



浙江大学公共管理学院
SCHOOL OF PUBLIC AFFAIRS ZHEJIANG UNIVERSITY

Yuanshuo Xu

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Department of Urban Development and Management
School of Public Affairs
Zhejiang University, Hangzhou, Zhejiang 310058
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EDUCATION

- 08/2014 – 08/2019 Ph.D. in City and Regional Planning
Department of City and Regional Planning, Cornell University
- 08/2011 – 08/2013 Master in Regional Planning
Department of City and Regional Planning, Cornell University
- 09/2007 – 06/2011 Bachelor of Engineering in Land Management
School of Environment Science & Spatial Informatics
China University of Mining & Technology

ACADEMIC POSITIONS

- 05/2020 – current Assistant Professor
Department of Urban Development and Management, Zhejiang University
- 01/2023 – current Associate Director
Institute of Urban Governance, Zhejiang University
- 01/2023 – current Dean Assistance
China Institute of Urbanization, Zhejiang University
- 01/2022 – current Associate Director
The Center of Urbanization and Spatial Governance, Zhejiang University
- 09/2023 – 12/2023 Visiting Assistant Professor
Department of Global Development, Cornell University
- 08/2019 – 04/2020 Postdoctoral Associate
Department of Global Development, Cornell University
- 08/2018 – 08/2019 Visiting Lecturer
Department of City and Regional Planning, Cornell University



RESEARCH INTEREST

Decentralization, Local government, Regional economic development, Sustainable development, Spatial modeling

PUBLICATIONS

Peer-reviewed Journal Articles (corresponding author)*

- Xu, Y.**, & Warner, M. E. (2015). Understanding Employment Growth in the Recession: The Geographic Diversity of State Rescaling. *Cambridge Journal of Regions, Economy and Society*, 8 (2): 359-377. doi:10.1093/cjres/rsv001. (SSCI Q1)
- Xu, Y.**, & Warner, M. E. (2016). Does Devolution Crowd Out Development? A Spatial Analysis of US Local Government Fiscal Effort. *Environment and Planning A: Economy and Space*, 48 (5): 871-890. <https://doi.org/10.1177/0308518X15622448>. (SSCI Q1)
- Warner, M. E., **Xu, Y.**, & Morken, L. (2017). What Explains Differences in Availability of Community Health-Related Services for Seniors in the United States. *Journal of Aging and Health*, 29 (7): 1160-1181. <https://doi.org/10.1177/0898264316654675>. (SSCI Q2)
- Wen, C., **Xu, Y.**, Kim, Y., & Warner, M. E. (2020). Starving Counties, Squeezing Cities: Tax and Expenditure Limits in the US. *Journal of Economic Policy Reform*, 23 (2): 101-119. <https://doi.org/10.1080/17487870.2018.1509711>. (SSCI Q2)
- Warner, M. E., & **Xu, Y.** (2021). Productivity Divergence: State Policy, Corporate Capture and Labour Power in the USA. *Cambridge Journal of Regions, Economy and Society*, 14 (1): 51-68. <https://doi.org/10.1093/cjres/rsaa040>. (SSCI Q1)
- Xu, Y.*.**, & Warner, M. E. (2022). Crowding Out Development: Fiscal Federalism After the Great Recession. *Environment and Planning A: Economy and Space*, 54 (2): 311-329. <https://doi.org/10.1177/0308518X211053643>. (SSCI Q1)
- Xu, Y.**, Zhu, Y., Wu, Y., Wang, X., & Zhang, W. (2022). The Population Flow under Regional Cooperation of “City-Helps-City”: The Case of Mountain-Sea Project in Zhejiang. *Land*, 11 (10): 1816. <https://doi.org/10.3390/land11101816>. (SSCI Q2)
- Xu, Y.**, Liang, J., Dong, Z., & Shi, M. (2022). Can Environmental Regulation Promote Green Innovation and Productivity? The Moderating Role of Government Interventions in Urban China. *International Journal of Environmental Research and Public Health*, 19 (21): 3974. <https://doi.org/10.3390/ijerph192113974>. (SSCI/SCI Q1)
- Zhang, X., Chen, Y., **Xu, Y.**, Yue, W., & Tang, C. (2023). Does Regional Cooperation Constrain Urban Sprawl? Evidence from the Guangdong-Hong Kong-Macao Greater Bay Area. *Landscape and Urban Planning*, 235: 104742. (SSCI Q1)

