

LANU KIM

Associate Professor
School of Digital Humanities and Computational Social Sciences at KAIST

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RESEARCH INTERESTS

Computational Social Science; Science of Science; Sociology of Knowledge; Data Science; Big Data; Gender; Inequality; Social Network Analysis; Technology and Society

ACADEMIC POSITIONS

Associate Professor, 2024-, School of Digital Humanities and Computational Social Sciences, KAIST

Joint Professor, 2021-, School of Computing, KAIST

Joint Professor, 2022-, Graduate School of Data Science, KAIST

Affiliated Professor, 2025-, New York University

Assistant Professor, 2021-2024, School of Digital Humanities and Computational Social Sciences, KAIST

Postdoctoral Fellow, 2018–2021, Graduate School of Education, Stanford University

EDUCATION

Ph.D., 2018, Sociology, University of Washington

M.A., 2009, Sociology, Seoul National University

B.A., 2007, Sociology and Economics, Seoul National University

PUBLICATIONS

(Underline indicates a corresponding author.)

- Jeon, June, **Lanu Kim**, Jaehyuk Park. 2025. “The Ethics of Generative AI in Social Science Research: A Qualitative Approach for Community-Based AI Research Ethics.” *Technology in Society* (forthcoming).
- **Kim, Lanu**, Bas Hofstra, and Sebastian Galvez. 2024. “A Persistent Gender Pay Gap Among Faculty in a Public University System.” *Scientific Reports* 14(22212).
- **Kim, Lanu**. 2024. “The Current State and Limitations of Large Language Models-Based Surveys.” *Korean Journal of Sociology* 58(3):221-239. [In Korean]
- **Kim, Lanu**, Sanne Smith, Linus Dahlander, and Daniel A. McFarland. 2024. “Networking a career: Individual adaptation in the network ecology of faculty.” *Social Networks* 77:166-179.
- Jeon, June, Byungjun Kim, Jaehong Kim, and **Lanu Kim**. 2023. “Opening the blackbox of computational social science research process: a case of comparative study of social science academia.” *Korean Journal of Sociology* 57(2):131-157. [In Korean]
- **Kim, Lanu**, Daniel Scott Smith, Bas Hofstra, and Daniel A. McFarland. 2022. “Gendered Knowledge in Fields and Academic Careers.” *Research Policy* 51(1):1-30.

- Risi, Stephan, Mathias W. Nielsen, Emma Kerr, Emer Brady, **Lanu Kim**, Daniel A. McFarland, Dan Jurafsky, James Zou, and Londa Schiebinger. 2022. "Diversifying history: A large-scale analysis of changes in researcher demographics and scholarly agendas." *PloS one* 17(1): e0262027.
- Serafini, Brian, **Lanu Kim**, Basil M. Saour, Ryan James, Blake Hannaford, Ryan Hansen, Tadayoshi Kohno, Wayne Monsky, and Stephen P. Seslar. 2022. "Exploring Telerobotic Cardiac Catheter Ablation in a Rural Community Hospital: A Pilot Study." *Cardiovascular Digital Health Journal* 6(3):313-319.
- Hansen, Ryan N., Basil Matthew Saour, Brian Serafini, Blake Hannaford, **Lanu Kim**, Takayoshi Kohno, Ryan James, Wayne Monsky, and Stephen P. Seslar. 2022. "Opportunities and Barriers to Rural Telerobotic Surgical Health Care in 2021: Report and Research Agenda from a Stakeholder Workshop." *Telemedicine and e-Health* 28(7):1050-1057.
- Yoon, Soo-Yeon, Sojung Lim, and **Lanu Kim**. 2022. "Labour Market Uncertainty and the Economic Foundations of Marriage in South Korea." *Asian Population Studies* 18(1):6-23.
- **Kim, Lanu**. 2021. "Geographical Locations of Occupations and Information and Communication Technology: Do Online Tools Impact Where People in the U.S. Live and Work?" *Sage open* 11(3).
- **Kim, Lanu**, Christopher Adolph, Jevin West, and Katherine Stovel. 2020. "The Influence of Changing Marginals on Measures of Inequality in Scholarly Citations: Evidence of Bias and a Resampling Correction." *Sociological Science* 7:314-341.
- **Kim, Lanu**, Jason Portenoy, Jevin West, and Katherine Stovel. 2020. "Scientific Journals Still Matter in the Era of Academic Search Engines and Preprint Archives." *Journal of the Association for Information Science and Technology* 71(10):1218-1226.
- **Kim, Lanu**, Sue-yeon Song. 2020. "Is Korean Academia Unique?: Comparison of Knowledge Discourses between Korean and International Sociology." *Korean Journal of Sociology* 54(4):1-40. (in Korean)
- Shin, Solee and **Lanu Kim**. 2020. "Chaebol's Turn to Service: Rise of a Korean Service Economy and the Dynamics of Self-Employment and Wage Work." *Journal of Contemporary Asia* 50(3):433-456.
- Shin, Solee and **Lanu Kim**. 2013. "Organizing K-pop: Emergence and Market Making of Large Korean Entertainment Houses, 1980-2010." *East Asia* 30(4):255-272.
- Chang, Dukjin, **Lanu Kim**, and Kiwoong Park. 2012. "The Political Economic Approach on Voting Behaviors in the 17th Korean Assembly Using NOMINATE Analysis." *Korean Journal of Sociology* 46(1):1-23. [In Korean]
- **Kim, Lanu**. 2010. "A Study of Change in Residence Stability through Analyzing Home-Ownership Rates: A Case Study in Seoul, Republic of Korea, 1985-2005." *Seoul Studies* 11(1):43-59. [In Korean]

AWARDS

- Research Innovation Award of the College of Liberal Arts and Convergence Science, KAIST. 2024.
- Best Teaching Award, KAIST. 2023.
- Research Innovation Award of the College of Liberal Arts and Convergence Science, KAIST. 2022.
- Data Science Scholar Fellow, Stanford University, 2020-2021.
- Fulbright Graduate Study Fellowship, 2011-2013.
- Best Paper Award, Korean Sociological Association, 2013, "The Political Economic Approach on Voting Behaviors in the 17th Korean Assembly Using NOMINATE Analysis."

GRANTS

- “Measuring software jobs’ acceptance of generative AI technologies through applying natural language processing techniques to programming language.” 2024. KAIST. PI.
- “Responding to advances in artificial intelligence and the changing meaning of work in the future.” 2024. Korea Information Society Development Institute. PI.
- “AI and the changing labor process.” 2024. Korea Labor Institute. Co-PI.
- “Changing labor and higher education in the era of digital transformation.” 2023. Korea Information Society Development Institute. PI.
- “Diversity and organizational culture in Samsung.” 2023-2025. Samsung DS. Co-PI.
- “Organizational satisfaction survey in KAIST.” 2021-2024. KAIST. PI.
- “Search Engines Impact on How Scientists Cite.” 2019-2020. Metascience Research Grant. Funded by Fetzer Franklin Fund. PI.

TEACHING

Undergraduate-level courses

- Understanding computational social science (400 level); Introduction to sociology (100 level); Science, technology, and society (100 level); Special Topics in Smart Convergence <Smart Mobility Design for Designer, Engineer, and Data Scientist> (400 level, co-teaching)

Graduate-level courses

- Recent trends in computational social science; Statistical analysis of social network data; Introduction to digital humanities and computational social sciences (co-teaching)

SEARVICES

Editorial board member

- American sociological review

Journal reviews

- American sociological review, Social Forces, Research policy, Nature communications, BMJ, and etc.

Conference reviews

- IC2S2, CHI