

BYUNGKYU LEE

Curriculum Vitae

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Department of Sociology
Indiana University
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ACADEMIC POSITIONS

2019– Asisstant Professor of Sociology, Indiana University.
2018–19 Visiting Assistant Professor, Network Science Institute, Indiana University.

EDUCATION

2014–18 Ph.D., Sociology, Columbia University (WITH BEST DISSERTATION AWARD)
2012–14 M.A., Sociology, Columbia University
2009–12 M.A., Sociology, Yonsei University (WITH GRADUATE THESIS AWARD)
2002–09 B.A., Business Administration, Yonsei University

FIELDS OF INTEREST

Social Networks, Culture, Political Sociology, Health, Social Genomics, Agent-Based Modeling, Computational Social Science, Causal Inference.

PUBLICATIONS

Journal Articles (Peer-reviewed)

- 2020 Lee, Byungkyu. “Close Relationships in Close Elections.” *Social Forces*, Forthcoming.
- 2020 Pescosolido, Bernice, Byungkyu Lee, and Karen Kafadar. “Socio-demographic Similarity at the Contextual Level Alters Individual Risk for Completed Suicide.” *Proceedings of the National Academy of Sciences*, Forthcoming.
- 2020 Lee, Dohoon and Byungkyu Lee. “The Role of Multilayered Peer Groups in Adolescent Depression: A Distributional Approach.” *American Journal of Sociology* 125(6): 1513-1558.

- 2020 Lee, Byungkyu and Peter Bearman. "Political Isolation in America." *Network Science* Forthcoming.
- 2017 Lee, Byungkyu and Peter Bearman. "Important Matters in Political Context." *Sociological Science* 4:1-30.
- 2016 Lee, Byungkyu and Dalton Conley. "Does the Gender of Offspring Affect Parental Political Orientation?" *Social Forces* 94(3):1103-1127. (NBER Working Paper No.20384)
- Lee, Byungkyu and Dalton Conley. "Robust Null Findings on Offspring Sex and Political Orientation." *Social Forces* 95(2):899-908.
- This article was featured in *The Washington Post* and *The Atlantic*.
- 2016 Youm, Yoosik and Byungkyu Lee. "A Network Approach to Economic Models of Fertility." *Rationality and Society* 28(4):386-409.
- 2011 Lee, Byungkyu and Yoosik Youm. "Social Network Effects on Post-Traumatic Stress Disorder (PTSD) in Female North Korean Immigrants." *Journal of Preventive Medicine and Public Health* 44(5):191-198.

WORKS IN PROGRESS

Under Review

- Lee, Byungkyu. "The Contextual Activation in Belief Networks." *American Journal of Sociology*, Revise and Resubmit.
- Gupta, Sumedha, Coady Wing, Thuy D. Nguyen, Ana Bento, Felipe Lozano Rojas, Byungkyu Lee, Shyam Raman, and Kosali I. Simon. "Tracking Public and Private Response to the COVID-19 Epidemic: Evidence from State and Local Government Actions." (NBER Working Paper No.27027) *American Journal of Health Economics*, Revise and Resubmit.
- Lee, Byungkyu, Wanying Zhao, Kai-Cheng Yang, Yong-Yeol Ahn, and Brea L. Perry. "Unintended Consequences of State Policy Interventions in the US Opioid Crisis." Under Review.
- Youm, Yoosik, Byungkyu Lee and Junsol Kim. "A measure of centrality in cyclic diffusion processes: walk-betweenness." Under Review.
- Perry, Brea, Meltem Odabaş, Kai-Cheng Yang, Byungkyu Lee, Patrick Kaminski, Brian Aronson, Yong-Yeol Ahn. "New means, new measures: Assessing prescription drug seeking indicators over ten years of the opioid epidemic." Under Review.

Working Papers (available upon request)

Lee, Byungkyu, Patrick Kaminski, Meltem Odabas, Yong-Yeol Ahn, Patricia Freeman, and Brea L. Perry, "Racial Disparities in Pain Management and Opioid Use Disorder Treatment in the Commercially Insured Population, 2007-2018."

Lee, Byungkyu, Eun Kyong Shin, and Peter Bearman. "The Structure of Terrorist Networks."

Lee, Byungkyu, Ramina Sotoudeh, and Dalton Conley. "Twin Trouble: Nature and Nurture in Adolescent Friendship Networks."

Nguyen, Thuy and Byungkyu Lee. "Today's Lesson is Tomorrow's Practice: The Early Exposure to State Restrictive Marketing Policies in Medical School Discourages Physicians from Receiving Pharmaceutical Payments."

PUBLICATIONS IN KOREAN

Journal Articles (Peer-reviewed)

Lee, Byungkyu and Yoosik Youm. 2012. "A Study on the Increase and Decrease of Occupying Bridging Position Based on the Sponsorship Network in the 17th Korean National Assembly." *Korean Journal of Sociology* 46(4):137-175.

Cho, Jinman, Jeonghan Kang, and Byungkyu Lee. 2012. "Effects of Family Structure and Friendship Network on Korean Adolescents' Life Satisfaction." *Social Science Review* 43(1): 47-71.

