

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 SEPTEMBER 2024

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

- [1] Cao, L., Chen, Z., & Evans, J. (2022). Destructive Creation, Creative Destruction, and the Paradox of Innovation Science. *Sociology Compass*, 16(11).
- [2] 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

- [3] 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.,** Zhang, L. & Evans, J. Spinning a Web in a Bottle: Networks, Organizational Structure and Career Success. *R&R at Organization Science*.
- Cao, L.,** & Evans, J. Hyperbolic Embedding as a Machine Learning Representation for Knowledge System. *Rej & R at SMJ*.
- Cao, L.,** Chen, Z., & Evans, J. Modularity, Higher-Order Invention and New Venture Success. *Rej & R at Research Policy*.

WORKING PAPERS

- Cao, L.,** Pan, R., & 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*.

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

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
- “*Hyperbolic Embedding as a Machine Learning Representation for Knowledge Systems*”
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
- “*Modularity, Higher-Order Invention and New Venture Success*”

83 rd AOM Annual Meeting, Boston, MA	Aug 2023
1 st International Conference on Science of Science and Innovation, Washington, DC	Jun 2022
8 th International Conference on Computational Social Science, Chicago, IL	Jul 2022
116 th ASA Annual Meeting, Virtual	Aug 2021
7 th International Conference on Computational Social Science, Virtual	Jul 2021
<i>“Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Technology and Culture Data”</i>	
74 th Annual Conference of the International Communication Association, AUS	June 2024
16 th Annual INAS Conference, DE	May 2024
9 th International Conference on Computational Social Science, Copenhagen, DK	Jul 2023
<i>“Choice of Co-investment Partners of Chinese Venture Capital Firms”</i>	
ICSA Annual Conference, Princeton, NJ	Aug 2018

Invited Talks

<i>“Modelling Social Contexts and Economic Landscape by Text Analysis”</i>	
ProQuest’s 3 rd Annual Fall Faculty Webinar	Oct 2021
<i>“Higher-Order Invention and New Venture Success”</i>	
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	Dec 2023

TEACHING EXPERIENCE

Teaching Assistant

<i>Sociology Department/MACSS, The University of Chicago</i>	
Computational Content Analysis	2024
Thinking with Deep Learning for Complex Social and Cultural Data Analysis	2021-2022
Statistical Methods of Research	2022
<i>Economics Department, The University of Chicago</i>	
Innovators	2020
<i>Sociology Department, Tsinghua University</i>	
Financial Sociology	2019
Social Network Analysis	2018
Big Data Analytics	2018
<i>Schwarzman College, Tsinghua University</i>	
China’s Rise in Comparative Perspective	2018

OTHER TRAINING

Summer School/Workshop/Reading Camp

The Summer Institutes in Computational Social Science (SICSS Chicago)	2024
Carnegie School of Organizational Learning Summer School	2023
HBS Summer School in Computational Organization Science	2023
Santa Fe Institute Graduate Workshop in Computational Social Science (GWCSS)	2022

Swarma-Kaifeng Foundation Reading Camp for Complex System	2020
Sun Yat-sen Workshop on Artificial and Computational Social Sciences	2017

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

<i>Social Science Academic Press, Beijing</i>	
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, Journal of Computational Social Science, Humanities and Social Sciences Communications, PLOS One
Conference: AOM Annual Meeting, SMS Annual Conference, IC2S2

Workshop/Conference Organizer/Committee Service

ASA SKAT section fund raising committee	2024
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 CSS reading group moderator	2022

REFERENCES

James Evans

Max Palevsky Professor
Department of Sociology
University of Chicago
Email: jevans@uchicago.edu

Dashun Wang

Professor of Management & Organizations
Kellogg School of Management
Northwestern University
Email: dashunwang@gmail.com

Elisabeth Clemens

William Rainey Harper Professor
Department of Sociology
University of Chicago
Email: clemens@uchicago.edu

John Levi Martin

Florence Borchert Bartling Professor
Department of Sociology
University of Chicago
Email: jlmartin@uchicago.edu