated-preference panel data”. 2016 Asia Meeting of the Econometric Society, August 2016, Kyoto, Japan.
- “Pre-school children’s demand for sugar sweetened beverages: Evidence from stated-preference panel data”. The Joint 2015 Annual Health Econometrics Workshop and the Seventh Australasian Workshop on Econometrics and Health, December 2015, Hawaii, USA.
- “Pre-school children’s demand for sugar sweetened beverages: Evidence from stated-preference panel data”. The 37th Australian Health Economics Society Conference, October 2015, Brisbane, Australia.
- “Pre-school children’s demand for sugar sweetened beverages: Evidence from stated-preference panel data”. The 21st International Panel Data Conference, June 2015, Budapest, Hungary.
- Discussant of “The Effect of Introducing a Minimum Price on the Distribution of Alcohol Consumption: A Counterfactual Analysis” (authors: Sharma A., Etile F., Sinha, K.), The 6th Australasian Workshop on Econometrics and Health Economics, April 2015, Melbourne, Australia.

- “Drinking Preferences, Binge Drinking and Antisocial/Unlawful Behaviours in Australia”. The 5th Australasian Workshop on Econometrics and Health Economics, April 2014, Fremantle, W.A., Australia.
- “A Class of Demand Systems Satisfying Global Regularity and Having Complete Rank Flexibility”. The Econometric Society Australasian Meetings 2013, July 2013, Sydney, N.S.W, Australia.
- “Drinking Preferences, Binge Drinking and Antisocial/Unlawful Behaviours in Australia”. The 34th Australian Conference of Health Economists, September 2012, Darwin, N.T., Australia.

ACADEMIC CONFERENCES AND WORKSHOPS WITHOUT PRESENTATIONS

- Melbourne Health Economics Group Workshop, University of Melbourne, November 2019
- Structural Matching Workshop, University of Melbourne, November 2019
- 7th MABEL Research and Policy Forum, November 2019
- Workshop on the Economics of Mental Wellbeing, Monash University, September 2019
- Masterclass: Non-linear panel data methods with applications to health and well-being, Monash University, August 2019
- The Digital Tools & Skills Showcase, The University of Melbourne, August 2019
- The Research Bazaar Conference 2019, University of Melbourne, February 2019
- International Workshop on Econometrics and Data Analytics, University of Melbourne, February 2019
- Parallel Processing with HPC, University of Melbourne, October 2018
- Shell Scripting for HPC, University of Melbourne, October 2018
- Workshop in Applied Micro-Econometric Research, University of Melbourne, December 2017
- Two Day Researcher Development Workshop in Torquay, University of Melbourne, August 2017

PROFESSIONAL AND LEADERSHIP ACTIVITIES

- Organizer of The 41st Annual Australian Health Economics Society Conference, September 2019.
- Organizer of Melbourne Institute Seminar Series, 2019
- Organizer of the 10th Annual Health Economics Workshop of The University of Melbourne Health Economics Group, November 2018.
- Moderator of the Breakfast Roundtable at 2018 Outlook Conference
- Organizer of the 8th Annual Health Economics Workshop of The University of Melbourne Health Economics Group, March 2015.
- Referee for: Social Science & Medicine; Health Economics; Economics and Human Biology; Addiction; International Journal of Technology Assessment in Health Care; Economics Bulletin; Economic Modelling; International Journal of Migration, Health and Social Care; Mathematics and Computers in Simulation

SCHOLARSHIPS, AWARDS AND RESEARCH GRANTS

- 2019 The University of Melbourne Early Career Researcher Grants, The University of Melbourne, \$AU 23,149
- [2011 Donald Cochrane Postgraduate Research Scholarship](#), Monash University, \$AU 10,000 per annum for three years

- 2011 Australian Endeavour International Postgraduate Research Scholarship, Monash University, \$AU 92,000
- 2011 Australian Postgraduate Award, Monash University, \$AU 22,860 per annum for three years
- 2011 Dean's Postgraduate Research Excellence Award, Monash University, \$AU 4,791 per annum for three years
- 2008 Danish Governmental Scholarship, University of Copenhagen.

TEACHING EXPERIENCE

- Tutoring ETC 2410/3440 Introductory Econometrics, Monash University. Teaching evaluation: 4.43/5.
- Tutoring ETC 2440 Mathematics for Economics and Business, Monash University. Teaching evaluation: 4.08/5.
- Tutoring ETC 1000 Business and Economic Statistics, Monash University. Teaching evaluation: 4.67/5.

STUDENT SUPERVISION

- Honours student: Harry Tasman Murphy Cruise (co-supervised with Xueyan Zhao), 2016
Topic: Mental Health and Susceptibility to Non-Medical Use of Prescription Drugs
- Honours student: Andrew John Duver (co-supervised with Xueyan Zhao), 2014
Topic: Should all alcoholic beverages be taxed the same? Lost productivity from alcohol consumption.

PROFESSIONAL AFFILIATIONS

- Econometric Society
- International Health Economics Association
- European Economic Association
- Australian Health Economics Society
- Asian and Australasian Society of Labour Economics

OTHER INFORMATION

- Citizenship: Australian
- Languages: English (full professional proficiency), Chinese (native), Danish (basic)
- Programming: R, Stata, Matlab, GAUSS, C++, SAS, High Performance Parallel Computing

REFERENCES

Professor Anthony Scott

Melbourne Institute of Applied Economic and Social Research, The University of Melbourne

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Associate Professor Jongsay Yong

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Professor Xueyan Zhao

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