

CURRICULUM VITAE

Panle Jia Barwick

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Professional Experience

Academic Positions

- Professor, Cornell, 2020 –
- Associate Professor (with tenure), Cornell, 2013 –
- Visiting Professor, Chinese University of Hong Kong, December 2012
- Rudi Dornbusch Career Development Associate Professor (without tenure), MIT, 2011 – 2013
- Rudi Dornbusch Career Development Assistant Professor, MIT, 2009 – 2011
- Visiting Professor, University of Chicago Booth School of Business, 2008 – 2009
- Visiting Professor, University of Chicago, Department of Economics 2009
- Assistant Professor, MIT, July 2006 – 2009

Professional Affiliations

- Editor, *Journal of Industrial Economics*, 2021—
- Associate Editor, *International Journal of Industrial Organization*, 2021 --
- Associate Editor, *RAND Journal of Economics*, 2020 --
- Co-Editor, *China Economic Review*, 2019 -- 2020
- Associate Editor, *China Economic Review*, 2018 -- 2019
- Editorial board, *VoxChina*, 2017 –

- East Asian Program Core Faculty, Cornell, 2016 –
- Faculty fellow of David R. Atkinson Center for a Sustainable Future, 2016 –
- Founder and Co-director, Cornell Institute for China Economic Research, 2015 –
- Faculty Research Associate, National Bureau of Economic Research, 2013 –
- Faculty Research Fellow, National Bureau of Economic Research, 2007 – 2013
- Member, American Economic Association, Econometric Society, 2006 –

Education

- Ph.D. in Economics (*with distinction*), Yale University, 2006
Dissertation Title: *Entry and Competition in the Retail and Service Industries*
Dissertation Committee: Steven Berry (*co-chair*), Penny Goldberg (*co-chair*), Hanming Fang, Philip Haile
- M.A. in Economics, Tufts University, 1999
- B.A. in Economics, Fudan University, China 1997

Fields of Concentration:

Industrial Organization
 Applied Econometrics
 Applied Microeconomics
 Chinese Economy

Fellowships, Honors, and Awards:

2020 ZJU-Cornell Joint Seed Fund Grant
 2020 Atkinson Center Rapid Response Research Grant
 2020 Cornell Center for Social Sciences COVID Grant
 2018 Center for Transportation, Environment, and Community Health New Research Initiative Grant
 2016 Jeffrey S. Lehman Fund
 2016 – 2019 Institute for the Social Sciences Collaborative Project: “China’s Cities: Migration, Development, and Environment,” with Eli Friedman, Shanjun Li, Jessica Weiss, and Jeremy Wallace
 2015 Nominated for Cornell University’s Faculty Award on Excellence in Teaching, Advising, and Mentoring of Graduate and Professional Students
 2015 Atkinson Center for a Sustainable Future in-Residence Fellowship
 2012 – MISTI Global Seed Grant: “The Impact of International Chains on China’s Retail Industry”
 2011 – National Science Foundation Grant: “Social Inefficiencies in the Real Estate Brokerage Industry”
 2009 – 2013 Rudi-Dornbush Career Development Professorship
 2008 Tufts Economics Alumni Achievement Award, Inaugural Recipient
 2007 SHASS Research Fund, MIT
 2007 Advanced Young Scientist Award, University of Arizona
 2007 Zellner Award for Best Dissertation, American Statistical Association
 2006 Review of Economic Studies’ European Seminar Tour Speaker
 2005 Horowitz Foundation Fellowship for Social Policy
 2004 Yale University Dissertation Fellowship
 2003 Carl Arvid Anderson Prize Fellowship, Yale University

Peer-reviewed Publications:

[1] “Estimating the Effects of Global Patent Protection in Pharmaceuticals: A Case Study of Quinolones in India,” with Shubham Chaudhuri and Penny Goldberg, *American Economic Review*, 96(5): 1477-1514, December 2006.

Reprinted in ‘Measuring WTO’s Contributions to Global Economic Welfare’, Edited by Kym Anderson.

[2] “What Happens When Wal-Mart Comes to Town: An Empirical Analysis of the Discount Retail Industry,” *Econometrica*, 76(6): 1263-1316, November 2008.
Winner of the Zellner Award for Best Dissertation, American Statistical Association.

