

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>

UPDATED JUNE 2024

EDUCATION

The University of Chicago	Chicago, IL
Ph.D., Sociology	Expected: 2025
<i>Certificate in Computational Social Sciences</i>	2022
<i>Certificate in Advanced Quantitative Method</i>	2021
M.A., Sociology	2021
Tsinghua University	Beijing , China
M.A., Sociology	2019
B.A., Sociology	2016

RESEARCH INTERESTS AND SKILLS

Research Interest: Computational Social Science; Science, Technology and Innovation; Organization; Social Networks

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

Peer-Reviewed Journals

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.

Book Review and 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]

UNDER REVIEW

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

Cao, L., & Evans, J. Deep versus Broad Technology Search and the Timing of Innovation Impact. *Reject and Resubmit at SMJ.*

Cao, L, Zhang, L. & Evans, J. Spinning a Web in a Bottle: Networks, Organizational Structure and Career Success. *Under Review.*

WORKING PAPERS

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

Aceves, P., Chambers C., Alves, M., **Cao, L.** & Evans, J. Middle-Status Myopia. *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”

3rd International Conference on Science of Science and Innovation, Washington, DC Jun 2024

84th AOM Annual Meeting, Chicago, IL Aug 2024

10th International Conference on Computational Social Science, Philadelphia, PA July 2024

118th ASA Annual Meeting, Philadelphia, PA Aug 2023

2nd International Conference on Science of Science and Innovation, Chicago, IL Jun 2023

“Higher-Order Invention and New Venture Success”

83rd AOM Annual Meeting, Boston, MA Aug 2023

1st International Conference on Science of Science and Innovation, Washington, DC Jun 2022

8th International Conference on Computational Social Science, Chicago, IL Jul 2022

116th ASA Annual Meeting, Virtual Aug 2021

7th International Conference on Computational Social Science, Virtual Jul 2021

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

74th Annual Conference of the International Communication Association, AUS June 2024

16th Annual INAS Conference, DE May 2024

9th International Conference on Computational Social Science, Copenhagen, DK Jul 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
<i>“The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity”</i>	
The University of Chicago, Computational Social Science Workshop	2023

FELLOWSHIP, AWARDS AND HONORS

The University of Chicago

• UChicago Charles Henderson Research Fund-Final Round (\$2000)	2024
• Institute for Humane Studies Graduate Student Fellowship (\$5000)	2024
• Summer Residency Award at UChicago Beijing Center (\$2000)	2024
• Urban Doctoral Fellow: Mansueto Institute for Urban Innovation (\$1000)	2023 - 2024
• UChicago Charles Henderson Research Fund (\$4000)	2023
• Wing C. Chan and Angelina H. Li Pre-Dissertation Research Grant (\$1650)	2022
• Various Travel Grants from SSD and UChicago Grad Council	2019-2026
• 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/MACSS, The University of Chicago

• Computational Content Analysis	2024
• 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

The Summer Institutes in Computational Social Science (SICSS)	2024
• Kellogg School of Management/Northwestern University, Chicago	
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

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

Reviewer

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

Workshop/Conference Organizer

- ICSSI Best Student Talk Award Committee 2024
- UChicago SSD B.A. thesis award committee 2022-2023
- Tsinghua social science seminar discussant 2023
- Program committee member for IC2S2 2023
- Swarma computational social science reading group moderator 2022