ZHUOFAN LI
/dʒʊɒ-fʌn/

School of Sociology, University of Arizona
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Education

Exp. 2024   Ph.D. in Sociology, University of Arizona

Graduate Certificate in Computational Social Science

DISSERTATION: Corporate Open Science and Relational Work on Knowledge Infrastructure in Artificial Intelligence Research

COMMITTEE: Ronald Breiger (Chair), Joseph Galaskiewicz, Erin Leahey, Corey Abramson

2018   B.A. in Sociology, *magna cum laude*, Franklin & Marshall College

Research Interests

Computational Social Science, Economic Sociology, Science & Knowledge, Organizations & Work, Culture, Social Aspects of Big Data & Computing, Machine Learning for Networks, Language & Vision, Methodology

Publications

2024   **Li, Zhuofan** and Corey Abramson. "Ethnography and Machine Learning: Synergies and New Directions." Forthcoming in *Oxford Handbook of the Sociology of Machine Learning*, edited by Juan Pablo Pardo-Guerra and Christian Borch.

2021   **Li, Zhuofan**, Daniel Dohan, and Corey Abramson. "Qualitative Coding in the Computational Era: A Hybrid Approach to Improve Reliability and Reduce Effort for Coding Ethnographic Interviews." *Socius* 7: 10.1177/23780231211062345.

Working Papers

ECONOMIC SOCIOLOGY OF SCIENCE & COMPUTING

Li, Zhuofan. "The Embeddedness of Moral Legitimacy in A Market for Big Data Technology."

Li, Zhuofan. "Corporate Participation in Open Science: Spillover, Brokerage, and the Relational Compositionality of Institutional Boundaries in Artificial Intelligence Research."

ORGANIZATIONS AND CULTURE

Li, Zhuofan, Daniel Dohan, and Corey Abramson. "'Time Is Money, Money Can't Buy Time': Temporal Misalignments and the Inequality of Action in Unsettled Lives." Under Reivew.

MACHINE LEARNING FOR NETWORKS, TEXT & IMAGES

Abramson, Corey, Tara Prendergast, **Zhuofan Li**, and Martín Sánchez-Jankowski. "'There Isn't Any Medication for That': Inequality, Identity, and the Social Organization of Misery in America's Pain Narratives." Under Review.

Li, Zhuofan. "The Duality of Identities and Categories: A Network Approach."

Work in Progress

ECONOMIC SOCIOLOGY OF SCIENCE & COMPUTING

Li, Zhuofan. "Corporate Laboratories, Open Source Communities, and Scientific Careers: A Relational (Hyper)Event Analysis."

Li, Zhuofan. "Making Artificial Intelligence Work: Scientific Labor and Market Infrastructure in Computer Vision Research." Invited Submission.

ORGANIZATIONS AND CULTURE

> Zhang, Yongjun and **Zhuofan Li**. "Using Word Embeddings to Measure Executives' Cultural Distance in Corporate America."

MACHINE LEARNING FOR NETWORKS, TEXT & IMAGES

> **Li, Zhuofan**. "Attention Is All You Need for Semantic Networks."

Presentations

2023   **Li, Zhuofan**. "A Moral Economy of Big Data: Moral Attachment and Disembedding in the Facial Recognition Technology Market." Paper presented at Economic Sociology Regular Session, "Culture and Markets," American Sociological Association Annual Meeting (ASA), Philadelphia.

2023   **Li, Zhuofan**. "Corporate Participation in Open Science: From Spillover to Brokerage." Poster presented at International Conference on Science of Science and Innovation (ICSSI), Evanston.

2022   Abramson, Corey, **Zhuofan Li**, Daniel Dohan. "Introduction to Machine Learning for Qualitative Research." Workshop at American Sociological Association Annual Meeting (ASA), Los Angeles.

2022   **Li, Zhuofan**, Corey Abramson, and Daniel Dohan. "The Temporal Structure of Capitals: Lessons from the End of Life." Paper presented at Sociology of Culture Section Session, "Action in Unsettled Times," American Sociological Association Annual Meeting (ASA), Los Angeles.

2021   **Li, Zhuofan**. "Lexicons into Categories: A Semantic Network Approach to Category-Spanning Identities." Paper presented at Organization, Occupation, and Work Section Roundtable Session, American Sociological Association Annual Meeting (ASA), Online.

2021   **Li, Zhuofan**. "A Semantic Network Approach to Category-Spanning Identities." Paper presented at Networks 2021: A joint Sunbelt and NetSci Conference, hosted by Indiana University Network Science Institute, Online.

Grants & Fellowships

EXTERNAL

2023-2024   American Sociological Association Doctoral Dissertation Research Improvement Grant (ASA DDRIG)

UNIVERSITY OF ARIZONA

2023-2024   Social and Behavioral Sciences Graduate Fellowship

2023   Graduate and Professional Student Council (GPSC) Travel Grants

2022   Social and Behavioral Sciences Summer Dissertation Fellowships

2019-2020   Federick & Margaret S. Conrad Graduate Scholarship

2018-2019   Social and Behavioral Sciences Graduate Fellowship

FRANKLIN & MARSHALL COLLEGE

2017-2018   Nissley Grant for Outstanding Student-initiated Research Projects in the Arts, Humanities, or Social Sciences

2017   Hackman Summer Research Scholarship

Honors & Awards

2021   Honors Pass, PhD Comprehensive Exam in Social Networks, University of Arizona

2020   Honors Pass, PhD Comprehensive Exam in Organizations & Work, University of Arizona

2018   William M. Kephart Prize in Sociology, Franklin & Marshall College

2018   Tourish Prize in Criminology, Franklin & Marshall College

2018   Phi Beta Kappa

Research Experiences

2023-2024   Research Assistant to Joseph Galaskiewicz on Public Health Guidance, Neighborhoods, and SARS-CoV-2

2021-2022   Research Assistant to Corey Abramson on Next Generation Ethnography to Understand Medical Decision-Making

2020-2021   Research Assistant to Jennifer Earl on Police Innovations in Riot Control Tactics and Youth Participation in Political Activism

Teaching

Undergraduate

2022-2023   Soc 101: Intro to Sociology

Graduate

2021   Guest Lecture on Computational Social Science, Soc 575: Advanced Research Methods

Service

External

2023   Panelist, ASA Doctoral Dissertation Research Improvement Grant (ASA DDRIG) Proposal Preparation Workshop, American Sociological Association Annual Meeting, Philadelphia.

2023   Volunteer, American Sociological Association Economic Sociology Section Awards Showcase and Panel

School of Sociology, University of Arizona

2023   Graduate Student Representative, Graduate Studies Committee

2021-2022   Graduate Student Representative, Faculty Recruitment Committee

2021-   Co-organizer, Social Organization Seminar, A Monthly Reading Group for Faculty, Graduate Students, and Guest Discussants

2020-2021   Conception & Survey Design, Graduate Student Climate Survey on Diversity, Equity & Inclusion

Peer Review

2023   *Sociological Methodology*, Academy of Management Annual Meeting

Skills

Programming: Python, R, C++, STATA, LaTeX, SQL, BigQuery, HTML, Git, Docker

Languages: Chinese (native)

References

Ronald Breiger, PhD
Regents Professor
School of Sociology
University of Arizona

Joseph Galaskiewicz, PhD
Professor
School of Sociology
University of Arizona

Erin Leahey, PhD
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