Xu, Y., Dong, Z., & Wu, Y. (2023). The Spatiotemporal Effects of Environmental Regulation on Green Innovation: Evidence from Chinese Cities. *Science of the Total Environment*, 876: 162790. <https://doi.org/10.1016/j.scitotenv.2023.162790>. (SCI Q1)

Jin, Y., **Xu, Y***, & Liu, W. (2023). The Green Quality of Urban Spatial Development: A Multi-Dimensional and Multi-Regional Model using Big Data. *Urban Forestry and Urban Greening*, 85: 127953. <https://doi.org/10.1016/j.ufug.2023.127953> (SSCI Q1)

Dong, Z., Wu, Y., & **Xu, Y***. (2023). The Increasing Climate Inequalities of Urban Carbon Emissions: The Distributional Effect of Low-carbon City Pilot Policy. *Urban Climate*, 52: 101718. (SCI Q1)

Zhang, X., Lu, Y*., **Xu, Y***, Zhou, C & Zou, Y. (2024). Governing Regional Inequality through Regional Cooperation? A Case Study of the Guangdong-Hong Kong-Macau Greater Bay Area. *Applied Geography*, 162: 103135 (SSCI Q1)

Xu, Y., Liang, J., & Zhang, X. (2023). State rescaling and spatial transformation of Hangzhou Intelligence Valley. *Scientia Geographica Sinica*, 43 (2): 230-240. <https://kns.cnki.net/kcms/detail//22.1124.P.20230222.1002.014.html> (CSSCI, in Chinese)

Zhang, X., Feng, Y., & **Xu, Y***. (2023). The interaction between regional cooperation and the evolution of urban factors in the Guangdong-Hong Kong-Macao Greater Bay. *China Population, Resources and Environment*. (CSSCI, in Chinese)

Zhang, X., Feng, Y., & **Xu, Y.** (2022). Evolution and coupling relationship between regional cooperation and industrial integration in the Guangdong-Hong Kong-Macao Greater Bay Area. *Progress in Geography*, 41(9):1647-1661. (CSSCI, in Chinese)

Papers Under Review

Xu, Y., Liang, J.* & Wu, Y. Drivers of Local Government Borrowing in China: Hunger Games and Competition Games under Asymmetric Decentralization. *Regional Studies* (Revision).

Xu, Y*. & Warner, M. E. Can local governments be redistributive? Spatial differences in US expenditure trends, 2007-2017. *Social Policy & Administration* (Revision).

Xu, Y. & Warner, M. E. Fiscal Federalism, ARPA and the Politics of Repair. *Publius: Journal of Federalism* (Revision).

Xu, Y*., Wu, Y. & Zhang, W. Can inter-city cooperation reduce regional inequalities? The spatiotemporal analysis on Zhejiang, China. *Urban Studies*.

Jin, Y & **Xu, Y***. Can Polycentric Development Reduce Urban Carbon Emissions? Divergent Effects of Spatial Balance and Spatial Dispersion in Chinese Cities. *Urban Climate* (Revision).

Jin, Y & **Xu, Y***. Carbon reduction of urban form strategies: Regional heterogeneity in Yangtze River Delta, China. *Land Use Policy* (Revision).

Other Publications

Xu, Y. (2023). *The future of digital urban governance*, Book chapter in the book “The Digital Urban Governance: Technology Empowerment and Data Driven”, edited by Zhang Weiwen and Zhang Yongping. Zhejiang University Press. (in Chinese)

Xu, Y., Zhang, X., Li, J., & Li, L. (2022). *Why is industrial coordination difficult? A study of four metropolitan areas in Zhejiang province*. Pengpai News (Sixth Tone) – Issue on Yangtze River Delta . https://www.thepaper.cn/newsDetail_forward_19211195 (in Chinese)

