

# BYUNGKYU LEE

*Curriculum Vitae*

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Department of Sociology  
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## ACADEMIC POSITIONS

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

## EDUCATION

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2014–18 Ph.D., Sociology, Columbia University  
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

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

## PUBLICATIONS

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### Journal Articles (Peer-reviewed)

- 2017 Lee, Byungkyu and Peter Bearman. “Important Matters in Political Context.” *Sociological Science* 4:1-30.
- 2016 Lee, Byungkyu and Dalton Conley. “Robust Null Findings on Offspring Sex and Political Orientation.” *Social Forces* 95(2):899-908.
- 2016 Youm, Yoosik and Byungkyu Lee. “A Network Approach to Economic Models of Fertility.” *Rationality and Society* 28(4):386-409.
- 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.)

This article was featured in *The Washington Post* and *The Atlantic*.

- 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

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### Under Review

Lee, Byungkyu and Peter Bearman. "Political Isolation in America." *Network Science*, Under Review.

### Working Papers (available upon request)

Lee, Byungkyu. "The Rise of Political Homophily in the Battleground States."

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

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

Lee, Byungkyu and Peter Bearman. "The Protective Effects of Social Capital on Mortality Risk (not)."

Lee, Dohoon and Byungkyu Lee. "The Tale Is in the Tail: The Role of Highly Depressed Peers in Adolescent Depression."

Youm, Yoosik and Byungkyu Lee. "The Proposed Walk-betweenness Measure and Its Application to the Syphilis Transmission in Chicago."

### Data Analysis Stage

"Incarceration and Race Disparities in Sexually Transmitted Diseases: An Agent-Based Modeling Approach."  
(with Kate Strully and Peter Bearman)

"The Diffusion of Microfinance Revisited." (with Kinga Makovi)

## PUBLICATIONS IN KOREAN

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### Journal Articles (Peer-reviewed)

2012 Lee, Byungkyu and Yoosik Youm. "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.

2012 Cho, Jinman, Jeonghan Kang, and Byungkyu Lee. "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

- 2010 Jeon, Kiho, Byungkyu Lee, and Hun-joon Park. "Effects of Network Centrality on Cooperative Behavior: Mediating Role of Organizational Identification." *Korean Journal of Industrial and Organizational Psychology* 23(4): 635-666.
- 2009 Lee, Byungkyu and Yoosik Youm. "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

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- Makovi, Kinga and Byungkyu Lee. "The Diffusion of Microfinance Revisited: The Role of Modularity and Tie Multiplexity in Diffusion Processes on Networks." • Annual Meeting of the International Network of Analytical Sociologists, 2018, Palo Alto, CA. • Sunbelt Conference of the International Network for Social Network Analysis, 2018, Utrecht, Netherlands.
- Lee, Dohoon and Byungkyu Lee. "The Tale Is in the Tail: The Role of Highly Depressed Peers in Adolescent Depression." • Sunbelt Conference of the International Network for Social Network Analysis, 2018, Utrecht, Netherlands.
- 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.
- Lee, Byungkyu. "The Rise of Political Segregation in the Battleground States." • Summer Conference on Economy and Society, Ringberg, Germany, 2017.
- Lee, Byungkyu and Dalton Conley. "Twin Trouble: Fragility of Heritability Estimates for Adolescent Friendship Networks." • American Sociological Association Annual Meeting, Regular Session on Social Networks, 2017, Montreal, Canada. • Population Association of America Annual Meeting, 2017, Chicago, IL. • Integrating Genetics and Social Science Conference, 2013, Boulder, CO.
- Lee, Byungkyu and Peter Bearman. "Important Matters in Political Context: The Role of Priming in Suppressing the Core Discussion Network Size" • Annual Meeting of the International Network of Analytical Sociologists, 2016, Utrecht, Netherlands.
- Lee, Byungkyu, Eun Kyong Shin, and Peter Bearman. "Risk on the Margin: The Structure of Covert Social Network." • Sunbelt Conference of the International Network for Social Network Analysis, 2016, Newport Beach, CA. • Annual Meeting of the International Network of Analytical Sociologists, 2015, Boston, MA. • Yonsei-Global Advisory Program Symposium, 2017, New York, NY.

#### GRANTS, AWARDS AND FELLOWSHIPS

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- 2016 CO-INVESTIGATOR (with Peter Bearman). "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. LAZARSFELD FELLOWSHIP, 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 EXPERIENCE

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### Columbia University

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

### 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

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- 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.

AD HOC REVIEWER. *American Sociological Review*, *Network Science*, *Scientific Reports*, *Sex Roles*,  
*Social Forces*, *Social Psychology Quarterly*, *Sociological Perspectives*.