

JAEMIN LEE
Curriculum Vitae

RM 418, Sino Building
The Chinese University of Hong Kong
Sha Tin, The New Territories
Hong Kong SAR

+852 3943-6616
jaeminlee@cuhk.edu.hk
<https://www.soc.cuhk.edu.hk/profile/lee-jaemin/>

Employment

2020 – present **Assistant Professor**
Department of Sociology
The Chinese University of Hong Kong (CUHK)

2018 – 2020 **Postdoctoral Research Associate**
Network Science Institute & D’Amore-McKim School of Business
Northeastern University

Education

2018 Ph.D. in Sociology, Duke University
Committee: James Moody (Chair), Christopher Bail, Martin Ruef, and Lynn Smith-Lovin

2012 M.A. in Sociology, Yonsei University

2009 B.A. in Sociology, Yonsei University
with *Honors*, minor in Economics

Research Interests

Computational Social Science, Social Networks, Political Sociology, Mathematical Sociology, Management Science

Awards & Distinctions

2025 Exemplary Teaching Award, Faculty of Social Science, CUHK

2019 APSA Political Communication Paul Lazarsfeld Best Paper Award (co-author)

2017 ASA Mathematical Sociology Outstanding Dissertation-in-Progress Award

2012 – 2014 Fulbright Graduate Study Scholarship

2006, 2008 Yonsei University High Honors

Referred Publications

(* = corresponding author; † = student author)

Lee, Jaemin, David Lazer, and Christoph Riedl. In Press. “Complex Contagion in Social Networks: Causal Evidence from a Country-Scale Field Experiment.” *Sociological Science*.

Tan, Qiang† and **Jaemin Lee***. 2025. “A Neural Network and Embedding Association-Based Approach to Nationalism Dictionary Creation.” *2025 IEEE 7th International Conference on Natural Language Processing (ICNLP)*. pp. 282-286. <https://doi.org/10.1109/ICNLP65360.2025.11108444>

Amstutz, Dominic† and **Jaemin Lee***. 2025. “Social Influence in the Public Expression of LGBTQ+ Support: The Case of Rainbow Flags in Residential Neighborhoods of a European City.” *Socius*. 11: <https://doi.org/10.1177/23780231251353022>

Lee, Jaemin* and Yujie Li†. 2025. “Activity Constraints as a Mechanism for Non-Scale-Free Social Networks.” Pp. 305–15 in *Complex Networks & Their Applications XIII*, edited by H. Cherifi, M. Donduran, L. M. Rocha, C. Cherifi, and O. Varol. Cham: Springer Nature Switzerland.
https://doi.org/10.1007/978-3-031-82431-9_25

- Wong, Paulina Pui Yun, **Jaemin Lee**, Wilkinson Daniel Wong Gonzales, Sunny Hee Sun Choi, Haerim Hwang, and Daniel Jiandong Shen. 2024. "New Dimensions: The Impact of the Metaverse and AI Avatars on Social Science Education." Pp. 90–101 in *Blended Learning. Intelligent Computing in Education*. Vol. 14797, *Lecture Notes in Computer Science*, edited by W. W. K. Ma, C. Li, C. W. Fan, L. H. U, and A. Lu. Singapore: Springer Nature Singapore. https://doi.org/10.1007/978-981-97-4442-8_7
- Lee, Jaemin*** and Mudit Kumar Singh. 2024. "Expansion, Cohesion and Diversity: The Network Advantages of Microfinance Groups in Indian Villages." *Journal of International Development*. 36(1):559–586. <https://doi.org/10.1002/jid.3828>
- Singh, Mudit Kumar and **Jaemin Lee**. 2020. "Social Inequality and Access to Social Capital in Microfinance Interventions" *International Journal of Sociology and Social Policy*. 40(7): 575-588. <https://doi.org/10.1108/IJSSP-01-2020-0024>
- Trinh, Sarah L., **Jaemin Lee**, Carolyn T. Halpern, and James Moody. 2019. "Our Buddies, Ourselves: Exploring the Role of Sexual Homophily in Adolescent Friendship Networks." *Child Development*. 90(1): e132-e147. <https://doi.org/10.1111/cdev.13052>
- Bail, Christopher, Lisa Argyle, Taylor Brown, John Bumpuss, Haohan Chen, M.B. Fallin Hunzaker, **Jaemin Lee**, Marcus Mann, Friedolin Merhout, and Alexander Volfovsky. 2018. "Exposure to Opposing Views on Social Media Can Increase Political Polarization." *Proceedings of the National Academy of Sciences*. 155(37): 9216-9221. <https://doi.org/10.1073/pnas.1804840115>
- Lee, Jaemin** and Jeong-han Kang*. 2011. "Mapping Knowledge Domains: The Structure of Knowledge Production and the Status of Theory in Korean Sociology 2004-2010." (In Korean) *Society and Theory*. 19(1): 89-144. <http://www.dbpia.co.kr/Journal/articleDetail?nodeId=NODE02248730>

