

# CURRICULUM VITAE

## January 2020

**Jia Yan**

### **Office Address**

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### **Education**

Ph.D. University of California - Irvine, 2002, Economics  
M.A. Nankai University, 1997, Economics  
B.A. Shaanxi Institute of Finance and Economics, 1993, Finance

### **Research Areas**

Applied Microeconomics, Applied Econometrics, Empirical Industrial Organization, Transportation and Urban Economics

### **Full Time Positions Held**

- Professor (with tenure), School of Economic Sciences, Washington State University, since Aug. 2019
- Associate Professor (with tenure), School of Economic Sciences, Washington State University, 2013 - 2019
- Assistant Professor, School of Economic Sciences, Washington State University, 2007 - 2013
- Assistant Professor, Faculty of Business, Hong Kong Polytechnic University, 2004 - 2007
- Research Scientist, ChoiceStream Inc, Cambridge, Massachusetts, USA, 2002 – 2004

### **Visiting Positions**

- Visiting Professor, Nankai University, since 2017
- Academic Advisor, Bayes Data Intelligence Inc., since 2017
- Visiting Scholar, Brookings Institution, Jan. 2015 – Aug. 2015
- Visiting Professor, University of Sydney, May. 2014 – Aug. 2014

### **Awards**

- Best Paper by a Senior Author (joint with Clifford Winston), Kuhmo Nectar Conference and Summer School on Transportation Economics, 2011.
- Best Paper Award (joint with Tae Oum and Chunyan Yu), Transportation Research Forum, 2009
- Silver Medal (*Harmful Algae Indexing (HaiDex) System*, with John Liu, Samuel Lo, K.C. Ho, and T. L. Yip), International Exhibition of Inventions, New Techniques and Products in Geneva, 2008.
- Annual Research Award, Faculty of Business, Hong Kong Polytechnic University, 2006

- Best Doctoral Dissertation Award, Transportation and Public Utility Group of American Economic Association, 2003

### **Editorial Positions**

Associate Editor: *Journal of Air Transport Management*, Oct. 2012 – Oct. 2013

Editorial Board: *Transportmetrica*, since 2006

### **Journal Articles (number of citations from Google Scholar as of Jan. 2020: 1913)**

1. Vehicle size choice and automobile externalities: a dynamic analysis, with Clifford Winston, forthcoming in the *Journal of Econometrics*, 2019
2. Exploring network effects of point-to-point networks: An investigation of the spatial patterns of Southwest Airlines' network, with Xiaowen Fu, H. Jin, X. S. Liu and Tae Oum, *Transport Policy*, 76, 36-45, 2019
3. Airline horizontal mergers and productivity: Empirical evidence from a quasi-natural experiment in China, with Xiaowen Fu, Kun Wang and Tae Oum, *International Journal of Industrial Organization*, 62, 358-379, 2019
4. Measuring the effects of open skies agreements on bilateral passenger flow and service trades: a synthetic control approach applied to Canada data, with Tae Oum, Kun Wang, *Transport Policy*, pp.1-14, 2019
5. Testing the Behavior of Rationally Inattentive Consumers in a Residential Water Market, with Xiangrui Wang (Ph.D. student), Jukwan Lee (Ph.D. student) and Gary Thompson, *Journal of Environmental Economics and Management*, 92, 344-359, 2018
6. Modeling airport capacity choice with real options, with Yibin Xiao, Xiaowen Fu and Tae Oum, *Transportation Research Part B: Methodological*, pp. 93 – 114, June 2017
7. Low-cost carrier competition and route entry in an emerging but regulated aviation market, with Zheng Lei, Xiaowen Fu and Kun Wang, *Transportation Research Part A: Practice and Policy*, pp. 65-83, September 2015
8. Effects of corruption on the efficiency of the European airports, with Laingo Randrianarisoa, Denis Bolduc, Yap Yin Choo and Tae Oum, *Transportation Research Part A: Practice and Policy*, pp. 65-83, September, 2015
9. Misalignment of Interest between Managers and Investors in the Allocation of Resources to Cyber-Security, with Bin Srinidhi and Giri Kumar Tayi, *Decision Support Systems*, pp.49-62, July 2015.
10. Open Skies: Estimating Travelers' Benefits from Free Trade in Airline Services, with Clifford Winston, *American Economic Journal: Economic Policy*, pp. 370-414, May 2015.

