

GUOFANG HUANG

Purdue University
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EMPLOYMENT

Assistant Professor, Purdue University, June 2018 - present.
Amazon Visiting Academic, May 2022 - present.
Assistant Professor, Carnegie Mellon University, July 2013 - June 2018.
Postdoctoral Associate, Yale School of Management, July 2010 - June 2013.
Advisor: K. Sudhir.

EDUCATION

Ph.D. in Economics, Johns Hopkins University, 2011.
Thesis advisors: Joseph Harrington, Matthew Shum, Przemyslaw Jeziorski.
M.A. in Economics, Peking University, China, 2005.
B.E. in Urban Planning, Tongji University, China, 2002.

RESEARCH AREAS

Quantitative Marketing, Empirical Industrial Organization, Applied Econometrics.

SUBSTANTIVE RESEARCH INTERESTS

Algorithmic and Dynamic Pricing, Consumer Decision and Demand Models, Digital marketing, Market Design, Sales and Customer Relationship Management.

COURSES TAUGHT

Marketing management (Undergraduate, MGMT 324, Purdue; 70-381, CMU), Data-driven marketing (Master, MGMT 691, Purdue), Structural Empirical Models in Marketing and IO (PhD, MGMT 621, Purdue; 47-753, CMU).

PUBLICATIONS

- [1] robustpf: Software for Robust Estimation of Production Functions. (with Yingyao Hu and Yuya Sasaki), forthcoming, *The Stata Journal*.
- [2] "Selling Mechanism Design for Peer-to-Peer Lending and Related Markets: the Multi-unit Uniform-price Open Auction vs. Fixed Price," 2022, *Journal of Marketing Research*.
- [3] "Estimating Expectations-Based Reference-Price Effects in the Used-Car Retail Market," (with Haiyan Liu), 2021, *Quantitative Marketing and Economics*.
- [4] "The Causal Effect of Service Satisfaction on Customer Loyalty," (with K. Sudhir), 2021, *Management Science*.
The winner of AMA 2021 SERVSIG Best Service Paper Award
- [5] "Estimating Production Functions with Robustness against Errors in the Proxy Variables," 2020, (with Yingyao Hu and Yuya Sasaki), *Journal of Econometrics*.
- [6] "When to Haggle, When to Hold Firm? Lessons from the Used Car Retail Market." 2020, *Journal of Economics and Management Strategy*.
- [7] "Is Pharmaceutical Detailing Informative? Evidence from Contraindicated Drug Prescriptions," 2019, (with Matt Shum and Wei Tan), *Quantitative Marketing and Economics*.
- [8] "Invest in Information or Wing It? A Model of Dynamic Pricing with Seller Learning," 2019, (with Hong Luo and Jing Xia), *Management Science*.
- [9] "Short-Run Needs and Long-Term Goals: A Dynamic Model of Thirst Management," 2015, (with Ahmed Khwaja and K. Sudhir). *Marketing Science*.

WORKING PAPERS

- [10] “Can You Judge a Car by Its History? Vehicle History Reports and the Efficiency of the Used-Car Retail Market,” Under review, (with Haiyan Liu and Hong Luo).
- [11] “Semi-parametric Estimation of the Stochastic Utility Model of Choice: the Case with Dynamic Adverse Selection,” (with Jeremy Fox and Haiyan Liu).
- [12] “The Sharing of Proprietary Customer Information and Behavior-based Price Discrimination.”

WORK IN PROGRESS

- [13] “The Value of Human Judgement in Cross-selling Algorithm-Recommended Products,” (with K. Sudhir and Fei Teng).
- [14] “The Value of Seller Badges in the Age of Ratings and Reviews: An Empirical Study of Airbnbs Superhost Program,” (with Rajan Misra and Manu Kalwani).
- [15] “Supply-Constraint Regulations of the Short-term Rental Platforms and the Affordability in the Long-term Rental Markets,” (with Susan Lu, Jenny Shen, and Qian Li Xu).
- [16] “Consumer Brand Loyalty and the Retail Shopping Environment”, (with Manu Kalwani and Rajan Misra).
- [17] “The Voice of Customers and Service Quality Dynamics,” (with K. Sudhir).
- [18] “Dynamic Cross-selling by Multitasking Service Agents,” (with K. Sudhir).

CONFERENCE AND SEMINAR PRESENTATIONS

- 2023: National University of Singapore (Econ, scheduled)
- 2022: The 2022 Asian Pacific Industrial Organization Conference
- 2021: The Chinese University of Hong Kong, Southern Economic Association Conference.
- 2020: Indiana University (Econ) (canceled due to Covid)
- 2019: University of Toronto (Econ), University of Toronto (Rotman School of Management), UC Riverside
- 2018: Econometric Society North America Winter Meeting
- 2017: International Industrial Organization Conference, UC San Diego, SICS, Econometric Society North America Summer Meeting, University of College London, Purdue University, University of Central Florida, University of Arizona
- 2016: Chicago Booth, International Industrial Organization Conference, Marketing Science Conference.
- 2015: Econometric Society North America Winter Meeting, University of Southern Florida (Econ), Marketing Science Conference.
- 2014: International Industrial Organization Conference.
- 2013: Marketing Science Conference.
- 2012: Yale, Duke, Carnegie Mellon, University of British Columbia, Washington University at St. Louis, University of Wisconsin at Madison, CKGSB.
- 2010: Hong Kong University of Science and Technology (Econ), Singapore National University (Econ), International Industrial Organization Conference.

GRANTS AND AWARDS

- AMA 2021 SERVSIG Best Service Paper Award
- Krannert Young Faculty Scholar Award, Purdue University, 2021-2022
- Berkman Faculty Development Fund, Carnegie Mellon University, 2013-2015

PROFESSIONAL EXPERIENCE

- Member, *Marketing Science* Editorial Review Board, Jan 2020 - present
- Ad hoc reviewer for: *Information System Research*, *Journal of Econometrics*, *Management*

Science, Marketing Science, Rand Journal of Economics, Review of Economic Studies, Research Grants Council (RGC) of Hong Kong.

MISC. INFO

Programming Proficiency in: MATLAB, Python, R, SQL, Stata.

Languages: Mandarin Chinese (native), English (fluent).