

HUIMIN XU

Website: <https://xuhuimin2017.github.io/>

Google scholar : <https://scholar.google.com/citations?user=2HdXQFAAAAAAJ&hl=en&oi=sra>

Education

PH.D., in Information School, University of Texas at Austin, US	Aug. 2021-May 2026
M.A. in School of Journalism and Communication, Nanjing University, China	Sep. 2018-June 2021
B.A. in School of Information Management, Nanjing University, China	Sep. 2014-June 2018

Research Interests

Computational social science; Social inequality; Organizational culture and innovation; Science of science

Journal Articles

- **Xu, H.**, Zhang, Z., Wu, L., & Wang, C. J. (2019). The Cinderella Complex: Word embeddings reveal gender stereotypes in movies and books. *PloS One*, 14(11), e0225385.
- **Xu, H.**, Chen, Z., Li, R., & Wang, C. J. (2020). The geometry of information cocoon: Analyzing the cultural space with word embedding models. arXiv:2007.10083.
- **Xu, H.**, Bu, Y., Liu, M., Zhang, C., Sun, M., Zhang, Y., ... & Ding, Y. (2021). Team Power and Hierarchy: Understanding Team Success. arXiv preprint arXiv:2108.04108.

Conference Papers

- **Xu, H.**, Chen, Z., & Wang, C. J. (2018). Social classes shape our trajectories in both online and offline space. The 4th Annual International Conference on Computational Social Science (oral report), July 12–15, 2018, Evanston, Illinois, United States. (1,000\$ travel scholarship)
- **Xu, H.**, Zhang, Z., Wu, L., & Wang, C. J. (2019). The Cinderella Complex. The 5th Annual International Conference on Computational Social Science (poster), July 17–20, 2019, Amsterdam, Netherlands.
- **Xu, H.**, Chen, Z., Li, R., & Wang, C. J. (2020). The geometry of information cocoon. The 6th Annual International Conference on Computational Social Science (poster), July 17–20, 2020, Cambridge, Massachusetts, United States. (Online due to COVID-19)

Research Experience

Ongoing project: Team power and success

Advisor: Ying Ding

Oct. 2020-present

- Measure team power level and power hierarchy in the AMiner Dataset of 2 million articles
- Explore the interactive effect of power level and dispersion on team performance in science of science

Ongoing project: Organizational weirdness and innovation

Advisors: Lingfei Wu, Amir Goldberg, Sameer Srivastava

Aug. 2020-present

- Identify and visualize the communities of professions with millions of companies in the U.S. 2010 - 2019
- Comparison of professions in skill composition across companies
- Explore the relationship of innovation and weird skill combinations in core profession and mental labor

Ongoing project: The geometry of information cocoon

Advisors: Cheng-jun Wang, Winson Peng

Dec. 2019-present

- Examine the existence of information cocoon in the daily use of digital media across mobile apps, mobile reading and computer platforms
- Investigate the relation between information cocoon and social class from public time and private time
- Compare interindividual differences on the distance to different contents (knowledge, entertainment)

Research project: The Cinderella Complex - Men are women's way to happiness

Advisors: Lingfei Wu, Cheng-jun Wang

July 2018-Nov. 2019

- Collect 7,226 books, 6,087 movie synopsis, and 1,109 movie scripts online
- Explore the asymmetric emotional dependency of females on males through the shape of stories
- Apply network analysis to unpack the life of female and male
- Examine how gender stereotypes influence people's choice

Research intern: Natural language processing at ColorfulClouds Tech.

Supervisor: Da Xiao

Summer 2018, Winter 2019, Summer 2019

- Train GPT and Bert models to generate story
- Understand the difference between AI and human in evaluating and narrating movie stories
- Analyze character network and plot narratives to improve story generation models

Research intern: Faculty of Education at the University of British Columbia

Supervisor: Robinder Bedi

June

2017-Sep. 2017

- Explore the practices and characteristics of counseling psychology and counseling psychologists in Canada
- Statistics analysis using SPSS and result summary

Grants & Fellowships

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- National Scholarship for Graduate Students 2020 (20,000¥)
 - Tencent S-Tech Academic Support for Communication Program 2018-2019 (20,000¥)
 - Mitacs Globalink Research Internship Sponsored by China Scholarship Council 2017.06-2017.09
 - National Undergraduate Training Program for Innovation and Entrepreneurship 2015-2016 (8,000¥)

Teaching Assistant

- Data mining and analysis, 2018-2019
- Social media and communication networks, 2019-2020

Skills

- Python, Stata, SPSS, Gephi