Xu, Y., & Li, L. (2022). *The impacts of digital reform on carbon reduction in Yuhang district, Hangzhou City*. China information news.
<https://cnki.hebsti.cn/KCMS/detail/detail.aspx?filename=DNJY202211070160&dbcode=CCND&dbname=CCND2022> (in Chinese)

Xu, Y., & Zhang, W. (2021). *The spatial Governance in the digital Era*, Book chapter in the book “Digital Strategy of Yangtze River Delta 2021: Digital Innovation”, edited by Zhejiang University Yangtze River Delta Research Group. Zhejiang University Press. (in Chinese)

Xu, Y. (2021). *The academic history of regional sustainable development*, Book chapter in the book “The Regional Science in Modern China”, edited by China Regional Science Association. Beijing Economy Management Publishing Co. (in Chinese)

Rivera, R. & **Xu, Y.** (2014). *New York Property Tax Cap Impact Analysis*. Report Prepared for Conference: Local Fiscal Stress – State Austerity Policy & Creative Local Response.

GRANT

The National Science Foundation of China: The inter-city cooperation network of Yangtze River Delta under a spatiotemporal dynamic perspective: Network evolution, driving mechanisms, and spatial effects (No. 42201206), 01/2023 – 12/2025, PI

The Humanities and Social Science Project of the Ministry of Education of China: Research on the influence mechanisms of inter-governmental relations on urban green innovation (No. 22YJC630176), 01/2023 – 12/2025, PI

Zhejiang Federation of Humanities and Social Sciences: The spatiotemporal patterns of the impact from environmental regulation on green innovation (No. 21YJRC05-2YB), 11/2020 – 12/2023, PI



The Key Research and Development Program of Ministry of Science and Technology of China (Zhejiang Part): The spatiotemporal models of sustainable transformation in response to global changes (No. 72134006), 10/2020 – 11/2025, Co-PI

The China Central University Youth Scientific Research and Innovation Project: The Urban Agglomeration Efficiency Based on Multisource Big Data: A Study of Hangzhou City, 03/2021 – 12/2021, PI

The National Social Science Foundation of China: Research on promoting urbanization with counties as the important carriers (No. 21ZDA071), 04/2021 – 12/2022, key participant

The National Science Foundation of China: Health benefit assessment and collaborative policy design for greenhouse gas emission reduction and air pollution control (No. 72134006), 01/2022 – 12/2026, key participant

United States Department of Agriculture (USDA): Local Government, Inequality and Rural Wellbeing (No. 2020-67023-13066528), 11/2020 – 12/2023, Collaborator

United States Department of Agriculture (USDA): State Policy and Local Fiscal Stress: Implications for Rural governments (No.2017-67023-2622), 04/2017-03/2020, key participant

United States Department of Agriculture (USDA): Great Recession, Fiscal Stress and Demographic Transformation – Implications for Rural Service Delivery and Multi-Generational Planning (No. 2011-68006-3079), 04/2011-03/2014, participant

AWARDS

The Advanced Worker Award in 2021, 2022 and 2023
School of Public Affairs, Zhejiang University

The Excellent Moral Education Instruction Award in 2021
Zhejiang University

The Excellent Moral Education Instruction Award in 2021
School of Public Affairs, Zhejiang University

C.V. Starr Fellowship (Starr) in 2017-2018 (\$30,000)
East Asia Program, Mario Einaudi Center for International Studies, Cornell University

Research Grant in 2017-2018 (\$4,000)
Institute for the Social Science (China's Cities: Divisions and Plans), Cornell University

Summer Research Travel Grant in 2017-2018 (\$2,000)
East Asia Program, Mario Einaudi Center for International Studies, Cornell University



Field Research Grant in 2016 (\$3,000)
Department of City and Regional Planning, Cornell University

Outstanding Student Team Project Award in 2015
Team-project in Professor Mildred Warner's Upstate New York Fiscal Stress workshop class.
The Upstate New York Chapter of the American Planning Association (APA)

China National Scholarship Award in 2008, 2009, 2010 (\$1,500 /year)
China University of Mining & Technology

TEACHING EXPERIENCE

Lecturer

Introduction to Urban Management 2021, 2022, 2023 Spring & Summer
Department of Government, Zhejiang University, Hangzhou, China