Preprint

- Lee, Jaemin**. "Social Consolidation, Spatial Clustering, and Opinion Polarization." SocArXiv. <https://osf.io/8esa2/download>
- Lee, Jaemin**, David Lazer, and Christoph Riedl. 2022. "Complex Contagion in Viral Marketing: Causal Evidence and Embeddedness Effects from a Country-Scale Field Experiment." SSRN Working paper. <https://dx.doi.org/10.2139/ssrn.4092057>

Research Grants

External

- PI. **Hong Kong Research Grants Council – General Research Fund**. HK\$1,055,280.
01/01/2025 – 31/12/2028. "Nationalist Polarization? A Connectionist Approach to Mapping Cultural Schemas of Nationalism in South Korea." (RGC14618924)
- PI. **Hong Kong Research Grants Council – Early Career Scheme**. HK\$956,400.
01/09/2022 – 31/08/2025. "Can Exposure to Bipartisan Views of the Opposing Party Reduce Partisan Animus among Social Media Users?" (RGC24612422)
- Co-I. **Hong Kong Research Grants Council – General Research Fund**. HK\$ 926,600.
01/01/2026 – 31/12/2028. "Investigating Care Networks for Chinese Older Adults with Dementia: Enhancing Care Capacity Beyond Dyadic Relationships" (RGC12603225)
PI: Prof. Jiajia Zhou, Department of Social Work, Hong Kong Baptist University.

Internal

- PI. **Direct Grants, Research Committee of CUHK**. HK\$46,390.
01/06/2024 – 31/12/2025. "A Machine Learning Approach to Measuring Preferential Attachment and Status Advantage in a Hip-hop Music Collaboration Network." (4052346)

- PI. Teaching Development and Language Enhancement Grant (TDLEG).** HK\$442,875.
01/01/2023 – 01/10/2024. “CUHK CT-CITY – A New Metaverse Space for Computational Thinking.” (4171024)
- PI. Direct Grants, Research Committee of CUHK.** HK\$36,000.
01/06/2021 – 05/31/2023. “Geographic Polarization and Its Social Constraints and Relational Consequences in the United States” (178754025).
- PI. CUHK New Faculties Funding Scheme.** HK\$644,400.
09/07/2020 – 15/06/2023. “Computational Approaches to Social Networks and Group Dynamics” (172330410)

Selected Presentations

- Lee, Jaemin and Yujie Li. “Activity Constraints as a Mechanism for Non-scale-free Social Networks.”
• COMPLEX NETWORKS 2024, Istanbul, Türkiye, 12/12/2024
- Lee, Jaemin and Yujie Li. “A Machine Learning Approach to Preferential Attachment and Status Advantage in a Hip-Hop Collaboration Network.”
• Invited Presentation, AI and Data for Social Good, Yonsei University, 28/5/2024
• INSNA Sunbelt Social Networks Conference, Edinburgh, UK. 26/6/2024.
- Lee, Jaemin and Yanrong Du. “Common Ground or Battle Ground? Detecting Bipartisanship in User Stance and Topic Dimensions Among U.S. Political Opinion Leaders on Twitter.”
• MPSA Annual Conference, 4/4/2024
• HKSA Annual Conference, 5/11/2023
- Lee, Jaemin. “Computationally Revealing Network Effects: Applications to Product Diffusion and Political Polarization”
• Invited Presentation, Webinar of Computational Social Science Laboratory@CUHK, 7/4/2021
- Lee, Jaemin, David Lazer, and Christoph Riedl. "Complex Contagion in Viral Marketing: Causal Evidence and Embeddedness Effects from a Country-Scale Field Experiment."
• ASA Annual Meeting, Los Angeles, CA. 6/8/2022.
• NETWORKS 2021. Online. 10/7/2022.
- Lee, Jaemin. "A Consolidation Model of Political Polarization."
• ASA Annual Meeting, New York, NY. 8/10/2019
• Preconference on Politics and Computational Social Science, Northeastern University. 8/29/2018.
• DNAC Seminar Series (Invited), Duke University. 4/2/2018.
- Lee, Jaemin, Jonathan H. Morgan, and James Moody. "Race or Status? The Implications of Crowd Structures on Within- and Between-Race Social Relationships."
• INSNA Sunbelt Social Networks Conference, Montreal, Canada. 6/20/2019.
- Lee, Jaemin, Sarah L. Trinh, Carolyn T. Halpern, and James Moody. "Influence and Selection in Adolescent Sexual Experiences: Modeling Differential Homophily By Same- and Cross-Gender Friendships."
• INSNA Sunbelt Social Networks Conference, Newport Beach, USA. 4/8/2016.