11. Designing a Market for Privatized Airports: the Case of San Francisco Bay Area, with Clifford Winston, *Journal of Public Economics*, July (115), pp. 146-157, 2014.
12. The Effect of Government Corruption on the Efficiency of U.S. Commercial Airports, with Tae Oum, *Journal of Urban Economics*, March (80), pp. 119-132, 2014.
13. An Analysis of Travel Demand in Japan's Inter-city Market: Empirical Estimation and Policy Simulation, with Xiaowen Fu and Tae Oum, forthcoming in the *Journal of Transport Economics and Policy*, January (48), pp. 97-113, 2014.
14. Quality Differentiation with Flavors; Demand Estimation of Unobserved Attributes, with Daniel Toro-Gonzalez (Ph.D. student), Karina Gallardo, and Jill McCluskey, *Journal of Agricultural and Food Industrial Organization*, 11, pp. 1-11, 2013.
15. Can Privatization of U.S. Highways Improve Motorists' Welfare?, with Clifford Winston, *Journal of Public Economics*, August (95), pp. 993-1005, 2011.
16. Spatial Differences in Price-Elasticity of Demand for Ethanol, with Hayk Khachatryan (Ph.D. student) and Ken Casavant, *Journal of Transportation Research Forum*, Vol. 50, No.3, pp. 43-61, 2011
17. Valuation of Information-Sharing in Marine Mutual Insurance, with Kevin Li and John Liu, *Risk and Decision Analysis*, March (2), pp. 65-74, 2011
18. Assessing Container Operator Efficiency with Heterogeneous and Time-Varying Production Frontiers, with Xinyu Sun and John Liu, *Transportation Research Part B: Methodological*, January (43), pp. 172-185, 2009.
19. Ownership Forms Matter for Airport Efficiency: A Stochastic Frontier Investigation of Worldwide Airports, with Tae Oum and Chunyan Yu, *Journal of Urban Economics*, September (64), pp. 422-435, 2008.
20. Threshold Control of Mutual Insurance with Limited Commitment, with Kevin Li and John Liu, *Insurance: Mathematics and Economics*, August (43), pp. 108-115, 2008.
21. Differentiated Pricing, Express Lanes, and Carpools: Exploiting Heterogeneous Preferences in Policy Design, with Kenneth A. Small and Clifford Winston, *Brookings-Wharton Papers on Urban Affairs*, Vol. 7, pp. 53 – 96, 2006
22. Uncovering the Distribution of Motorists' Preferences for Travel Time and Reliability, with Kenneth A. Small and Clifford Winston, *Econometrica*, 73(4), pp. 1367 – 1382, 2005 (Reprinted in: US Bureau of Transportation Statistics, *Compendium on Congestion: Issues and Analyses Across Modes* (Washington, DC: 2007))

23. Choice Models of Route, Occupancy, and Time-of-Day with Value Priced Tolls, with Kenneth A. Small and Edward Sullivan, *Transportation Research Record*, 1812, pp. 69-77, 2002
24. The Value of Value Pricing on Roads: Second-Best Pricing and Product Differentiation, with Kenneth A. Small, *Journal of Urban Economics*, March (49), pp. 310-336, 2001

### **Manuscripts under review**

1. Costly Signaling in E-Commerce Markets: Empirical Evidence from A Quasi-Experiment on Taobao.com, with Jiehong Qiu (Ph.D student), Xinyu Sun, 2018, under review
2. Quantifying travelers' welfare gain from mega-airline mergers, with Xinlong Tan (Ph.D student) and Lanbin Li, 2018, under review

### **Working papers**

1. Supreme split: Comparing the Roberts and Rehnquist courts' ideological preferences toward business accounting for case selection, with Clifford Winston and Quentin Karpilow, 2016
2. The effects of transport infrastructure on wage and employment growth in small cities: theory and empirical evidence from China, with Lanbin Li, Binglian Liu and Jiehong Qiu (Ph.D student), 2018
3. Low-cost carrier competition in both U.S. and Europe: implications for foreign carriers' Effect on fares in U.S. domestic markets, with Clifford Winston and Xinlong Tan (Ph.D. student), 2018.

### **Papers in progress**

1. A Dynamic Switching Model of Smartphone Users on a Product Attribute Space Augmented from Customers' Reviews, with Xinlong Tan (Ph.D student)
2. Quantifying the benefits of Uber services to travelers, with Clifford Winston
3. Quantifying quality of life of Chinese cities using urban big data, with Lanbin Li
4. Measuring business environment of Chinese cities from location choices of 10 million new businesses registered, with Lanbin Li

### **Book Review**

1. *A Handbook of Transport Economics*, edited by André De Palma, Robin Lindsey, Emile Quinet, and Roger Vickerman, forthcoming in *Journal of Regional Science*, Dec. 2012

## **GRANTS AND CONTRACT SUPPORT In PAST FIVE YEARS**

1. Advanced multimodal mobility, U.S. Department of Transportation, \$180,000, P.I.: Xianmin Shi and Co-P.I.: **Jia Yan (1,2,3,4 \$38,000)**
2. Transportation Environmental Sustainability in Cold Regions, \$340,000, P.I: Liv Haselbach and Co-P.I: **Jia Yan (1,2,3,4 \$50,000)**

## **Teaching Experience**

*At Washington State University:*

Transportation Economics (Undergraduate)

Industrial Organization (Undergraduate)

Labor Economics (Undergraduate)

Microeconomic Theory (Ph.D Core)

Mathematics for Economists (Ph.D)

Econometrics Sequence (Ph.D Core)

Topics in Applied Microeconomics (Ph.D)

*At Hong Kong Polytechnic University:*

Introduction to Microeconomics with applications in maritime and port (Undergraduate), Statistics (Graduate)

## **Graduate Students Advised**

Main advisor of 10 Ph.D students and 2 master students

Dissertation committee member of other 11 Ph.D students and 1 master student

## **Services**

Department Recruiting Committee, 2007, 2008, 2011, 2013

Ph.D qualifying examination committee, 2009-2018

Graduate Study Committee, 2011-2018

## **Referee for Economics Journals**

*American Economic Journal: Economic Policy, Econometrica, Economic Inquiry, International Economic Review, Games and Economic Behavior, Journal of Applied Econometrics, Journal of Banking and Finance, Journal of Public Economics, Journal of Transport Economics and Policy, Journal of Urban Economics, Regional Science and Urban Economics, Review of Environmental Economics and Policy, Review of Industrial Organization, Review of Network Economics, Review of Economics and Statistics, Southern Economic Journal*

## **Referee for Other Journals**

*European Journal of Operations Research, Information Systems Research, IEEE Transaction on Automatic Control, International Journal of Production Economics, Journal of Advanced Transportation, Journal of Agriculture and Applied Economics, Journal of Choice Modeling, Journal of Public Transportation, Journal of Systems Science and Systems Engineering, Journal of Transportation Systems Engineering and Information Technology, Review of Urban and*

*Regional Development Studies, Transportmetrica, Transport Policy, Transportation Research A,  
B, C, D, E*