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UPDATED AUG 2023

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

PROFILES

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

Combinatorial Innovation in Science, Technology and Organizations

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

Co-Evolution of Knowledge and Organizational Networks

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.

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.

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 Chapter/Other Publications in Computational Social Science

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

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*.

WORKING PAPERS

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

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 Aug 2023

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

118th ASA Annual Meeting Aug 2023

2nd International Conference on the Science of Science & Innovation 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 Jul 2023

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

116th ASA Annual Meeting Aug 2021

7th International Conference on Computational Social Science Jul 2021

8th International Conference on Computational Social Science Jul 2022

1st International Conference on the Science of Science & Innovation Jun 2022

83rd Annual Meeting of the Academy of Management Aug 2023

“*Choice of Co-investment Partners of Chinese Venture Capital Firms*”

ICSA Annual Conference of the International Chinese Sociology Association 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

FELLOWSHIP, AWARDS AND HONORS

The University of Chicago

- Urban Doctoral Fellow: Mansueto Institute for Urban Innovation 2023 - 2024
- Sociology Department Travel Grant (\$1000) 2023
- Charles Henderson Research Fund (\$4000) 2023
- IHS Hayek Fund for Scholars 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

The University of Chicago (Teaching Assistant) 2020-2022

Sociology Department: *Thinking with Deep Learning for Complex Social and Cultural Data Analysis, Statistical Methods of Research*
 Department of Economics: *Innovators*

Tsinghua University (Teaching Assistant) 2016-2019

Sociology Department: *Social Network Analysis, Big Data Analytics, Financial Sociology*
 Schwarzman College: *China's Rise in Comparative Perspective*

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

Conference:

2022: AOM Annual Meeting, SMS Annual Conference, IC2S2

2023: AOM Annual Meeting, IC2S2

Workshop/Conference Organizer

- IC2S2 co-organizer 2022
- Swarma computational social science reading group moderator 2022
- UChicago SSD B.A. thesis award committee 2022, 2023