# HUIMIN XU

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## EDUCATION

Graduate student 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

Exchange student, ESSEC Business School, France      Feb. 2017-June 2017

## RESEARCH EXPERIENCE

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

Advisor: Lingfei Wu, Cheng-jun Wang      Jan. 2019-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 the stories
- Employ network analysis to unpack the life of female and male
- Examine how gender stereotypes influence people's choice

**Research project: The geometry of information cocoon**

Advisor: Cheng-jun Wang      Jan. 2020-June 2020

- examine the existence of information cocoon in the daily use of digital media across mobile apps, mobile reading and computer use
- investigate the relation between information cocoon and social class
- explore the relation between the content of entertainment and social class

**Research intern: Natural language processing in Caiyun Technology Company**

Advisor: Da Xiao      Summer 2018, Winter 2019, Summer 2019

- Train GPT and Bert models to generate story
- Analyze character network and plot narratives to improve story generation models

**Research intern: Faculty of Education in University of British Columbia**

Supervisor：Robinder Bedi      June 2017-Sep. 2017

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

## PUBLICATIONS

- 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.

## CONFERENCES

- The geometry of information cocoon
  6th Annual International Conference on Computational Social Science (IC2S2), Cambridge, MA USA (Online)
- The Cinderella Complex: word embeddings reveal gender stereotypes in movies and books
  5th Annual International Conference on Computational Social Science (IC2S2), Amsterdam, Netherlands
- The Shape of Stories
  6th Satellite on Quantifying Success, NetSci 2019, Burlington, Vermont USA
- Social class shapes our trajectories both online and offline (1,000$ travel scholarship)
  4th Annual International Conference on Computational Social Science (IC2S2), Evanston,   IL USA

## SKILLS & INTERESTS

- Research interest: Computational social science, Social inequality, Science of science, Career skills
- Proficient in data processing with Python
- Advanced statistical ability