

## **JIA YAN, Ph.D**

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### **EXPERTISE:**

Jia Yan is a Professor of Economics at Washington State University. He received his Ph.D. in Economics from University of California at Irvine. Before joining Washington State University in 2007, he taught in Faculty of Business of the Hong Kong Polytechnic University.

Yan's research covers Transportation Economics, Applied Microeconomics, and Applied Econometrics. He has published his papers in such journal as *Econometrica*, *American Journal of Economics: Economics Policy*, *Journal of Econometrics*, *Journal of Public Economics*, *Journal of Urban Economics*, *Journal of Environmental Economics and Management*, *Journal of Law and Economics*, *Transportation Research Part A and B*, and *Transportation Research Record*. His Ph.D. dissertation won the dissertation award of the Transport and Public Utility Group of the American Economic Association in 2003. He also won the research excellence award of the Faculty of Business of the Hong Kong Polytechnic University in 2006, the best paper award in Transportation Research Forum in 2009, and the best paper award of International Transportation Economics Association in 2011. He has served the editorial board of *Transportmetrica* since 2007.

### **ACADEMIC TRAINING:**

Ph.D. University of California, Irvine (July 2002).

### **PROFESSIONAL EXPERIENCE:**

- Professor (with tenure), School of Economic Sciences, Washington State University, since Aug. 2019
- Associate Professor (with tenure), School of Economic Sciences, Washington State University, starting from Aug. 2013-Aug.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

### **Books**

1. [Trouble at the Bar: An Economics Perspective on the Legal Profession and the Case for Fundamental Reform](#), with Clifford Winston and David Burk, Brookings Press, March 2021
2. Revitalization a nation: Competition and innovation in the US transport system, with Clifford Winston, Brookings Press, forthcoming

### **Journal Articles**

1. Does Uber Benefit Travelers by Price Discrimination?, with Yenjae Chang (Ph.D student) and Clifford Winston, 2021, forthcoming in the *Journal of Law and Economics*
2. Vehicle size choice and automobile externalities: a dynamic analysis, with Clifford Winston, *Journal of Econometrics*, pp. 196-218, May 2021
3. An Exploratory analysis of flight delay propagation in China, with Xinlong Tan, Kun Wang and Rongwen Jia, *Journal of Air Transport Management*, May 2021
4. On-time performance policy in the Chinese aviation market - An innovation or disruption?, with Kun Wang, Lei Zheng, Xiaowen Fu and Shaoxuan Liu, *Transport Policy*, 95, 2019.
5. Measuring the effects of open skies agreements on bilateral passenger flow and service export and import trades, with Kun Wang and Tae Oum, *Transport Policy*, 74, 2019
6. 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
7. Modeling Inattentive Consumer's Residential Energy Demand, with Xiangrui Wang (Ph.D student) and Jukwan Lee (Ph.D student), *Journal of Environmental Economics and Management*
8. 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
9. 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
10. 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
11. 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
12. 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.
13. Open Skies: Estimating Travelers' Benefits from Free Trade in Airline Services, with Clifford Winston, *American Economic Journal: Economic Policy*, pp. 370-414, May 2015.

14. 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.
15. 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.
16. 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.
17. 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.
18. Can Privatization of U.S. Highways Improve Motorists' Welfare? with Clifford Winston, *Journal of Public Economics*, August (95), pp. 993-1005, 2011.
19. 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
20. Valuation of Information-Sharing in Marine Mutual Insurance, with Kevin Li and John Liu, *Risk and Decision Analysis*, March (2), pp. 65-74, 2011
21. 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.
22. 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.
23. Threshold Control of Mutual Insurance with Limited Commitment, with Kevin Li and John Liu, *Insurance: Mathematics and Economics*, August (43), pp. 108-115, 2008.
24. 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
25. 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))

26. 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
27. 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

**SUMMARY OF RESEARCH GRANTS AND THESIS SUPERVISED:**

Total research grants: \$188,000 (PI and Co-PI)  
Thesis supervised: Ph.D.: 11; 8 completed and 3 in progress; M.S.: 5 completed