

Donghyun Kang

Department of Sociology
University of Chicago
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RESEARCH INTERESTS

Computational Social Science, Science of Science, Social Studies of Sciences, Network Analysis, Natural Language Processing, Social Organizations

EDUCATIONS

- 2017- Ph.D. in Sociology (expected to complete in 2024)
 University of Chicago (Advisor: James A. Evans)
 Certificate in Computational Social Science
- 2014-16 M.A. in Sociology
 Seoul National University (Advisor: Dukjin Chang)
- 2008-14 B.A. in Business Administration (*summa cum laude*)
 Seoul National University

POSITIONS HELD

- 2020-23 Research Assistant
 Knowledge Lab, University of Chicago
- 2016-17 Research Associate
 Social Network Computing Center, the Institute of Social Development and
 Political Research (ISDPR), Seoul National University

JOURNAL ARTICLES

- 2020 **Kang, Donghyun** and James A. Evans. “Against Method: Exploding the
 Boundary between Qualitative and Quantitative Studies of Science.” *Quantitative
 Science Studies* (2020): 930-944.

BOOK CHAPTERS

- Forthcoming **Kang, Donghyun** and James A. Evans. “Scientific networks” In J. McLevey, J.
 Scott and P. Carrington (Eds.) *The SAGE Handbook of Social Network Analysis*
 (2nd Edition).

PAPERS IN PROGRESS

Kang, Donghyun and James A. Evans. “Socio-Epistemic Bubbles Drive Tacit Overconfidence in Randomized Clinical Trials.” R&R at *American Sociological Review*

Kang, Donghyun, Robert Danziger, Jalees Rehman, and James A. Evans. “Limited Diffusion of Scientific Knowledge Forecasts Collapse.” R&R at *Nature Human Behaviour*

Kang, Donghyun, TaeYoung Kang, Jun Kyu Jang. “Papers with Code or without Code? Impact of Repository Usability on the Diffusion of Machine Learning Research.” R&R at *Information Processing and Management*

Wu, Renli, **Donghyun Kang**, Yi Chen, and Chuanfu Chen. “Assessing Academic Impacts of Machine Learning Applications on a Social Science: Bibliometric Evidence from Economics.” R&R at *Journal of Informetrics*

Kang, Donghyun, TaeYoung Kang, “Adaptation in Action: The Rise and Fall of Academic Publications from South Korean High Schoolers, 2001-2021.” *under review*

Shachter, Y. Simon, **Donghyun Kang**, and James A. Evans. “The Inefficiency of Private Support for Public Health: Comparing Nonprofit Biomedical Research Funding with the NIH.” *under review*

Wu, Renli, **Donghyun Kang**, Wenxuan Shi and James A. Evans “Skewed Attention and the Impeded Flow of Ideas across Science.” [In progress]

GRANTS AND FELLOWSHIPS

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| 2022-23 | <i>Graduate Community Fellow</i>
Institute on the Formation of Knowledge (IFK), University of Chicago. |
| 2020 | <i>Impact of strategic funding on research type and content</i> (\$19,566)
Institute for Research on Innovation & Science (IRIS) at University of Michigan
with Brendan Chambers and James A. Evans. |
| 2019 | <i>Networks of partisan influence</i> (\$1,700)
Summer Institute for Computational Social Science (SICSS)
with Subhayan Mukerjee Tomoko Okada, and JungHwan Yang. |

CONFERENCE PRESENTATIONS

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| 2022 | "Social dependencies drive overconfidence in randomized clinical trials."
<i>American Sociological Association Annual Meeting</i> . August 2022. Los Angeles, CA, USA. |
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- 2022 “Bursting epistemological bubbles in biomedicine: predicting knowledge collapse with social and scientific diffusion.” *8th International Conference on Computational Social Science (IC2S2)*. July 2022. Chicago, IL, USA.
- 2016 “Hierarchy and modularity, the two organizing mechanisms of protests in SNS: The case study of rainbow occupy Seoul city hall and smokestack protest of Ssangyong Motor’s dismissed workers.” (Abstract Number 1279) *NetSci*. June 2016. Seoul, South Korea.
- 2013 “Can anti-reform movement be tweeted? A case study of South Korea’s Twitter space on anti-discrimination law during pre-announcement period in 2013.” *8th Annual Conference of Korea Academy of Complexity Studies*. November 2013. Gachon, South Korea.

TEACHING EXPERIENCE

Workshop Coordinator, University of Chicago

- Computation Skills Workshop (Autumn 2021)

Teaching Assistant, University of Chicago

- Computing for Social Sciences (Autumn 2020)

Graduate Teaching Intern, University of Chicago

- Social Science Inquiry I, II, III (Autumn 2019, Winter 2020, Spring 2020)

SKILLS

Python, R, SQL, Shell Scripting

PROFESSIONAL SERVICES

Ad-hoc reviewer for: *American Journal of Sociology*, *Quantitative Science Studies*

Program committee member for *9th International Conference on Computational Social Science (IC2S2)* 2023

Program committee member for *8th International Conference on Computational Social Science (IC2S2)* 2022