LIKUN CAO 曹立坤

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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: 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.

Cao, L., & Evans, J. Deep versus Broad Technology Search and the Timing of Innovation Impact.

Working Papers

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

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"

3nd 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

"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

- 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

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
- 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