

Wenshu Guo

Contact Information

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Research Interest

Industrial Organization, Applied Micro Theory, Antitrust

Position

Lingnan University

Research Assistant Professor of Economics

03/2021 - present

Jinan University (IESR)

Assistant Professor of Economics

09/2018 - 02/2021

Education

UCLA, Ph.D.

2018

University of Hong Kong, Bachelor of Economics and Finance, 1st Class Honors

2012

Research Papers

“The Effect of Production Information on the Choices of Lease Locations: a Study of the Marcellus Shale”.

In November 2010, the Pennsylvania government began posting well-specific production data of the Marcellus Shale. The information reveals the shale gas reserve distribution. This paper studies the effect of the production information disclosure on the shale gas operators' choices of lease locations. A theoretical model is proposed, in which firms sequentially choose the location with the highest expected return by conducting Bayesian updating about the locations' output potentials, with their prior beliefs adjusted by the production data. The model is empirically examined using a novel dataset. Outcomes show that the production information shifts firms' target leases towards more productive regions, leading to higher efficiency of the shale gas firms' resource allocation.

“Two Empirical Models of Matching”

This article proposes two empirical models of one-to-one matching. The first models concerns static one-to-one transferable utility matching with search frictions. Nonparametric identification is examined and illustrated using a simple example. The second model studies static one-to-one non-transferable utility matching. It uses a parametric framework and allows heterogeneity by imposing random effects and random coefficients. In particular, a finite mixture model is considered. The article then conducts a Monte Carlo exercise and uses the EM algorithm to estimate the model.

Work in Progress

“Vertical Integration in Two-Sided Markets: The Case of Branded Apartments in China”.

This article aims to study the welfare consequences of vertical integration in two-sided markets by investigating the housing rental industry in China. The housing rental market, formed by landlords, rental agencies, and tenants, serves as an example of two-sided markets. In the past few years, “branded apartments” have become increasingly popular in China. A product of long term leasing agreement between the landlord and the rental agency, the branded apartments vertically integrate the two parties. This article employs a structural model to empirically examine the welfare consequences of branded apartments, using data from websites and rental agencies. It complements the current literature on two-sided markets and vertical integration while providing guidance to the housing rental industry in China.

Presentations

2018: Jinan University (IESR), Institute of New Structure Economics, East China Normal University
 2019: SUFE, China Meeting of the Econometric Society

Professional Experience

Cornerstone Research, Summer Associate	05/2016 - 08/2016
PwC Hong Kong, Summer Intern	08/2010

Teaching Experience

Jinan University (IESR)
 Mathematical Analysis

UCLA, Department of Economics
 Microeconomics: Theory of Firm and Consumer (Ph.D. core)
 Introduction to Statistical Methods and Econometrics (M.A.E. core)
 Principles of Economics
 Introduction to Econometrics
 Microeconomic Theory
 Probability and Statistics

Awards and Honors

HKU Foundation Scholarship, University of Hong Kong	2009 - 2012
Dean's Honors List, University of Hong Kong	2009 - 2012

Technical Skills

Stata, R, Python

Languages

English (Fluent), Mandarin (Native)