

Runren Zhou

• Cell: +86 18610351966 • Email: rrzhou2017@nsd.pku.edu.cn

EDUCATION

Peking University (PKU)

Beijing, China

Bachelor of Art in Economics, National School of Development (CCER)

09/2017 to 07/2021 (expected)

- GPA: 3.807/4.0 or 90/100
- Major GPA: 3.86/4.0 or 92.4/100
- Course in Progress: Advanced Econometrics (Grad)

Bernard M.Baruch College, CUNY

New York, US

Exchange Student

01/2020 to 05/2020

- GPA: 4.0/4.0 or 100/100
- Course: Intro to Stochastic Process, Intro Financial Math, Programming for Analytics, Data Mining for Bus Analytics

RESEARCH EXPERIENCE

Political Competition and Neighborhood Effects of China's Local Government

Independent Research, supervised by Assistant Professor **Tianyang Xi** (NSD, PKU)

06/2020 to present

- This study focused on China's local government's behavior characteristics and incentive mechanism reflected by "national health city creation", including administrative bidding, public goods visualization and pollution haven.
- Created several kinds of spatial weight matrix by GIS and Python, made use of SAR (spatial autoregressive), DID (difference-in-difference) and OLS methods to analyze the spatial correlation between national health city creation and environmental variables according to the collected data of around 280 cities of China ranging from 2002 to 2015.
- Did casual inference in the light of the structure of government expenditure together with related regression results, finding that the local governments would be motivated to improve the public service about environment in response to the nearby cities' national health city creation and tend to spend more on visible public goods like public lavatory but hardly on invisible facilities like network of drains, which expanded the public goods visualization theory from the motivation of promotion to a more common behavioral pattern of local officials.
- Trying to find evidence of the "pollution haven effect" mirrored by micro-level enterprise migration caused by the impact of national health city creation.

Growth Accounting Methods and the Application in Eastern Asia Economies

Research Assistant, supervised by Assistant Professor **Bo Hu** (INSE, PKU)

10/2019 to 01/2020

- This study focused on reviewing different growth accounting methodologies, summarizing their computational methods of several important variables and evaluating their estimation effect.
- Analyzed Penn World Table, explored its computing method, recounted some important variables with different statistical methods and made cross-country comparisons and analysis with Stata.
- Read different papers about growth accounting, wrote mathematics notes and summarized their accounting methods.

Middle-Income Trap and this Concept's Applicability in China

Research Assistant, supervised by Associate Professor **Yong Wang** (INSE, PKU)

07/2019 to 09/2019

- This study was a review on the possible causes, judgment standards, avoidance and predictions of middle-income trap.
- Collected, read and reviewed more than thirty literature relevant to middle-income trap in English and summarized their main results, data sources and research methods.
- Wrote part of the literature review of a writing paper.

Industrial Policy and Trade Revolution relevant to “Sino-US Trade War”

Research Assistant, supervised by Associate Professor **Yong Wang** (INSE, PKU)

06/2019 to 07/2019

- This study was part of a policy subject initiated by Development Research Center of the State Council, focusing on the industrial policy together with their effects of China’s foreign trade especially of Sino-US trade.
- Analyzed the US \$200 billion Tariff List, found the focused industry and collected the relevant industrial policy implemented by the government of China together with evaluating their gains and loss.
- Collected US official comments and documents about China’s industry policy and trade protection, analyzed whether US’s purpose was preventing China from moving upward along the industry chain or not.

SELECTED PROJECTS

Economic Performance and China’s Local Officials’ Impact-Response Model

09/2019 to 01/2020

Course Project of *Economics Research Training*

- This project studied China’s local officials’ responsive behavior against the economic performance last year.
- Used a panel data set of 287 prefecture-level cities nationwide for the periods of 2001-2015 and fixed effect model, analyzed whether ranking in provincial growth competition and the achievement of growth goal would affect local officials’ intervene in the economy and the measures they might adopt.
- The results showed that if the economic performance was poor in last period, officials would be incentive to push a positive-going trend to “make up for their mistakes” and government expenditure, bank loan and foreign investment were important ways for them to affect economy in short term.

Movement of Population and Income Distribution of China

09/2019 to 01/2020

Course Project of *Data Analysis and Econometric Programming*

- This project focused on the visualization of China’s population flow and income distribution, demonstrating their correlation from the perspective of geonomics.
- Made use of China’s population census of 2005, created a new dataset of the population flow between each two cities of China’s more than three hundred cities and visualized it from several different perspectives.
- Analyzed and visualized the geographical income distribution using the same dataset with Python and R, compared it to the population flow maps and found the consistency of population agglomeration and cluster economy.

HONORS & AWARDS

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| • Kwang-Hua Scholarship of Peking University (Top 5% in Peking University) | 2018 |
| • Award for Academic Excellence of Peking University | 2018 |
| • Freshmen Scholarship of National School of Development | 2018 |
| • China Economic Research Scholarship | 2019 |
| • Award for Social Work of Peking University | 2019 |

LANGUAGES AND SKILLS

Languages/Applications: Stata, Python, MATLAB, R

Document: LATEX, MS Office