Inclusive City 2022 & 2023 Summer
The SDG Global Summer School, Zhejiang University, Hangzhou, China

Spatial Statistics in Urban Studies 2022 Winter
Department of Urban Development and Management, Zhejiang University, Hangzhou, China

Urban Environmental Management (Co-teach) 2021, 2022 Summer
Department of Urban Development and Management, Zhejiang University, Hangzhou, China

Public Policy Analysis (Co-teach) 2021, 2022, 2023 Spring & Summer
MPA Program, Zhejiang University, Hangzhou, China

Social Science Methods (Co-teach) 2022, 2023 Spring & Summer
MPA Program, Zhejiang University, Hangzhou, China

Urban Environmental Management (Co-teach) 2021 Spring
MPA Program, Zhejiang University, Hangzhou, China

Asian Economic Development (Co-teach) 2021 Spring & Summer
Zhejiang University, Hangzhou, China

The Frontier of Urban Studies (Co-teach) 2021, 2022 Spring & Summer
Zhejiang University, Hangzhou, China

CRP 5080/4080 Introduction to Geographic Information System 2018 Fall & 2019 Spring
Department of City and Regional Planning, Cornell University, Ithaca, NY

GIS Workshop for the Baker Program on Real Estate 2019 Spring



Baker Program in Real Estate, Cornell University, Ithaca, NY

CRP 3210 Quantitative Methods for the Planning and Public Policy Analysis 2018 Fall
Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP Math Camp 01/2016 & 01/2017 & 01/2018
Department of City and Regional Planning, Cornell University, Ithaca, NY

Teaching Assistant

CRP 6290 Advanced GIS (Spatial Statistics) 2018 Spring
Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP 5250 Introduction to Planning Methods 2017 Spring
Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP 4080/5080 Introduction to Geographic Information System 2015, 2016 Fall
Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP 5050/4040 Urban Economics 2016 Spring
Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP 5072 Land Use, Environmental Planning & Urban Design in NYC Workshop 2011 Fall
Department of City and Regional Planning, Cornell University, Ithaca, NY

Guest Speaker

CRP 7201 Research Design 2018 Spring
Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP 5074 Economic & Community Development Workshop 2015, 2017 Fall
Department of City and Regional Planning, Cornell University, Ithaca, NY

WORKING EXPERIENCE

Research Assistant 01/2012 – 08/2018
Professor Mildred Warner, Department of City and Regional Planning, Cornell University
Project: State Policy and Local Fiscal Stress: Implications for Rural Governments; Great Recession, Fiscal Stress and Demographic Transformation – Implications for Rural Service; Delivery and Multi-Generational Planning

Research Assistant 03/2016 – 05/2019
Institute for the Social Sciences (China's Cities: Divisions and Plan, Cornell University)
Project: Ghost Cities of China



- GIS Specialist** 03/2013 – 12/2013
Program on Applied Demographics, Cornell University
Project: New York State Economic Census Updates; New York State School District Boundary Changes; Define and Delineate Different Suburbs in US
- Research Assistant** 09/2012 – 12/2012
Design Connect, Cornell University
Project: The River Corporation Commerce Park Redevelopment for the Greater Oneonta (NY) Economic Development Council”
- Economic Development Planning Intern** 06/2011 – 08/2011
Development and Reforms Commission, City Government of Huainan, Huainan, China
Project: “the Twelfth 5-Year Comprehensive Plan of Huainan City” “Economic and Technological Development District Planning”
- Land Use Planning Intern** 01/2011 – 03/2011
Bureau of Land Resources, City Government of Huainan, Huainan, Anhui Province, China
Project: Property survey; cadastral database update and management; land-use plan revision; land quotas allocations; farmland reservation; rural property with limited rights (“small” property house) registration and certificate
- Real Estate Development Intern** 06/2010 – 09/2010
Department of Housing Management, City Government of Xuzhou, Jiangsu Province, China
Project: Household survey design; housing demand analysis; land valuation and real estate appraisal for the central business district (CBD) of city
- Land Use Management Intern** 06/2009 – 09/2009
Bureau of Land Resources of Tongshan County and Xuzhou City, Jiangsu Province, China
Project: “The Second National Land Survey (Xuzhou City, Jiangsu Province, China)”