[3] “Tracing the Woes: An Empirical Analysis of the Airline Industry,” with Steven Berry, *American Economic Journal: Microeconomics*, 2(3): 1-43, August 2010.
Lead article.

[4] “The Impact of Commissions on Home Sales in Greater Boston,” with Parag Pathak, *American Economic Review (Papers and Proceedings)*, 100(2): 475-459, May 2010.

[5] “Inference for Parameters Defined by Moment Inequalities: A Recommended Moment Selection Procedure,” with Donald Andrews, *Econometrica*, 80(6): 2805-2826, November 2012.
Earlier version: Cowles Foundation Discussion Paper No. 1676R, 2008

[6] “The Cost of Free Entry: An Empirical Analysis of Real Estate Agents in Greater Boston,” with Parag Pathak, *RAND Journal of Economics*, 46(1), pp. 103-145, January 2015.
The top five most cited article published in *RAND* from 2015-2017.
Earlier version: NBER Working Paper No. 17227, 2011.

[7] “Conflicts of Interest and Steering in Residential Brokerage,” with Parag Pathak and Maisy Wong, *American Economic Journal: Applied Economics*, 9(3), pp. 191-222, July 2017.
Featured in AEA Research Highlights July 2017 <https://www.aeaweb.org/research/charts/real-estate-agent-high-commission>. Covered by *The Economist* Feb 2020.
Earlier version: NBER Working Paper No. 21489, 2015.

[8] “Tightening Belts to Buy a Home: Consumption Responses to Rising Housing Prices in Urban China,” with Andrew Waxman, Yuanning Liang, Shanjun Li, and Meng Zhao, January 2020, *Journal of Urban Economics, special issue*.

[9] “Competition in the Real Estate Brokerage Industry: A Critical Review,” with Maisy Wong, 2019, the Brookings Institution Publication.

[10] “Local Protectionism, Market Structure, and Social Welfare: China’s Automobile Market,” with Shengmao Cao and Shanjun Li, NBER working paper. Forthcoming at *American Economic Journal: Economic Policy*.

Working Papers:

[11] “The Morbidity Cost of Air Pollution: Evidence from the World’s Largest Payment Network,” with Shanjun Li, Deyu Rao, and Nahim Zahur, NBER working paper. Revise and resubmit at *Journal of the European Economic Association*. Covered by *The Economist* June 2018.

[12] “Information, Mobile Communication, and Referral Effects,” with Yanyan Liu, Eleonora Patacchini, Qi Wu, 2019. NBER working paper 25873. Revise and Resubmit at *American Economic Review*.

[13] “From Fog to Smog: Evidence from China’s Recent Air Quality Disclosure,” with Shanjun Li, Ligu Lin, and Eric Zou, 2020. NBER Working Paper No. 26541. Revise and Resubmit at *American Economic Review*.

[14] “The Effect of Temperature Shocks on Household Consumption,” with Wangyang Lai, Shanjun Li and Yanyan Liu. Revise and Resubmit at *Nature Human Behavior*.

[15] “China’s Industrial Policy: an Empirical Evaluation,” with Myrto Kalouptsi and Nahim Bin Zahur, Cornell working paper, 2020. NBER working paper No. 26075. Under review. Covered by *The Economist* Jan 2020.

[16] “Quid Pro Quo, Knowledge Spillovers and Industrial Quality Upgrading,” with Jie Bai, Shengmao Cao, and Shanjun Li. Under review.

[17] “Commercial Casualties: Political Boycotts and International Disputes,” with Shanjun Li, Jeremy Wallace, Jessica Chen Weiss, 2020. Under review.

[18] “Road Rationing Policies and Housing Markets,” with Rhiannon Jerch, Shanjun Li, and Jing Wu. Under review.

[19] “Transportation Infrastructure And Pollution Mitigation,” with Dave Donaldson, Shanjun Li, Yatang Lin, and Deyu Rao. Under review.

[20] “COVID-19 Pandemic and Unemployment: Evidence from Mobile Phone Data in China,” with Yongheng Deng, Xinfei Huang, Shanjun Li and Teng Li. Under review.

