

# 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

<b>The University of Chicago</b>	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
<b>Tsinghua University</b>	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

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

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

## WORKING PAPERS

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**Cao, L,** Zhang, L. & Evans, J. Visible Ladders, Hidden Ladders: Unraveling the Interplay Between Formal Organizational Structures and Networks in Career Advancement. *Drafting.*

**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

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### Academic Conferences

*“The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity”*

118<sup>th</sup> ASA Annual Meeting, Philadelphia, PA Aug 2023

*“Depth versus Breadth in the Hierarchical Recombination of Technology”*

3<sup>rd</sup> International Conference on Science of Science and Innovation, Washington, DC Jun 2024

84<sup>th</sup> AOM Annual Meeting, Chicago, IL Aug 2024

10<sup>th</sup> International Conference on Computational Social Science, Philadelphia, PA July 2024

118<sup>th</sup> ASA Annual Meeting, Philadelphia, PA Aug 2023

2<sup>nd</sup> International Conference on Science of Science and Innovation, Chicago, IL Jun 2023

*“Higher-Order Invention and New Venture Success”*

83<sup>rd</sup> AOM Annual Meeting, Boston, MA Aug 2023

1<sup>st</sup> International Conference on Science of Science and Innovation, Washington, DC Jun 2022

8<sup>th</sup> International Conference on Computational Social Science, Chicago, IL Jul 2022

116<sup>th</sup> ASA Annual Meeting, Virtual Aug 2021

7<sup>th</sup> 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”*

74<sup>th</sup> Annual Conference of the International Communication Association, AUS June 2024

16<sup>th</sup> Annual INAS Conference, DE May 2024

9<sup>th</sup> 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 3<sup>rd</sup> 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

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### 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

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### 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
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#### *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
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## OTHER TRAINING

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### 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

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#### 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

- Program committee member for Conference on Complex Systems (CCS) 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