

Ao WANG

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Research Interests

Empirical Industrial Organization, Structural Econometrics.

Employment

2020- Assistant professor, Department of Economics, University of Warwick

Affiliations

2021- Research Associate, CAGE Research Centre

Education

2016-2020 Ph.D. in Economics, CREST, France

2014-2016 Master in Economics, Ecole Polytechnique/ENSAE, France, *summa cum laude*

2015-2016 Diplôme d'ingénieur, ENSAE, France

2012-2016 Diplôme d'ingénieur, Ecole Polytechnique, France

2008-2012 B.S. Probability and Statistics, Peking University, China

Visiting Positions

Sep.-Oct.2019 Visiting Fellow, Division of the Humanities and Social Sciences, Caltech (hosted by Matt Shum)

Jun.-Aug.2011 Research Experience for Undergraduates (REU) Program, Department of Mathematics, Pennsylvania State University

Feb.-Jul.2010 Visiting student, Department of Mathematics, National Taiwan University

Publications

A Note on Stochastic Complementarity for the Applied Researcher, (with Alessandro Iaria), *Economics Letters*, Vol. 199, Feb. 2021

Working Papers

A BLP Demand Model of Product-Level Market Shares with Complementarity

Sieve BLP: A Semi-Nonparametric Model of Demand for Differentiated Products

previously circulated as *Identifying the Distribution of Random Coefficients in BLP Demand Models Using One Single Variation in Product Characteristics*, *Reject & Resubmit*, Journal of Econometrics

Inferring Complementarity from Correlations rather than Structural Estimation, with Alessandro Iaria, *submitted*

Identification and Estimation of Demand for Bundles, with Alessandro Iaria, *submitted*

Estimating the Gains (and Losses) of Revenue Management, with Xavier D'Haultfœuille, Philippe Février, Lionel Wilner

Work in Progress

An Empirical Model of Quantity Discounts with Large Choice Sets, with Alessandro Iaria

Identification and (Fast) Estimation of Nonlinear Panel Models with Additively Separable Two-Way Fixed Effects, with Martin Mugnier

Identification and Estimation of Bargaining Models in Vertical Markets, with Hugo Molina

Identification of Marginal Costs and Conduct Parameters in Price-Setting Games, with Alessandro Iaria

Professional Activities

Referee service: Journal of Industrial Economics.

Fundings and Awards

2020-2021: RES COVID Academic Support Fund

2019-2020 Labex ECODEC doctoral scholarship.

2019-2020 Labex Multi-Partnership Grant, *Investigation on the Impacts of Banning Mobile Phone Use at Schools*, €15,000, with Christophe Bellego (CREST), Xitong Li (HEC Paris).

2016-2019 AMX Fellowship, Ecole Polytechnique

2012-2016 International Student Fellowship, Ecole Polytechnique

2015 *Best Research Internship Award*, Ecole Polytechnique

2011 *Academic Excellence Award*, Peking University

Seminars, Conferences, and Workshops

2021 ACEM (SJT U.), Econometric Society Meetings (North American Summer, China, Europe Summer), Dongbei Econometrics Workshop (IAER), China-VIOS (discussant), NUS-SMU, ESG Workshop (Bristol), SEA Annual Meeting

2020 Surrey, Warwick, HEC Montreal, Western, China-VIOS, CREST (discussant), SEA Annual Meeting

2019 CREST, PSE, GSM (Peking U.), Bristol, Caltech, ESWM (Rotterdam), IOOC (Boston), CEPR Applied IO/JIE School (Madrid), JEI (Madrid).

2018 CREST-ECODEC Conference (Paris), EARIE (Athens), ICIIE (Nanjing), Jerusalem Summer School of Economics on Industrial Organization (IIAS, Jerusalem)

2017 CREST Microeconometrics seminar, Easter Training School "Applications of Empirical Industrial Organization Methods" (Royal Economic Society, U. of Essex)

Teaching

2020-2021: (Warwick) Industrial Organisation and Data Science (M.Res), Industrial Economics 2: Market Economics, Competition & Regulation.

2016-2019: (ENSAE) Econometrics (business), Econometrics, Microeconomics, Game Theory, Statistics.

Personal

Chinese (mother tongue), French, English

2016-2019, President, Alumni Association of Peking University in France