[21] “Efficiency and Equity Impacts of Urban Transportation Policies with Equilibrium Sorting,” with Shanjun Li, Andrew Waxman, Jing Wu, Tianli Xia.

“Confidence Regions for Parameters in Discrete Games with Multiple Equilibria, with an Application to Discount Chain Store Location,” with Donald Andrews and Steven Berry, 2004, Superseded by “Inference for Parameters Defined by Moment Inequalities,” *Econometrica*, 80(6): 2805-2826, November 2012.

“Conflicts of Interest and the Realtor Commission Puzzle,” with Parag Pathak and Maisy Wong, NBER working paper 21489, 2015. Superseded by “Conflicts of Interest and Steering in Residential Brokerage,” *American Economic Journal: Applied Economics*, 2016.

“Air Pollution, Health Spending and Willingness to Pay for Clean Air in China,” with Shanjun Li, Deyu Rao, and Nahim Bin Zahur, SSRN working paper, superseded by “The Morbidity Cost of Air Pollution: Evidence from Consumer Spending in China,” NBER Working Paper 24688.

Work in Progress:

[22] “The Welfare Effects of Passenger Transportation Infrastructure: Evidence from China’s High-Speed Rail Network,” with Dave Donaldson, Shanjun Li, Yatang Lin.

[23] “Dining on the Government’s Dime vs. Dining on your own Dime,” with Hanming Fang and Shanjun Li.

Other Publications and Non-academic presentations:

Panelist at Federal Trade Commission and Department of Justice public workshop, “What’s New in Residential Real Estate Brokerage Competition,” June 2018, <https://www.ftc.gov/news-events/events-calendar/2018/04/whats-new-residential-real-estate-brokerage-competition-ftc-doj>

“Air Pollution, Health Spending and Willingness to Pay for Clean Air,” with Shanjun Li, Deyu Rao, and Nahim Zahur, VoxChina, Aug 2017. Also broadcasted by a Singaporean video podcast (Wu Zhijian's Evidentialist Channel).

“The Morbidity Cost of Air Pollution: Evidence from Consumer Spending in China,” with Shanjun Li, Deyu Rao, and Nahim Zahur, VoxEU, Sep 2018. Also published in VoxDev, May 2019.

“Industrial Policies: Lessons Learned from China,” with Myrto Kalouptsidi and Nahim Zahur, VoxChina, Sep 2019. Also published in VoxEU, Sep 2019.

“From Fog to Smog: Evidence from China’s Recent Air Quality Disclosure,” with Shanjun Li, Ligu Lin, and Eric Zou, VoxChina, VoxDev, VoxEU, NBER Digest, Jan 2020.

Invited Seminar Presentations and Conference Presentations (or Discussions):

- 2021 Princeton University, American Economic Association Annual Meeting, Texas A&M University, Arizona State University, Baruch College, North America Econometric Society Meeting, National Bureau of Economic Research IO Program, State University of New York at Stony Brook
- 2020 National University of Singapore, Singapore Management University, Chinese University of Hong Kong, CWE International Workshop, Smith Forum Nanjing University, Digital Economy and Social Science Lab Webinar Series, Stanford IO Virtual Seminar Series, Zhejiang University, National Bureau of Economic Research Chinese Economy Workshop, the inaugural Women in International Economics (WIE) Conference, WEorg Mentoring Workshop, China Econ Lab Workshop, NBER Chinese Economy Workshop
- 2019 American Economic Association Annual Meeting, Econometric Society Annual Meeting (session chair), CeMent Workshop (mentor), International Industrial Organization Conference (Program Committee), Brown University, Simon Business School University of Rochester, University of California San Diego, School of Global Policy and Strategy, University of California San Diego, Stanford University, European Association for Research in Industrial Economics (invited session), National Bureau of Economic Research Chinese Economy Workshop, McCombs School of Business, University of Texas at Austin, School of Applied Economics &

