



BUYUAN YANG

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EDUCATION

Ph.D. in Economics <i>Fields: Digital Economics and Economic Growth</i>	Sep. 2019 – Jul. 2023(expected)
Tsinghua University	Beijing, China
Visiting Scholar in Economics	Jan. 2022 – Sep. 2022
Harvard University	Boston, the United States
M.A. in Economics	Sep. 2016 – Jul. 2019
Central University of Finance and Economics	Beijing, China
B.E. in Measuring and Controlling Technology	Sep. 2012 – Jul. 2016
Southeast University	Nanjing, China

PUBLICATIONS

- **Language and segregation: evidence from housing markets in the United States** (with Tiantian Dai, Shenyi Jiang, and Tao Jin), see: <https://doi.org/10.1080/00036846.2022.2096866>, Online Published in *Applied Economics* (Jul. 19, 2022)

WORKING PAPERS

- Endogenous Information Carrier Technology** (with Danxia Xie)
see SSRN: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4114985
- Information Carrier Technology and Growth** (with Danxia Xie)
see SSRN: <http://dx.doi.org/10.2139/ssrn.3974781>, Under review: *American Economic Review: Insights*
- Platform Dynamics and Economic Development** (with Danxia Xie)
see SSRN: <http://dx.doi.org/10.2139/ssrn.3748484>
- Solow to Becker-Lucas** (with Danxia Xie)
see SSRN: <http://dx.doi.org/10.2139/ssrn.3465369>
- Data Deepening and Nonbalanced Economic Growth** (with Richard B. Freeman and Baitao Zhang)
see SSRN: <https://ssrn.com/abstract=3894511>, Under review: *Journal of Macroeconomics*
- Economic Analysis of the Public Health Reform in the Post-pandemic Era** [in Chinese] (with Danxia Xie, Weiyi Zhao and Peilin Liu)
- General Equilibrium Theory and Policy Analysis for the Reform of Land Property Rights** [in Chinese] (with Danxia Xie, Weiyi Zhao and Taoxiong Liu)
- An Economic Analytical Framework for Exclusive Contracts in Platform Competition: The Analysis of Competition, Antitrust and Welfare for Asymmetric E-commerce Platforms** [in Chinese] (with Danxia Xie, Yao Li and Hongru Xiong)

WORK IN PROGRESS

Transportation and Information: The Driving Forces Behind Modern Growth (with Ziqi Lu (Harvard))
Brain versus Computer: Competition or Cooperation?

CONFERENCES AND PRESENTATIONS

Danxia Xie and **Buyuan Yang**, "Platform Dynamics and Economic Development", in *The 2022 Annual Conference in Digital Economics*, Tsinghua University, Fujian, China, January 16, 2022.

Danxia Xie and **Buyuan Yang**, "Platform Dynamics and Economic Development", in *2021 China Meeting of the Econometric Society*, ShanghaiTech University, Shanghai, China, July 1 – 3, 2021.

Danxia Xie and **Buyuan Yang**, "Platform Dynamics and Economic Development", in *2021 Asian Meeting of the Econometric Society*, Curtin University Malaysia, June 25 – 27, 2021.

Danxia Xie, Weiyi Zhao, Buyuan Yang and Peilin Liu, "Economic Analysis of the Public Health Reform in the Post-pandemic Era" [Chinese], in No.625, Doctoral Forum of Tsinghua University, Beijing, China, May 8, 2021 (Best Presentation Award) (Speaker: Weiyi Zhao).

Danxia Xie and **Buyuan Yang**, "Platform Dynamics and Economic Development", in *2021 Virtual Meeting of the International Industrial Organization Conference*, Northeastern University, May 1, 2021.

Danxia Xie, Buyuan Yang, Yao Li and Hongru Xiong, "A General Analytical Framework for Exclusive Contracts in Platform Competition: The Analysis of Competition, Antitrust and Welfare for Asymmetric E-commerce Platforms" [Chinese], in Digital Economy and Development Transformation Seminar, Renmin University of China, Beijing, China, September 26, 2020 (Speaker: Danxia Xie)

Danxia Xie, Buyuan Yang, "Platform Dynamics and Economic Development: Taking Taobao Village as an Example" [Chinese], in The 8th China Taobao Village Summit Conference, Hebei, China, September 26, 2020 (Speaker: Danxia Xie).

Tiantian Dai, Shenyi Jiang, Tao Jin and **Buyuan Yang**, "Language and Integration: Evidence from the Housing Markets in the United States", in No.596, Doctoral Forum of Tsinghua University, Beijing, China, May 16, 2020.

Buyuan Yang and Danxia Xie, "Solow to Becker-Lucas", in *2019 China Meeting of the Econometric Society*, Guangzhou, China, June 20, 2019.

Danxia Xie and **Buyuan Yang**, "Solow to Becker-Lucas", in No.555, Doctoral Forum of Tsinghua University, Beijing, China, May 18, 2019 (Best Presentation Award).

TEACHING ASSISTANT EXPERIENCE

Model Innovation for Economic Science & Policy (2021 Spring), Prof. Danxia Xie, Tsinghua University

Principles of Economics II (Spring 2021), Prof. Feng Dong, Tsinghua University

Law and Economics (Fall 2020), Prof. Danxia Xie, Tsinghua University

Intermediate Macro: Economic Science Policy (Spring 2020), Prof. Danxia Xie, Tsinghua University

Macroeconomic Analysis of China (Fall 2019), Prof. Weiping Jin, Tsinghua University

WORK EXPERIENCE

Intern Management Committee of Nanjing Jiangbei New Area	Jun. 2022–Jul. 2022 Nanjing, China
Assistant Research Fellow Digital Currency Research Institute, People’s Bank of China	Jan. 2021–Jul. 2021 Beijing, China
Assistant Research Fellow Financial Research Center, Tencent	Nov. 2018–Jul. 2019 Beijing, China

HONORS AND AWARDS

<i>Outstanding Graduate Honor</i> Beijing Municipal Commission of Education	Jun 2019 Beijing, China
<i>The First Class Scholarship Winner</i> Central University of Finance and Economics	Dec 2018 Beijing, China
<i>The First Class Scholarship Winner</i> Central University of Finance and Economics	Dec 2017 Beijing, China
<i>The Second Class Prize of National Post-Graduate Mathematical Contest in Modeling</i> Graduate Education Development Center of Ministry of Education of China	Dec 2016 Beijing, China
<i>Finalist Award of Mathematical/Interdisciplinary Contest in Modeling</i> the Consortium for Mathematics and Its Applications (USA)	Mar 2015 Nanjing, China

SKILLS

Languages: Chinese (Native), English (Fluent)
Programming: Python (NumPy, SciPy, Matplotlib, Pandas), MATLAB, Mathematica, R, C++
Document Creation: Microsoft Office, LaTeX

INTERESTS

Swimming, Classical music, and Calligraphy