EXCELLENCE PAPER AWARD, *The 2nd National Conference for Sociology Graduate Students*, Korean Sociological Association

Jeon, Kiho, Byungkyu Lee, and Hun-joon Park. 2010. "Effects of Network Centrality on Cooperative Behavior: Mediating Role of Organizational Identification." *Korean Journal of Industrial and Organizational Psychology* 23(4): 635-666.

Lee, Byungkyu and Yoosik Youm. 2009. "Identifying the Structure of Co-signing Networks among the 17th Korean Congressmen in the Standing Committee of Health and Welfare." *Journal of Contemporary Society and Culture* 29: 33-59.

SELECTED PRESENTATIONS

Conference Presentations (ASA: American Sociological Association, PAA: Population Association of America, INSNA: International Network of Analytical Sociologists, INAS: International Network of Analytical Sociologists)

Lee, Byungkyu. “The Rise of Political Homophily in the Battleground States.” • ASA 2019 • Summer Conference on Economy and Society, 2017.

Makovi, Kinga and Byungkyu Lee. “The Diffusion of Microfinance Revisited: The Role of Modularity and Tie Multiplexity in Diffusion Processes on Networks.” • INAS 2018 • INSNA 2018

Lee, Dohoon and Byungkyu Lee. “The Tale Is in the Tail: The Role of Highly Depressed Peers in Adolescent Depression.” • INSNA 2018

Lee, Byungkyu and Dalton Conley. “Twin Trouble: Fragility of Heritability Estimates for Adolescent Friendship Networks.” • ASA 2017 • PAA 2017 • Integrating Genetics and Social Science conference, 2013

Lee, Byungkyu and Peter Bearman. “Important Matters in Political Context: The Role of Priming in Suppressing the Core Discussion Network Size.” • INAS 2016

Lee, Byungkyu, Eun Kyong Shin, and Peter Bearman. “Risk on the Margin: The Structure of Covert Social Network.” • INSNA 2016 • INAS 2015

Invited Talks

Lee, Byungkyu. “Making big data smaller: two strategies to analyze big data to study the opioid epidemic in the US.” • Workshop in Methods, Indiana University, IN, 2020.

Lee, Byungkyu. “When and How Politics Shapes our Core Beliefs and Networks (and why it matters)” • Social Research and Public Policy Seminar Series, New York University, Abu Dhabi, UAE, 2017.

GRANTS, AWARDS AND FELLOWSHIPS

2020–21 PRINCIPAL INVESTIGATOR, “Political polarization, political deliberation, and hate speech on Facebook”, Office of the Vice Provost for Research, Indiana University Social Sciences Research Funding Program.

2019 ROBERT K. MERTON BEST DISSERTATION AWARD, Department of Sociology, Columbia University

2016 PRINCIPAL INVESTIGATOR, “Networks in Time: Testing Contextual Effects in the 2004

- General Social Survey Network Items”, Time Sharing Experiment For the Social Sciences
- 2015 NETWORK MODELING FOR EPIDEMICS FELLOWSHIP, University of Washington
- 2015 GENOECONOMICS SCHOLARSHIP, Tinbergen Institute, Netherlands
- 2012–17 PAUL F. LAZARFELD FELLOWSHIP, Department of Sociology, Columbia University
- 2012 GRADUATE THESIS AWARD, Yonsei University
- 2011 GRADUATE STUDENT PAPER AWARD, *The 2nd National Conference for Sociology Graduate Students*, Korean Sociological Association

TEACHING (†: graduate-level course)

Instructor, Indiana University

- 2020 Understanding Social Data, Social Network Analysis†
- 2019 Understanding Social Data, Causal Inference†

Teaching Assistant, Columbia University

- 2015 Social Networks (Assistant to Peter Bearman)
- 2013 Quantitative Analytic Techniques 1† (Assistant to Gregory Eirich)

Teaching Assistant, Yonsei University

- 2009–12 Statistical Research Method 1 and 2†, Social Statistics, Sociological Processes of Health and Disease, Introduction to Sociology, Social Research Practice (Assistant to Yoosik Youm)

SERVICE AND OTHER PROFESSIONAL ACTIVITIES

- 2018– RESEARCH AFFILIATE. *INCITE*, Columbia University.
- 2014–18 GRADUATE FELLOW. *INCITE*, Columbia University.
- 2014–18 GRADUATE FELLOW. *Center on Organizational Innovation*, Columbia University.
- 2014–18 CO-ORGANIZER. Networks and Time Seminar Series, *INCITE*, Columbia University. 2015–16 FACULTY ADVISOR. China High School Fellowship Program, *INCITE*, Columbia University.
- 2016 MODERATOR. Sociology Senior Thesis Presentations, Columbia University.
- 2009– MEMBER. American Sociological Association.
- 2016– MEMBER. International Network for Social Network Analysis.
- 2018–20 TREASURER. Association of Korean Sociologists in America.

AD HOC REVIEWER. *American Journal of Sociology*, *American Sociological Review*, *Network Science*, *Proceedings of the National Academy of Sciences*, *Scientific Reports*,

Sex Roles, Social Forces, Social Psychology Quarterly, Sociological Perspectives, Social Science Research, Socius.