- Management at Cornell University, University of Berkeley, Federal Trade Commission Microeconomics Conference (Keynote speaker), Hong Kong University, Xiamen University, Chinese University of Hong Kong-Shenzhen, Fudan University, Tongji University, Zhejiang University, Zhejiang Gongshang University, Nanjing University, Southeastner University, Nanjing University of Finance and Economics, Nanjing Audit University, JiNan University, South China University of Technology, Sun Yat-sen University
- 2018 Cornell University, University of Pennsylvania, Massachusetts Institute of Technology, Harvard University, International Monetary Fund, Shanghai Technology University, China Econometric Society Meeting at Fudan University, The Chinese University of Hong Kong, Shenzhen, Hong Kong University, Institute for Economic and Social Research at Jinan University, Xiamen University, Beijing University
- 2017 Cornell University, Annual International Industrial Organization Conference at Boston, HEC Montreal-CIRANO-RIIB Conference on Industrial Organization, University of British Columbia, Simon Business School of University of Rochester
- 2016 University of Washington, National Bureau of Economic Research Summer Institute, New York University Industrial Organization Conference, Cornell University, Department of Justice, Antitrust Division, Cornell University and Penn State University Econometrics and Industrial Organization Conference, National Bureau of Economic Research China Economy Working Group, University of Wisconsin
- 2015 Cornell University Economics Department, Cornell University Atkinson Center for a Sustainable Future, Department of Justice, Fudan University, Shanghai University of Finance and Economics, National Bureau of Economic Research Summer Institute, Yale University
- 2014 National Bureau of Economic Research Conference on the Chinese Economy, UCLA Anderson School of Management
- 2013 American Economic Association Annual Meeting, Hong Kong University of Science and Technology
- 2012 Georgetown, University of Toronto, London School of Economics, Stanford Graduate Scholl of Business, Duke University, Cornell University, University of California, Los Angeles, Haas School of Business, University of California Berkeley, Pennsylvania State University, Maryland University, Carnegie Mellon University, Chinese University of Hong Kong,
- 2011 American Economic Association Annual Meeting, Yale University, School of Management, University of Michigan, Washington University Olin Business School, Columbia University, the Wharton School of the University of Pennsylvania, Harvard University, Yale Marking-Industrial Organization Conference, Pennsylvania State University Conference on Auctions and Procurements, National Bureau of Economic Research Working Group in Organizational Economics, National Bureau of Economic Research Summer Institute, Northeastern University, Princeton University, U.S. Department of Justice, Massachusetts Institute of Technology, University College London
- 2010 American Economic Association Annual Meeting, Yale University, John Hopkins University, University College London, Toulouse School of Economics

- 2009 American Economic Association Annual Meeting, University of Chicago Booth Business School, Quantitative Marketing Economics Conference, National Bureau of Economic Research Summer Institute
- 2008 Pennsylvania State University, Tufts University, Vanderbilt University, Harvard University, University of Maryland, U.S. Department of Justice, University of Minnesota
- 2007 American Economic Association Annual Meeting, University of Arizona, Washington University Olin Business School, Pennsylvania State University, Boston University, Duke University, Stanford University
- 2006 University of California, San Diego, University of California, Los Angeles, University of Minnesota, Princeton University, New York University, New York University Stern School of Business, Harvard University, University of Chicago, Columbia University, Columbia Business School, University of Pennsylvania, Massachusetts Institute of Technology, University of Michigan, Northwestern University, Northwestern Kellogg School of Management, Wisconsin University, Review of Economic Studies European Tour
- 2005 New York State University, Stony Brook, International Industrial Organization Conference
- 2004 Chinese Economic Association in North America Annual Conference, American Economic Association Annual Meeting
- 2003 Northeast Universities Development Consortium Conference

Conference Organization

North American Winter Meeting of the Econometric Society, Program Committee, 2022
 China Meeting of the Econometric Society, Program Committee, 2021
 North American Summer Meeting of the Econometric Society, Program Committee, 2021
 CSWEP mentoring program, 2021

Major Asia-Pacific IO conference (APIOC), Program Committee, 2020 –
 European Association for Research in Industrial Economics, Scientific Committee, 2019 --
 International Industrial Organization Conference, Program Committee, 2019 –
 Chinese economy virtual workshop, 2020 –
 Cornell Institute for China Economic Annual Research Conference, 2016 –
 Cornell/Penn State Conference in Econometrics and Industrial Organization, 2015-

