

Huiting Tian

CONTACT INFORMATION

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EDUCATION

Ph.D., Economics, State University of New York at Binghamton, Binghamton, Expected May 2019
M.S., Quantitative and Computational Finance, Georgia Institute of Technology, Atlanta, Dec. 2011
B.A., Economics, Shandong University, China, Jun. 2010

RESEARCH

Research Fields & Interests

Fields: Applied Econometrics, Applied Microeconomics, Environmental Economics, Financial Economics
Interests: Production Analysis and Productivity, Industrial Organization, Information Asymmetry, Environmental Production and Undesirable Output, Theoretical Constraints, Efficiency Analysis

Job Market Paper

“How to Survive and Compete: the Impact of Information Asymmetry on Productivity”

This paper studies the impact of information asymmetry on productivity through the foreign direct investment (FDI) channel. Higher information asymmetry (lower transparency) could increase the difficulties/cost for investors to distinguish between good and bad investments and thus impede investment, particularly, FDI in which investors are “information disadvantageous of alien”. And FDI is an important determinant of economic growth. Naturally, we bridge the two key economic variables and study the influence of information asymmetry on productivity through the channel of FDI. We use data from China’s publicly listed manufacturing firms in our empirical analysis. Based on a market micro-structure model, we estimate the unobserved information asymmetry using the probability of informed trading (PIN). We estimate the unobserved firm-level productivity using the proxy method assuming that the evolution of productivity is not exogenous but can be shifted by FDI. We find that information asymmetry affects the productivity of domestic firms both positively and negatively, depending on firms’ technology-intensity. When domestic firms are technology-intensive, they can benefit from the knowledge spillovers of FDI. In that case, we find lower information asymmetry, associated with more FDI will result in higher productivity. When domestic firms are non-technology-intensive, they can be hurt by the foreign competition. In this case, we find that lower information asymmetry will result in lower productivity.

Working Papers

- “Estimation of Environmental Production Models with Restrictions” with Subal Kumbhakar and Kai Sun
- “Pollution and Provincial Production in China under Monotonicity and Curvature Constraints” with Subal Kumbhakar

Work in Progress

“Environmental Production in Chinese Manufacturing Firms” with Subal Kumbhakar

TEACHING

Teaching Interests

Econometrics, Probability and Statistics, Macroeconomics, Microeconomics, Development Economics, Financial Economics, Mathematical Economics

Teaching Experience

Instructor of Record:

Ithaca College

Principles of Microeconomics, Present

Binghamton University

Introduction to Econometrics, Expected Spring 2019

Macroeconomic Theory, Spring 2017

Economy of Developing Countries, Fall 2015 & Spring 2016 & Spring 2019

Economy of Developing Countries (Online Course), Summer 2015

Guest Lecturer:

Binghamton University

Introduction to Econometrics, Fall 2017

Probability and Statistics (Ph.D. Core), Fall 2013 & Fall 2014

Risk Management, Spring 2014

Teaching Assistant:

Binghamton University

Introduction to Econometrics, Fall 2017 & Spring 2018

Principles of Macroeconomics (Ph.D. Core), Spring 2015

Probability and Statistics (Ph.D. Core), Fall 2013 & Fall 2014

Risk Management, Spring 2014

International Trade, Fall 2012 & Spring 2013

PROFESSIONAL EXPERIENCE

Referee/Reviewer: European Journal of Operational Research, Summer 2017

Internship: Dun and Bradstreet, Short Hills, New Jersey, Summer 2016

- Implemented multiple imputation methods in R to handle missing data in 500K observations
- Benchmarked imputation methods performance and resulted in reasonable improvement in model prediction for linear regression, logistic regression and random forest models
- Summarized literature and collected data to rank Human Trafficking risk for different provinces and industries in China, discovered relatively higher risk in western and rural areas

Conference: The North American Productivity Workshop IX, Quebec City, Canada, Jun. 2016

- Presented the paper “Estimation of Environmental Production Models with Restrictions”

University Service: Undergraduate Tutor for Macroeconomics, Binghamton University, 2014

SKILLS & CERTIFICATIONS

Computational Skills:

- R
- Stata
- Python
- SAS
- PowerPoint
- Excel
- MATLAB
- LaTeX

Actuarial Exams and Courses:

- Exam P/Probability (passed)
- Exam FM/Financial Mathematics (passed)
- VEE Applied Statistics (completed)
- VEE Corporate Finance (completed)

Chartered Financial Analyst: Level 1 Candidate

AWARDS AND HONORS

Tuition Scholarship and Teaching Assistantship, State Univ. of New York at Binghamton, 2012-present

Economics Dept. Dissertation Year Fellowship, State Univ. of New York at Binghamton, 2016

Economics Dept. Travel Grant, State Univ. of New York at Binghamton, 2016

Teaching Online Certification Program Award, State Univ. of New York at Binghamton, 2015

PERSONAL INFORMATION

Citizenship: China

Professional Affiliation: American Economic Association

Languages: Mandarin (native), English (fluent), Japanese (weak proficiency)

REFERENCES

Subal C. Kumbhakar (Advisor)

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State University of New York at Binghamton
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