Zhide Wang

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Academic Positions

Texas A&M University

Lecturer, 2024.

Teaching Assistant, 2022, 2023.

Research Assistant, 2018-Now.

Education

Ph.D candidate, Texas A&M University, USA, 2024.

DISSERTATION TITLE: Structural Estimation of Partially Observable Markov Decision Processes and Partially Observable Stochastic Games: Theory and Applications.

COMMITTEE: Yanling Chang (chair), Alfredo Garcia (co-chair), Nathan Yang, Brandon Schmeichel, Ceyhun Eksin

B.S. Industrial Engineering, Shanghai Jiaotong University, China, 2016.

Research Interests

Structural estimation; partially observable Markov decision processes; partially observable stochastic games; retail investment; cognitive fatigue.

Work In Progress

Zhide Wang, Nathan Yang, Yanling Chang, Yiran Liu. A sensitivity analysis of retail sectors to business cycle.

Zhide Wang, Alfredo Garcia, Yanling Chang. Dynamic discrete choice with categorical perception.

Peer-reviewed Publications

Wang, Z., Chang, Y., Yang, N., & Garcia, A. (2024). Retail Investment under Hidden Business Cycle. Available at SSRN.

Wang, Z., Chang, Y., Schmeichel, B. J., & Garcia, A. A. (2022). The Effects of Mental Fatigue on Effort Allocation: Modeling and Estimation. *Psychological Review*, 129(6), 1457–1485.

Chang, Y., Garcia, A., Wang, Z., & Sun, L. (2022). Structural Estimation of Partially Observable Markov Decision Processes. *IEEE Transactions on Automatic Control*.

Conference and Seminars

(Forthcoming) Theory + Practice in Marketing, 2024, The University of Texas at Austin.

INFORMS Annual Meeting, 2023, Phoenix, AZ.

Texas A&M University, 2023.

Professional Services

Reviewer, *Ergonomics*, 2022.

Last updated: April 20, 2024