Teaching

Courses

- Quantitative Analysis of Sociological Data (SOC333), Duke
- Social Networks and Social Capital (SOCI3102), CUHK
- Quantitative Data Analysis (SOCI3229), CUHK
- Digital Sociology (SOCI3238), CUHK
- Youth Problem in Modern Society (UGEC2703), CUHK

- Graduation Thesis (SOCI4010,4020), CUHK

Workshops

- Social Networks and Health Workshop by DNAC (lab instructor, 2016, 2018)
- 3-day intro workshops on computational social science, CUHK (instructor, 2020)
- The Summer Institutes of Computational Social Science at Hong Kong (co-organizer, 2021, 2022)

Professional Services

2024-2025	<i>Member</i> , Outstanding Graduate Student Paper Award Committee, Mathematical Sociology Section, American Sociological Association
2020-2023	<i>Member</i> , Outstanding Dissertation-in-Progress Award Committee, Mathematical Sociology Section, American Sociological Association
2021	<i>Chair</i> , Computational Social Science Session of the <i>Networks 2021</i> Conference, International Network for Social Network Analysis (INSNA)
2023	<i>Convenor</i> , Organizing Committee, The 2023 Joint Workshop on Computational Social Science at CUHK

University Services

2025-	<i>Associate Director</i> (Methods Cluster), Centre for Population Research, CUHK
2023-2025	<i>Elected Member</i> , Faculty Board of Social Science, CUHK
2021-	<i>Co-theme leader</i> , Computational Social Science Laboratory, CUHK
2021-	<i>Member</i> , Admissions Committee, Department of Sociology, CUHK
	<i>Member</i> , Scholarships & Awards Committee, Department of Sociology, CUHK
	Academic Advisor Level I (Undergraduates), Department of Sociology, CUHK
2020-	<i>Member</i> , Research Committee - Department of Sociology, CUHK

Mentorship

PhD Students (chaired or cochaired)

Yujie Li, Department of Sociology, CUHK
 Xiaoqian Yue, Department of Sociology, CUHK
 Qiang Tan, CSSPFS Fellow, Department of Sociology, CUHK
 Dominic Amstutz, HKPFS Fellow, Department of Sociology, CUHK
 Xinyue Hu, CSSPFS Fellow, Department of Sociology, CUHK
 René Rosado González, HKPFS Fellow, Department of Sociology, CUHK

MPhil Students (chaired)

Chun Fung Anthony Cheung, Department of Sociology, CUHK

Postgraduate Degree Committee Member

Francisco Olivos, PhD, Department of Sociology, CUHK
 Wenyu Li, PhD, Department of Geography and Resource Management, CUHK
 Raphael Duerr, PhD, Department of Sociology, CUHK
 Siman Cai, PhD, Department of Sociology, CUHK
 Nanjun Yao, MPhil, Computer and Information Engineering, CUHK-Shenzhen
 Siwei Chin, MSc, School of Cultural Technology, KAIST

2nd Reader of PhD Qualifying Exam

Yaxin Lan, Department of Sociology, CUHK
 Ji Cao, Department of Sociology, CUHK

Kelemu Fenta Gebeyehu, Department of Sociology, CUHK

Reviewer

American Journal of Sociology, Sociological Methods and Research, Social Science Research, Mass Communication and Society, PLoS ONE, Journal of Mathematical Sociology, Network Science, Journal of Adolescent Health, Mobilization: an International Quarterly, Journal of Social Structure, The Social Science Journal, Journal of International Development