Haochuan Cui

Network Scientist &Computational Social Scientist

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EDUCATION

- Ph.D. in Systems Science, Beijing Normal Univeristy (2023.07 expected)
- Visiting Student Ph. D in Sociology, The University of Chicago, 2019-2020
- Joint training Ph. D in Sociology, The University of Chicago, 2022-2023
- B.A. in Mathematics, Anhui University, 2016.07

RESEARCH INTERESTS

My current research focuses on the Science of Science, a new interdisciplinary field uses large data sets to study the mechanisms underlying the doing of science—from the choice of a research problem to career trajectories and progress within a field. my work focus on the formation of knowledge boundaries, and the formation of team, as well as how scholars and their behavior affect the Sci&Tech progress.

REPRESENTATIVE RESEARCH PUBLICATIONS

[1] **Cui, H**., Zeng, A., Fan, Y., & Di, Z. (2021). Quantifying the impact of a teamwork publication. *Journal of Informetrics*, 15(4), 101217.

[2] **Cui, H.**, Zeng, A., Fan, Y., & Di, Z. (2020). Identifying the key reference of a scientific publication. *Journal of Systems Science and Systems Engineering*, 29(4), 429-439.

UNDER REVIEW

[1] **Cui, H.**, Yan, L., Wang C.*, Breaking the Boundaries of Knowledge Space: Analyzing the Knowledge Spanning on the Q&A Website through Word Embeddings. (R&R in JAIST)

[2] Wang C. Yan. L, **Cui, H.***, Unpacking the Essential Tension of Knowledge Recombination: Analyzing the Impact of Knowledge Spanning on Citation Counts and Disruptive Innovation (R&R in *Journal of Informetrics*)

WORKING PAPER

[1] **Cui, H.**, Wu, L., & Evans, J. A.* (2022). Aging Scientists and Slowed Advance. arXiv preprint arXiv:2202.04044.

AWARDS, FELLOWSHIP & HONORARIA

✓ Chinese Government Scholarship, Chinese Scholarship Council, 2021

- ✓ Kaifeng-Swarm Research fellowship, Kaifeng Foundation, 2020
- ✓ Top Innovative Talents Scholarship, Beijing Normal University,2019
- ✓ The 1st Prize of Scholarship, Beijing Normal University, 2018
- ✓ The 2nd Prize of Scholarship, Beijing Normal University, 20187
- ✓ Meritorious Winner of Interdisciplinary Contest in Modeling (ICM), COMAP, 2016
- ✓ Baogang Student Scholarship, Baogang Education Foundation (totally 5 students in the university), 2015
- ✓ Meritorious Winner of Interdisciplinary Contest in Modeling (ICM), COMAP, 2015
- ✓ The First Prize of China Undergraduate Mathematical Contest in Modeling, CSIAM,2015
- ✓ The First Prize of Scholarship, Anhui University, 2014
- ✓ Xindi Student Scholarship, Anhui University, 2013 (totally 25 students in the university)
- ✓ The 2nd Prize of national mathematic contest in Shanghai for undergraduate students, 2013

TEACHING ASSISTANT

- Data Analysis by Python, Beijing Normal University. 2022
- Frontier on Complex Network, Beijing Normal University,2021
- Complex Network, Beijing Normal University,2019
- Computational Communication Seminar, Nanjing University. 2019

TALK VISITS

- University of Pittsburg, School of Information Science,2022
- Nanjing University, School of Information Management, 2021
- Annual Conference of Swarm Club, 2019

SERVICE

- Invited Reviewer for Academic Journals
  Journal of Informetrics
  Journal of Knowledge Management

- Conference/Workshop Co-Chair/Organizer
  Session host, Conference on Complex Systems-China, CSSC 2021
  Member of the judging committee for Datathon, Chicago, IC^2S^2 2022,

OTHERS

SKILLS: Python, R, Matlab, SQL, Liunx shell, Pytorch/Deep Learning