

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

EDUCATION

- | | |
|---------|---|
| 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 (<i>summa cum laude</i>)
Seoul National University |

POSITIONS HELD

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| 2020-24 | 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

- | | |
|------|---|
| 2023 | Kang, Donghyun , TaeYoung Kang, and Junkyu Jang. "Papers with Code or without Code? Impact of GitHub Repository Usability on the Diffusion of Machine Learning Research." <i>Information Processing & Management</i> 60, no. 6 (2023): 103477. |
| 2023 | Wu, Renli, Donghyun Kang , Yi Chen, and Chuanfu Chen. "Assessing Academic Impacts of Machine Learning Applications on a Social Science: Bibliometric Evidence from Economics." <i>Journal of Informetrics</i> 17, no. 3 (2023): 101436. |

- 2020 **Kang, Donghyun**, and James A. Evans. "Against Method: Exploding the Boundary between Qualitative and Quantitative Studies of Science." *Quantitative Science Studies* 1, no. 3 (2020): 930-944.

BOOK CHAPTERS

- 2023 **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), 225-242.

PAPERS IN PROGRESS

Kang, Donghyun and James A. Evans. "Socio-Epistemic Bubbles and Tacit Confidence 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*

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*

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

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

PRESENTATIONS

- 2022 "Social Dependencies Drive Overconfidence in Randomized Clinical Trials." 117th
American Sociological Association Annual Meeting. August 2022. Los Angeles, CA, USA.

- 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 SERVICE

Reviewer for: *American Journal of Sociology*, *Quantitative Science Studies*, *Journal of Mathematical Sociology*

Co-Organized with Jeff Lockhart, Chris Esposito, Eamon Duede: “Social Sciences Bootcamp for Natural Scientists”, *Pritzker School of Molecular Engineering*, Chicago, IL, 2023

Program committee member for *International Conference on Computational Social Science (IC2S2)* 2022, 2023, 2024

Program committee member for *Conference on Complex Systems (CCS)* 2024