

Chao Liu

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EDUCATION

2017-22	Ph.D., Sociology, North Carolina State University
2014-16	M.A., Sociology, University of Arkansas-Fayetteville
2009-13	B.A., Sociology, Sun Yat-sen (zhongshan) University, China

RESEARCH AND TEACHING INTERESTS

Social Networks	Organizations
Technology and Work	Quantitative Methods
Economic Sociology	Computational Social Science

PUBLICATIONS

Peer-Reviewed Articles

forth. **Liu, Chao**, Steve McDonald, and Vincent Chua. "Of Markets and Networks: Marketization and Job Lead Receipt in Transitional China." *Sociological Inquiry*.

Book Chapters

forth. **Liu, Chao** and Steve McDonald. "Old Boy Networks at Work in the United States." *Informal networks in international business*, ed. Sven Horak. Emerald Publishing.

forth. McDonald, Steve and **Chao Liu**. "Sociogram." *The Sage Encyclopedia of Research Design*, ed. B. Frey. SAGE Publishing.

WORK IN PROGRESS

Working Papers (available upon request)

Liu, Chao and Guang Guo. "Interactive Effects between Social Context and Genomic Propensity on Delinquency among American Males."

Liu, Chao. "Structural Sources of Open Collaboration in GitHub's Online Community."

Liu, Chao. "Breaking the Iron Law of Oligarchy: Distributed Collaboration in Open Source Software Teams."

Liu, Chao. "Network Dependencies and Member Engagement in Virtual Collaboration."

Liu, Chao. "Revisiting Social Isolation in America: An Egocentric Analysis of 'Feel Close to' Networks."

AWARDS, FELLOWSHIPS, AND HONORS

- 2020 Travel Stipend (\$1,200), Institute for Social Research, University of Michigan (Travel canceled due to COVID-19)
- 2020 Travel Assistance Award (\$500), Graduate Student Association, North Carolina State University
- 2017-18 University Graduate Fellowship (\$4,000), North Carolina State University
- 2013 Outstanding Undergraduate Thesis Award, Sun Yat-sen University, China
- 2009-13 Scholarship for Outstanding Students, Sun Yat-sen University, China
- 2009-13 National Scholarship for Encouragement, Chinese Ministry of Education

PROFESSIONAL DEVELOPMENT

- 2021.06 **Genomics for Social Scientists** Summer Workshop, Institute for Social Research, University of Michigan
- 2019.06 Summer Institute in **Computational Social Science**, RTI International, NC
- 2019.05 **Social Networks and Health** workshop, Duke University
- 2018.08 **Data Matters** workshop, North Carolina State University
- Courses: Multi-Level Modeling, Visualization in Data Science Using R, R Programming
- 2013.07 **Data Analysis and Research Paper Writing** workshop, Fudan University, China
- Courses: Advanced Quantitative Methods, Categorical Data Analysis, etc.
- 2012.08 **Advanced Social Statistics** workshop, Sun Yat-sen University, China
- Courses: Social Network Analysis, Event History Analysis, etc.
- 2011.07 **Methods for Empirical Social Research**, Xi'an Jiaotong University, China
- Courses: Sampling and Data Processing, Multilevel Analysis, Advanced Use of Stata

SELECTED PRESENTATIONS

Conference Presentations

- 2021 “Interactive Effects between Social Context and Genomic Propensity on Delinquency among American Males,” with Guang Guo. American Sociology Society annual meeting. Virtual, August 6-10.
- 2021 “Network Structure of Teams and Team Participation in the GitHub Community.” International Network for Social Network Analysis (Sunbelt) annual meeting. Virtual, July 5-10.
- 2020 “Structural Sources of Open Collaboration in GitHub’s Online Community,” with Steve McDonald. International Network for Social Network Analysis (Sunbelt) annual meeting. Virtual, July 13-17.
- 2019 “Breaking the Iron Law of Oligarchy: Distributed Collaboration in Open Source Software Teams,” with Steve McDonald. Roundtable presentation. American Sociological Society annual meeting. New York, August 10-13.
- 2019 “Of Markets and Networks: Marketization and Job Lead Receipt in Transitional China,” with Steve McDonald & Vincent Chua. Southern Sociological Society annual meeting.

Atlanta, April 10-13.

- 2018 “Structural Sources of Project Involvement in GitHub’s Online Community,” with Steve McDonald. Poster presentation. Southern Sociological Society annual meeting. New Orleans, April 4-7.
- 2016 “Revisiting Social Isolation in America: An Egocentric Analysis of ‘Feel Close to’ Networks,” with Song Yang. Midwest Sociological Association annual meeting. Chicago March 23-26.

TEACHING EXPERIENCE

Instructor of Record

SOC 300 Social Research Methods

- Research design, qualitative and quantitative methods
- Summer 2021, Fall 2021(two sections), Spring 2022 (scheduled)
- class size range: 30-40

SOC 202 Principles of Sociology

- Introduction to sociology
- Fall 2019, Spring 2020, Fall 2020, Spring 2021, Spring 2022(scheduled)
- class size range: 30-40

Teaching Assistant

SOC 306 Criminology

- Fall 2018

SOC 261 Technology in Society and Culture

- Spring 2018, Spring 2019

Teaching Certificate

Communication Strategies for Teaching and Beyond, North Carolina State University, 2021

PROFESSIONAL AFFILIATION

International Network for Social Network Analysis (Sunbelt)

American Sociological Society

Southern Sociological Society

Midwest Sociological Association

SOFTWARE SKILLS

R, Stata, Python, SPSS, Pajek