Federal Trade Commission Microeconomics Conference Scientific Committee, 2019
 National Bureau of Economic Research Summer Institute IO Program Co-organizer, 2019
 Econometric Society Annual Meeting, Session chair, 2019

Referee Service:

American Economic Review

American Economic Journal: Applied Micro
 Econometrica
 The Economic Journal
 Economic Letters
 European Economic Review
 Hong Kong Research Grant Council
 International Economic Review
 International Journal of Industrial Organization
 Journal of Applied Econometrics
 Journal of Business and Economic Statistics
 Journal of Economics and Management Strategy
 Journal of European Economic Association
 Journal of Industrial Economics
 Journal of International Economics
 Journal of Law, Economics, and Organization
 Journal of Political Economy
 Journal of Public Economics
 Journal of Urban Economics
 Marketing Science
 National Science Foundation
 Quantitative Economics
 Quarterly Journal of Economics
 Quantitative Marketing and Economics
 Rand Journal of Economics
 Review of Economics and Statistics
 Review of Economic Studies
 Review of Industrial Organization.

Proposal Review:

Atkinson Center
 Hong Kong Research Grant Council
 Klarman Fellowship Proposal Review (Cornell)
 Mercatus Center
 National Science Foundation

Advisees:

Current PhD thesis advisees (* indicates committee chair):
 Luming Chen (*)
 Jee Hun Choi (*)
 Hyuk-soo Kwon (*)
 Deyu Rao
 Qi Wu (*)
 Tianli Xia (*)

Nahim Zahur (*)
 Haimeng Zhang (*)
 Hui Zhou

Current Undergraduate Advisees (a selected list)
 Matt Wang (*)

Honor thesis supervised:

Yibo Sun: “Insurance Coverage, Patient Cost Sharing and Healthcare Spending,” 2019 (Summa Cum Laude)
 Yiheng Huang: “Detecting Collusion in Singapore’s Car Industry,” 2017 (Cum Laude)
 Shengmao Cao: “The SO2 Tax System in China and Its Effects on SO2 Emissions,” 2015 (Cum Laude)

Initial placement of PhD advisees (* indicates committee chair):

Nahim Zahur* (Princeton University, Postdoc, 2020. AP at Queens University, 2021)
 Jee-Hun Choi* (University of Chicago, Postdoc, 2020. AP at Lehigh University, 2021)
 Tom Eisenberg* (University of Delaware, 2019. Job market paper won the Young Economists’ Essay Awards at the 46th EARIE conference)
 Flavio Stanchi* (Airbnb, 2019)
 Jing Qian (Ford Motor Company, 2019)
 Sherry Wu (PhD from Duke, initial placement: Indiana University Kelly School of Business, 2018)
 Yang Zhang* (Chair, Cornerstone Research, 2018)
 Jianwei Xing (Beijing University, 2018)
 Jialie Chen (University of Arkansas, Marketing 2017)
 Nicholas Tilipman* (Co-Chair, University of Illinois at Chicago, 2017)
 Debi Prasad Mohapatra* (Co-Chair, University of Massachusetts Amherst, 2016)
 Saisandeep Satyavolu (PhD, 2016)
 Brad Larsen (Stanford University, Economics Department, 2013)
 Rongzhu Ke (Chinese University of Hong Kong, School of Economics and Finance 2009)
 Maisy Wong (University of Pennsylvania, Wharton Business School 2008)

Placement of undergraduate and masters advisees (selected):

Matt Wang (NERA, 2021)
 Rebecca Goldgof (University of Chicago, 2021)
 Ryan Skinner (Morgan Stanley, 2020)
 Yibo Sun (Harvard University, PhD Program 2019)
 Qinghan Yan (INSEAD, 2019)
 Chenyang Cao (Deloitte Consulting, 2019)
 Binzhe Wang (Massachusetts Institute of Technology, PhD Program 2018)
 Ziqian Tao (University of Pennsylvania, Law School, JD, 2018)
 Huan He (University of Chicago, Fama Miller Center, 2018, U Chicago Booth, PhD., 2020)
 Yiheng Huang (Princeton University, Master of Finance 2017)
 Jingyuan Wang (University of Chicago, Pre-Doc Program 2016)
 Shengmao Cao (Stanford University, PhD Program 2016)
 Jan Sonntag (Ecole Polytechnique, Master of Economics 2013)
 Kathy Cheng (The Coro Fellowship in Public Affairs 2012)