CONFERENCES & INVITED PRESENTATIONS

- Xu, Y.** (2023). *Can inter-city cooperation reduce regional disparities: The spatial analysis of Zhejiang, China*
Department of City and Regional Planning, Cornell University 11/2023
- Xu, Y.** (2023). *The State Orchestrated Regional Cooperation and Regional Inequalities in China*
Department of Global Development, Cornell University 10/2023
<https://cals.cornell.edu/state-orchestrated-regional-cooperation-and-regional-inequalities-china>
- Xu, Y.,** Wu, Y & Zhang, W. (2023). *Can inter-city cooperation reduce regional disparities: The spatial analysis of Zhejiang, China*
Annual Conference of the Association of Collegiate Schools of Planning, Chicago, IL, 10/2023

Xu, Y., Wu, Y & Zhang, W. (2023). *Can inter-city cooperation reduce regional disparities: The spatial analysis of Zhejiang, China*

International Association of China Planning, Tianjin, 06/2023

Xu, Y., & Zhang, Y. (2023). *The spatiotemporal patterns of regional cooperation network: the case of Zhejiang Province, China 2010-2021*

Annual Conference of Association of American Geographers, virtual, 03/2023

Xu, Y., & Wu, Y. (2023). *Urbanization of counties in China: A perspective from regional cooperation.*

Annual Conference of Association of American Geographers, virtual, 03/2023

Xu, Y., & Liang, J. (2022). *State Rescaling, Evolution on The Production of Space And The Construction Of China's Featured Towns: A Case Study Of Gongshu Intelligence Valley In Hangzhou.*

Annual conference of International Association for China Planning, virtual, 06/2022

Xu, Y., & Liang, J. (2022). *Shrinking cities in urbanized China: Dynamic time-series clustering.*

Annual Conference of Association of American Geographers, virtual, 03/2022

Xu, Y., & Warner, M. (2021), *Productivity divergence: state policy, corporate capture and labor power in the US.*

Annual Conference of Association of American Geographers, virtual, 04/2023

Xu, Y. (2019). Invited. *Crowding out development: Fiscal Federalism after the Great Recession.* Public Finance Conference “Ready or Not? Post-Fiscal Crisis/Next Fiscal Crisis”, organized by the Government Finance Research Center at the University of Illinois at Chicago and the Federal Reserve Bank of Chicago, Chicago IL, 05/2019

Xu, Y. (2019). *Financialization in China's Urbanization: The Spatial Diversity of Institutional Incentive with a Geographic Weighted Panel Model.*

49th Annual Conference of the Urban Affairs Association, Los Angeles CA, 04/2019

Xu, Y. (2019). *Shrinking Cities and State Rescaling in China: Time-series Clustering (Invited to present on Asian Symposium: Shrinking Cities: China and International Comparisons II).*

Annual Conference of Association of American Geographers, Washington D.C., 04/2019

Zhang, Z & **Xu, Y.** (2019). *Clustering* (Organized by the Canadian Journal of Regional Science).

Annual Conference of Association of American Geographers, Washington D.C., 04/2019

Xu, Y. (2018). *Seeing the “ghost”: What drives land development in China.*

58th Annual Conference of the Association of Collegiate Schools of Planning, Buffalo NY, 10/2017

Xu, Y. (2018). *Growth and Shrinkage in Urbanized China: Land-Based Urban Development in a Multilevel System.*

48th Annual Conference of the Urban Affairs Association, Toronto ON Canada, 04/2018

Xu, Y. (2018). **Invited as Guest Speaker** to present on:

Session 1: NYSAC Standing Committee Meetings – Intergovernmental Relations

Session 2: What Happens If the Property Tax Cap Becomes Permanent?

