

YICHUN SONG

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EDUCATION

The Ohio State University PhD in Economics	<u>2017 - expected 2023</u>
The Ohio State University MA in Economics	<u>2017 - 2018</u>
Vanderbilt University MA in Economics	<u>2014 - 2016</u>
University of International Business and Economics, Beijing, China BA in Finance, minor in Information System and Management.	<u>2010 - 2014</u>

RESEARCH INTERESTS

Industrial Organization, Applied Econometrics, Computational Algorithm.

WORKING PAPERS

- (1). Bargaining, Merger and Endogenous Network Formation: the Case of Power Plants and Coal Companies in the US. (**Job Market Paper**)
- (2). A Frisch-Waugh-Lovell Theorem for Empirical Likelihood, with [Adam Dearing](#).
- (3). An Alternating Maximization Approach to Approximate Dynamic Programming, with [Adam Dearing](#).
- (4). QML Estimation of a Spatial Autoregressive Model with Endogenous Heterogeneity, with [Yanli Lin](#) and [Yang Yang](#).
- (5). Addressing endogeneity issues in a SAR model using copulas, with [Yanli Lin](#).
- (6). A Semi-Parametric Two-Stage Estimator with Machine Learning to Solve Endogeneity, with [Adam Dearing](#).
- (7). Counterfactual Calculation in Multiple Discrete Continuous Choice with Multiple Budget Constraints.

WORK IN PROGRESS

- (8). Non-semiparametric Demand Estimation without the Exact or Lp Sparsity.
- (9). Copula Joint Estimation for Spatial Dynamic Panel Data Models with Endogeneity Issues, with [Yanli Lin](#) and [Yang Yang](#).

AWARDS

Department Citation for Excellent Teaching, OSU	2022
Tom Kniesner and Debbie Freund Award, OSU	2020
Department Fellowship, OSU	2017-2018

TEACHING EXPERIENCE

Recitation Leader, Econometrics II (PhD level)	Spring 2020/Spring 2021/Spring 2022
Recitation Leader, Principle of Microeconomics	Fall 2019/Fall 2021
Recitation Leader, Math Camp (PhD level)	Summer 2019
Grader/Teaching Assistant	Fall 2018/Spring 2019/Fall 2020/Fall 2022

PRESENTATIONS/INVITED TALKS

AMES Asian Meeting, China	2022
Micro Lunch, OSU	Spring 2021/2022
IO Workshop, OSU	Spring 2019

SKILLS AND LANGUAGE

Skills: Matlab, Stata, Python, C, SQL, LaTeX, R.
 Language: Chinese (native), English (fluent).

PERSONAL INFORMATION

Birth date: July 9th, 1992.
 Citizenship: China, currently F-1 visa in US.

REFERENCES

Dr. Adam Dearing (co-chair)

Assistant Professor,
 Strategy and Business Economics,
 SC Johnson Graduate School of Management,
 Cornell University.

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Dr. Matthew Weinberg (co-chair)

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 Department of Economics,
 The Ohio State University.

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Dr. Jason Blevins

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 Department of Economics,
 The Ohio State University.

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