Shiyuan Liang (Carnegie Mellon University, Master of Finance 2012)
 Yu Shi (MIT, Phd in Economics 2012)
 Rose Zhong (UCLA Anderson, MBA 2012)
 Sherry Wu (NERA 2011)

Placement of high-school students (community service, selected):
 Tony Yang (Cornell University, 2019)
 Tiger Wang (Yale University, 2020)

Teaching Experience:

Cornell University, Department of Economics
 Instructor, Advanced Graduate Empirical Industrial Organization, 2014 -
 Overall course evaluation: 5.0 out of 5.0 every time this course is offered

Instructor, Industrial Organization and Competitive Strategy (Undergraduate level), 2016-
 Overall course evaluation: 5.0 out of 5.0 every time this course is offered, except Fall 2018 (4.7 out of 5.0)

MIT, Department of Economics
 Instructor, Introduction to Statistical Methods in Economics, 2009, 2010, 2011, 2012
 Instructor, Graduate Empirical Industrial Organization I & II, 2007, 2008, 2010, 2011, 2012
 Instructor, Micro Theory and Public Policy, 2006, 2007, 2008
 Instructor, Independent Study, 2008
 Organizer, Mini-Course on STATA / MATLAB / C, summer of 2007, 2008, 2009

University of Chicago, Department of Economics
 Instructor, Intermediate Micro, U Chicago 2009

Selected Press Coverage:

“The Economics of Airline Layovers,” *New York Times*, 2009.
 “Real Estate Agents May be Colluding,” *Fortune*, 2015
 “ISS project to study economics, politics of China urbanization,” *Cornell Chronicle*, 2016
 “How smog affects spending in China,” *Economist* 2018
 “Social scientists analyze the dynamics shaping China’s cities,” *Cornell Chronicle*, 2019
 “China’s Shipbuilding Industrial Policy,” *ChinaEconTalk Podcast*, 2019
 “China’s industrial policy has worked better than critics think,” *The Economist*, 2020

Committee Served

Cornell University

2020 : PhD Student Placement Committee

2018- : Junior faculty mentor in the Economics Department
 2018- : Cornell China Center Faculty Advisory Committee
 2017- : Economics Department Admission Committee
 2017- : Educational Innovation Committee
 2016- : East Asian Program Core Faculty
 2016- : China and Asia Pacific Studies Advisory Committee
 2015- : Co-Founder and Co-Director of Cornell Institute for China Economic Research
 2015- : IO student workshop organizer
 2015- : Graduate advising
 2015- : Undergrad advising
 2015- : University Appeal Committee

2017 : Cornell Strategic Evaluation Committee
 2016-2017: Cornell Faculty Senator
 2016-2018: Cornell China Center Faculty Steering Committee

2016 : Ad hoc committee on Undergrad Math curriculum in Economics Department
 2016 : External ad hoc tenure evaluation committee at Johnson School
 2016 : Economics Department Computing committee chair
 2016 : Economics Department Teaching Grant Committee

2015 : Ad hoc tenure evaluation committee for Jean-Francois Houde
 2015-2017: IO seminar organizer

2014-2015: Senior recruiting committee
 2014-2015: Junior recruiting committee
 2014-2015: Chair search committee
 2014-2015: Graduate advising
 2014-2015: Undergraduate advising

2013-2014: Senior recruiting committee
 2013-2014: Ad hoc evaluation committee for Allan Collard-Wexler
 2014: Student IO workshop organizer
 2013-2014: Graduate advising
 2013-2014: Econ computing cluster committee

MIT Economics Department

2009-2013: Admission committee
 2009-2013: Graduate advising
 2009-2013: Undergraduate advising
 2009-2013: IO workshop organizer

2006-2008: Admission committee
 2006-2008: Graduate advising
 2006-2008: Undergraduate advising
 2006-2008: IO workshop organizer

Personal

Married with two children.