HUIMIN XU

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

Education

M.A. in School of Journalism and Communication, Nanjing University, China   Sep. 2018-present
B.A. in School of Information Management, Nanjing University, China   Sep. 2014-June 2018
Visiting student, Faculty of Education, University of British Columbia, Canada   June 2017-Sep. 2017

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, *submitted*.

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
Advisor: 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

Advisor: 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

Advisor: 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.

Advisor: 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

- National Scholarship   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