

Xiaoyue Zhang

CONTACT INFORMATION	MIT Sloan Applied Economics Group 100 Main St Cambridge, MA 02142	<i>Tel:</i> +1-617-256-8868 <i>E-mail:</i> xyzhang1@mit.edu <i>Web:</i> www.xiaoyuezhang.net
RESEARCH FIELD	Empirical industrial organization	
RESEARCH INTERESTS	Misallocation, productivity, factor income shares, dynamic discrete choice models, technological progress, industrial policies	
WORK EXPERIENCE	MIT Sloan , Cambridge, USA Post-Doctoral Associate	
EDUCATION	Tilburg University , Tilburg, the Netherlands Ph.D. Candidate, Econometrics, 2023 Supervisors: Jaap H. Abbring, Christoph B. T. Walsh, Jeffrey R. Campbell Research Master in Economics, September 2019 KU Leuven , Leuven, Belgium Visiting Ph.D. student, 2022 Host: Jo Van Biesebroeck London School of Economics and Political Science , London, UK M.Sc. in Econometrics and Mathematical Economics (Merit), 2016 Johns Hopkins University , Baltimore, USA B.A. in Economics (with Honors, the Dean's list), 2015 Wuhan University , Wuhan, China B.A. in Mathematics (with Honors, First-Class Scholarship), 2013	
HONORS AND AWARDS	Tilburg University Jenny Ligthart Award, Best Research Master Student Continuing onto Ph.D., 2019 Alumni Scholarship, 2019. Koopmans Scholarship, 2018	
PUBLICATIONS	X. Zhang. "An Analysis of the Rise and Fall of the Roman Empire." <i>Emergence and Transfer of Wealth</i> 02, no. 03 (2012): 39–47. https://doi.org/10.12677/ETW.2012.23013 .	
WORKING PAPERS	X. Zhang and J. Xia. "Factor Income Shares and Input Distortions in China." Job market paper, paper . X. Zhang and J. Xia. "Misallocation under Heterogeneous Markups." paper . X. Zhang. "Optimal Subsidies for the Product Upgrading of Battery Electric Vehicles in China." Slides .	

CONFERENCE PRESENTATIONS	“Misallocation under Heterogeneous Markups” (circulated earlier as “Misallocation under Heterogeneous Markups and Non-Constant Returns to Scale”) Tilburg Structural Econometrics Group, the GSS seminar at Tilburg University, the IO seminars at KU Leuven, the ENTER Jamboree, China International Conference in Macroeconomics, the IAAE annual conference, the AMES China meeting, and China Center for Economic Research’s Summer Institute, the NSE International Annual Workshop, the EEA-ESEM summer meeting.	2020-2022
	“Optimal Subsidies for the Product Upgrading of Battery Electric Vehicles in China.” The virtual IO CEPR event.	2022
	Discussant at the annual ENTER Jamboree at Universitat Autònoma de Barcelona (cancelled)	2020
	“A Forgotten Bright Side: Technology Spillovers from SOEs Support Industrial Upgrade.” Workshop at Wuhan University	2019
TEACHING	Tilburg University , Tilburg, the Netherlands	
	Quantitative Methods	2019-2023
	<i>Teaching Assistant</i>	
	Taught tutorials of a research-master level course.	
	Dynamic Economic Models	2019-2023
PROFESSIONAL EXPERIENCE	<i>Teaching Assistant</i>	
	Taught labs of a master level course. Responsibility for answering students’ questions, creating and grading assignments.	
	Wuhan University , Wuhan, China	
	<i>Instructor</i>	2019
	Taught a workshop on Git, Github, Jupyter Notebook, L ^A T _E X, and R Markdown.	
COMPUTER SKILLS	CIECC , Beijing, China	
	<i>Intern</i>	2017
	Studied the effectiveness of government subsidy on new energy vehicles. Collected and analyzed data on sales and R&D expenditure. Used a simple OLS regression to show the correlations between policy changes and new energy vehicle companies’s sales and R&D expenditure.	
	Capital Group , Beijing, China	
	<i>Intern</i>	2013
OTHER ACTIVITIES	Researched and compared relevant water purification technologies. Suggested cooperation with Wuhan University to add a ultraviolet process. Initiated a business plan suggesting focusing on portable water purification devices according to current technological strengths and weaknesses.	
	Statistical software and computer language: extensive use of R and MATLAB; some experience with SAS.	
	Applications: L ^A T _E X, Git, Jupyter Notebook, markdown, and presentation software.	
OTHER ACTIVITIES	Panelist for the re-accreditation and the NVAO assessment of the research master program at the Tinbergen Institute	2020
	Organizer of Tilburg Structural Econometrics Group	2021-2022
	Founder and organizer of Graduate Students’ Society Book Club	2019-2022

LANGUAGES	Native Chinese, fluent English, intermediate Dutch (CEFR: B1), intermediate French.	
PERSONAL	Chinese Citizen, Dutch Permanent Resident	
WORKING PAPERS AND ABSTRACTS	<p>Factor Income Shares and Input Distortions in China, job market paper, with J. Xia.</p> <p>Abstract: This paper quantifies the impact of input distortions on the labor and capital shares in Chinese aggregate income where the economy is allowed to have rich variations in productivity, technology, and demand elasticities. Under the nested constant elasticity of substitution demand, we decompose the share changes into changes due to within-nest distortions and between-nest distortions. We use firm-level data to estimate industry-specific production elasticities, nest-specific demand elasticities when the nest structure is not perfectly observed, and firm-specific input distortions. We find that removing input distortions in China will raise the labor share by 7% and lower the capital share by 1%. Removing between-nest distortions doubles the increase in the labor share but offsets 90% of the decrease in the capital share caused by removing within-nest distortions.</p> <p>Misallocation under Heterogeneous Markups, with J. Xia.</p> <p>Abstract: Predicted TFP gains under Hsieh and Klenow (2009)'s framework are sensitive to demand elasticities and returns to scale, but simultaneously estimating them is difficult. We solve this problem by developing a framework allowing for an arbitrary distribution of firm-level markups and use microdata to estimate industry-specific production elasticities, within-industry type-specific demand elasticities when types are not observed, and firm-specific distortions. We apply our model to 2005 Chinese firm-level data and find that the predicted Total Factor Productivity (TFP) gains are 44% which is half of the previous findings.</p>	
REFERENCES	<p>Jaap H. Abbring Department of EOR Tilburg University J.H.Abbing@tilburguniversity.edu</p> <p>Christoph B. T. Walsh Department of EOR Tilburg University C.B.T.Walsh@tilburguniversity.edu</p>	<p>Jeffrey R. Campbell Department of Economics University of Notre Dame jcampb24@nd.edu</p>