New York State Association of Counties Legislative Conference (NYSAC) Albany NY, 01/2018

Xu, Y. (2017). *The Land-based Urban Model in a Multilevel System: The Geographical and Temporal Diversity of State Rescaling.*

57th Annual Conference of the Association of Collegiate Schools of Planning, Denver CO, 10/2017

Xu, Y. & Warner, M. E. (2017). *The Crowd Out of Decentralization on Local Capital Investment for Growth: A Structural Equation Fiscal Model of US County Areas.*

29th Association of Budgeting and Public Finance, Washington D.C., 09/2017

Xu, Y. & Warner, M. E. (2017). *How Does Fiscal Decentralization Crowd Out Local Economic Growth? The Changing Structure of Local Expenditure Can Tell.*

80th Annual Meeting Program of the Rural Sociological Society, Columbus OH, 07/2017

Xu, Y. (2017). *Shrinking Cities in China: A Time-Series Clustering of Urbanization Trend.*

International Conference on China Urban Development 2017, Bartlett School of Planning, University College London, London UK, 05/2017

Xu, Y. (2016). *China's Non-Coordinated Urbanization: Ghost Cities and The Institutional Incentive Problems.*

56th Annual Conference of the Association of Collegiate Schools of Planning, Portland OR, 11/2016

Xu, Y. (2016). *Killing the Growth Machine? Spatially Varied Impacts of Fiscal Decentralization on Local Growth (Invited to present on Spatial Weights and Applications Session).*

Annual Conference of Association of American Geographers, San Francisco CA, 04/2016

Xu, Y. & Warner, M. E. (2015). *Does Decentralization Crowd Out Local Economic Growth?*

55th Annual Conference of the Association of Collegiate Schools of Planning, Houston TX, 10/2015

Xu, Y. & Warner, M. E. (2015). *Three Tales of New York State: Differential Regional Impacts of the Property Tax Cap.*

45th Annual Conference of Urban Affairs Association, Miami FL, 04/2015

Xu, Y. (Dec 9th, 2014 **Covered by Media**). *New York Property Tax Cap: Implications for Local Fiscal Health.*



Local Fiscal Stress – State Austerity Policy & Creative Local Response, Saratoga Spring NY, 12/2014

Xu, Y. & Warner, M. E. (2014). *Spatial Variation of Local Employment Growth in Recession: The Importance of State Policy*.
54th Annual Conference of the Association of Collegiate Schools of Planning, Philadelphia PA, 11/2014

Xu, Y. & Francis, J. (2013). *Constructing Historical Boundaries: Exploring Relationships between Growth, Migration and School Financing*.
60th Annual North American Meetings of the Regional Science Association, Atlanta GA, 11/2013

Xu, Y. (2013). *Decentralization, Local Effort and Rural Inequality: US Counties 2002-2007*.
76th Annual Meeting Program of the Rural Sociological Society, New York City NY 08/2013

SERVICE TO THE PROFESSION AND UNIVERSITY

Editor

International Review of Public Administration “Local Government, City Management, Community Development”, associate editor

Land special issue “Urbanization and City Development in China's Transition”, guest editor

World Regional Studies special issue “The High-Quality Regional Integration of Urban Agglomeration: China’s Plans and Implications”, guest editor

Reviewer

Public Administration Review, Environment & Planning A: Economy and Space, Local Government Studies, Cities, Natural Hazard, Sage Open, Land, Area Development & Policy, Journal of Urban Management, Regional Science Policy & Practice etc.

AFFILIATIONS

The Association of Collegiate Schools of Planning (2014 - current)

The Urban Affairs Association (2015 - current)

The American Association of Geographers (2016 - current)

The International Association of Chinese Planning (2014 - current)

The Association of Budgeting and Public Finance (2017 - current)

The Institute for the Social Science - China’s Cities, Cornell University (2016 - current)



The American Planning Association (2015-2016)

The Rural Sociological Society Association (2013-2014; 2017-2018)

The North American Meetings of the Regional Science Association (2013-2014)

SKILLS

Data Analysis: R, Stata, Python, SPSS, Excel

Spatial Analysis and Modeling: ArcGIS, R, Geoda, GWR4.0, QGIS, CARTO, Python, ENVI

Regional Impact Analysis: IMPLAN, GAMS

Agent-based Modeling: NetLogo

Urban Design: AutoCAD, Sketchup, Adobe Photoshop, Adobe Illustrator, InDesign

Programming: Python, Visual Basic, SQL, VRML

Language: Mandarin, English