

Xiaoyun Qiu

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Address: Room 704, 22, Gongyi Road, Huadu, Guangzhou, China

Education

Shanghai Jiao Tong University (SJTU), Shanghai, China

Sep 2012- Jul 2016

Bachelor of Science in Economics (Honor Class) (expected in July 2016), **Second Major:** Mathematics and Applied Mathematics

" GPA (overall): **3.80/4.0**, GPA(major& math): **3.94/4.0**; ranking: **No.1 in Economics**

" Math courses: Stochastic Process(94/100), Partial Differential Equation(84/100), Numerical Analysis(89/100), Abstract Algebra(93/100), Real Analysis(96/100), Ordinary Differential Equation(97/100), Advanced Algebra(98/100), Probability & Statistics(95/100), Linear Algebra(85/100), Mathematical Analysis I, II(96/100, 99/100)

Research Experiences

Research Assistant, Duke University

May 2015-present

Extremal Quantile Regressions for Selection Models and the Black-White Wage Gap

Advisor: Professor **Arnaud Maurel**(Duke university), **Xavier D'Haultfoeuille** (Ensaie)

" Studied advanced econometric models, including GMM, MLE, quantile regression, etc..

" Thoroughly studied the estimation method in the paper

" Converted Matlab codes into Stata codes, using C and Python plugins

Research Assistant, Becker Friedman Institute, University of Chicago

Summer 2015

Advisor: Professor **John List**

" Data management for Chicago Heights Early Childhood Center(CHECC) projects

" Discussed experimental designs for the charitable and time-preference experiments

" Analyzed experimental and replicated papers

" Studied the delayed costs for airline companies

" Used Matlab and Stata for data management and analysis

Structural Change in China's Transfer Payment Policy between Central and Sub-national Governments

Jan 2015-present

Advisor: Professor **Junhui Qian** (PhD, Rice University)

" Collected data from 30 provinces (including municipalities) from 1995-2013

" Studied the heterogeneous panel model with a shrinkage selection method adaptive group fused lasso and coded Matlab programs to analyze the data

" Uncovered two structural changes in China's central to sub-national government transfer payment policy from 1995-2013 and explored the 1994 tax reform in China

The Role of State-own Share in China's Automobile Manufacturing Industry

Sep 2014-Jan 2015

Advisor: Professor **Chun-yu Ho** (PhD, Boston University)

" Used Stata to estimate the cost function of China's automobile industry in a translog functional form.

" Estimated and explained the scale-inefficiency and X-efficiency and found out that state-own share of the firms accounted for the inefficiency.

- " Evaluated the net welfare gain in the presence of monopoly power and found out that state-own share can achieve net welfare gain to the whole society.
- " Tested the structure-conduct-performance (SCP), relative-market-power (RMP) and quiet life hypothesis and found out that SCP best describes China's automobile industry.

Early Warning System of Financial Crises and Application in China

Sep 2013-Nov 2014

Advisor: Professor **Jianwei Zhuo**

Awards and Honors

- " Mathematical Contest In Modeling, Honorable Mention 2015
- " **National Scholarship of China**(top 1% in SJTU) 2014
- " China Undergraduate Mathematical Contest in Modeling, **Third Prize** (Shanghai) 2014

Skills & Others

- " Adept in Python, C++, Stata, Matlab, Eviews, office; frequent user of R, Ztree.
- " English Proficiency: TOEFL 105 (R30 + L27 + S22 + W26), GRE (V154 + Q 170 + AW 3.5)

References

- " Professor Junhui Qian (PhD, Rice University), E-mail: jhqian@sjtu.edu.cn, Tel: +86 (0)21 52301191