LIKUN CAO 曹立坤

Department of Sociology
Division of the Social Sciences, The University of Chicago, the United States.
+1 8722120599 | e: lkcao@uchicago.edu
Personal Website: https://lkcao.github.io

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EDUCATION

The University of Chicago   Chicago, IL
Ph.D., Sociology   Expected: 2025
    Certificate in Computational Social Sciences   2022
    Certificate in Advanced Quantitative Method   2021
 M.A., Sociology   2021

Tsinghua University   Beijing , China
 M.A., Sociology   2019
B.A., Sociology   2016

RESEARCH INTERESTS AND SKILLS

Research Interest: Science, Technology and Innovation; Computational Social Science;
Organizational Analysis; Social Networks; Entrepreneurship
Coding: Python, R, STATA
Statistic Software: SPSS (AMOS), SAS, ArcGIS, Geoda, Eviews
Other Research Tools: Mechanical Turk; Zooniverse
Language: Chinese (native), English (professional), French (DELF A2)

PUBLICATIONS

Ren, J., Li, X., & **Cao, L**. (2023). Manager mobility and private equity syndications from the perspective of coupling networks: evidence from China's private equity industry. *Journal of Social Computing, 4*(2): 150-167.

Cao, L., Chen, Z., & Evans, J. (2022). Destructive Creation, Creative Destruction, and the Paradox of Innovation Science. *Sociology Compass*, 16(11).

Zheng, L., **Cao, L.**, Ren, J., Li, X., Yin, X., & Chen, J. (2022). How venture capital firms choose syndication partners: the moderating effects of institutional uncertainty and investment preference, *Management and Organization Review, 18*(3), 463-490.

Cao, L., & Ren, J. (2022). Machine learning shows that the Covid-19 pandemic is impacting U.S. public companies unequally by changing risk structures, *PLOS ONE.*

Zheng, L., He, X., **Cao, L**., & Xu, H. (2018). Making modernity in China: employment and entrepreneurship among the new generation of peasant workers. *International Journal of Japanese Sociology*, 27(1), 26-40.

Book Review/ Book Chapters

Cao, L., & Mao, H. (2023). Book Review for *Atlas of AI: Power, Politics, and the Planetary Costs of Artificial Intelligence. Journal of Intelligent Society*, 2(4): 192-206. [In Chinese]

WORKING PAPERS

Cao, L., Chen, Z., & Evans, J. Higher-Order Invention and New Venture Success.

Cao, L., Pan, R., & Evans, J. The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity. *Data Analysis.*

Cao, L., & Evans, J. Depth versus Breadth in the Hierarchical Recombination of Technology. *Drafting.*

Zhong, Q., & **Cao, L**. Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Patent Data. *Data Analysis.*

CONFERENCES AND INVITED TALKS

Academic Conferences

"The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity"

118th ASA Annual Meeting, Philadelphia, PA	Aug 2023

"Depth versus Breadth in the Hierarchical Recombination of Technology"

118th ASA Annual Meeting, Philadelphia, PA	Aug 2023
2nd International Conference on Science of Science and Innovation, Chicago, IL	Jun 2023

"Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Technology and Culture Data"

9th International Conference on Computational Social Science, Copenhagen, DK	Jul 2023

"Higher-Order Invention and New Venture Success"

116th ASA Annual Meeting, Virtual	Aug 2021
7th International Conference on Computational Social Science, Virtual	Jul 2021
8th International Conference on Computational Social Science, Chicago, IL	Jul 2022
1st International Conference on Science of Science and Innovation, Washington, DC	Jun 2022
83rd AOM Annual Meeting, Boston, MA	Aug 2023

"Choice of Co-investment Partners of Chinese Venture Capital Firms"

ICSA Annual Conference, Princeton, NJ	Aug 2018

Invited Talks

"Modelling Social Contexts and Economic Landscape by Text Analysis"

ProQuest's 3rd Annual Fall Faculty Webinar	Oct 2021

"Higher-Order Invention and New Venture Success"

Santa Fe Institute Graduate Workshop in Computational Social Science	Jun 2022
University of Pittsburgh, School of Computing and Information	Nov 2022

"The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity"

    The University of Chicago, Computational Social Science Workshop   2023

FELLOWSHIP, AWARDS AND HONORS

The University of Chicago

• Urban Doctoral Fellow: Mansueto Institute for Urban Innovation ($1000)	2023 - 2024
• Sociology Department Travel Grant ($1000)	2023
• Charles Henderson Research Fund ($4000)	2023
• Institute for Humane Studies Grant ($500)	2022
• UChicago Graduate Council Research & Personal Development Fund ($600)	2022
• Wing C. Chan and Angelina H. Li Pre-Dissertation Research Grant ($1650)	2022
• UChicago Graduate Fellowship for Ph.D. students	2019-2026

Tsinghua University

• Chinese National Scholarship for Graduate Students (top 1%) (¥20000)	2018
• Tsinghua-Qingdao Data Science Institute Research Grant (€4000)	2018
• Tsinghua Comprehensive Excellence Scholarship (¥5000)	2016

TEACHING EXPERIENCE

Teaching Assistant

Sociology Department, The University of Chicago

• Thinking with Deep Learning for Complex Social and Cultural Data Analysis	2021-2022
• Statistical Methods of Research	2022

Economics Department, The University of Chicago

• Innovators	2020

Sociology Department, Tsinghua University

• Financial Sociology	2019
• Social Network Analysis	2018
• Big Data Analytics	2018

Schwarzman College, Tsinghua University

• China's Rise in Comparative Perspective	2018

OTHER TRAINING

Summer School/Workshop/Reading Camp

Carnegie School of Organizational Learning Summer School	2023

• *Virtual Session*

HBS Summer School in Computational Organization Science	2023

• *Harvard Business School, Boston*

Santa Fe Institute Graduate Workshop in Computational Social Science (GWCSS)	2022

• *Santa Fe Institute, New Mexico*

- *Simulation project: http://jhmsfi.com/econ/homework20/4/index.html*

Swarma-Kaifeng Foundation Reading Camp for Complex System   2020
- *Virtual session*

Workshop on Artificial and Computational Social Sciences   2017
- *Sun Yat-sen University, Guangzhou*

Online Courses and Tutorials

Coursera: *Applied Data Science with Python Specialization, Deep Learning Specialization*
Complexity Explorer: *Introduction to Complexity, Introduction to Renormalization*

PROFESSIONAL SERVICES

Editorial Work
- American Journal of Sociology Associate Editor   2022-2023
- American Journal of Sociology Manuscript Board Member   2021-2022

Reviewer
- *Journal:* American Journal of Sociology, Chinese Journal of Sociology, Technovation, Journal of Social Computing, The Journal of Mathematical Sociology
- *Conference:*
  2022: AOM Annual Meeting, SMS Annual Conference, IC2S2
  2023: AOM Annual Meeting, IC2S2

Academic Translator and proofreader
- *Social Science Academic Press, Beijing*
  Social Network Analysis: Methods and Examples (Sage)   2019
  The Sense of Dissonance: Accounts of Worth in Economic Life (Princeton)   Ongoing

Workshop/Conference Organizer
- UChicago SSD B.A. thesis award committee   2022-2023
- Tsinghua social science seminar discussant   2023
- IC2S2 co-organizer   2022
- Swarma computational social science reading group moderator   2022