Junsol Kim

Curriculum Vitae
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Department of Sociology
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Education

2021–	**Ph.D. in Sociology**, University of Chicago (Advisor: James Evans)
2019–2021	**M.A. in Sociology**, Yonsei University
2013–2019	**B.S. in Computer Science & B.A. in Sociology**, Yonsei University

Research Interests

Computational Social Science, Natural Language Processing, Social Neuroscience, Health, Political Sociology

Selected Publications (*equal contribution)

Peer-Reviewed Articles

Ryan Hyon, Yoosik Youm, Junsol Kim, Jeanyoung Chey, Seyul Kwak and Carolyn Parkinson. (2020). "Similarity in Functional Brain Connectivity at Rest Predicts Interpersonal Closeness in the Social Network of an Entire Village." *Proceedings of the National Academy of Sciences (PNAS), 117*(52), 33149-33160. [paper] [data] [code]

Yoosik Youm*, Junsol Kim*, Seyul Kwak and Jeanyung Chey. (2021). "Neural and Social Correlates of Attitudinal Brokerage: Using the Complete Social Networks of Two Entire Villages." *Proceedings of the Royal Society B: Biological Sciences, 288*(1944), 20202866. [paper] [data] [code]

Yoosik Youm, Byungkyu Lee, Junsol Kim. (2021). "A Measure of Centrality in Cyclic Diffusion Processes: Walk-Betweenness." *PLoS ONE, 16*(1), e0245476. [paper] [data] [code]

Bang, M., Kim, J., An, S. K., Youm, Y., Chey, J., Kim, H. C., ... & Lee, E. (2019). "Associations of Systemic Inflammation with Frontotemporal Functional Network Connectivity and Out-Degree Social-Network Size in Community-Dwelling Older Adults." *Brain, Behavior, and Immunity*, *79*, 309-313. [paper]

Works in Progress

Junsol Kim, Byungkyu Lee. (2023). "AI-Augmented Surveys: Leveraging Large Language Models for Opinion Prediction in Nationally Representative Surveys." [paper] [demo]

Junsol Kim**,** Haohan Shi, Hsin-keng Ling, Zhao Wang, James Evans. (2023). "Informal Misinformation Flagging Reinforces Ideological Echo Chambers."

Junsol Kim**,** Hsin-keng Ling, Haohan Shi, Zhao Wang, James Evans. (2023). "The Diffusion of Fake News in Policy."

Selected Presentations (*speaker)

Oral Presentations

Junsol Kim*, Byungkyu Lee. "AI-Augmented Surveys: Leveraging Large Language Models for Opinion Prediction in Nationally Representative Surveys." • *American Sociological Association (ASA) Annual Meeting 2023* • *International Conference on Computational Social Science (IC2S2) 2023*

Junsol Kim**,** Haohan Shi, Hsin-keng Ling, Zhao Wang, James Evans. (2023). "Informal Misinformation Flagging Reinforces Ideological Echo Chambers." • *2023 Plurality Research Network Conference*

Junsol Kim**,** Hsin-keng Ling, Haohan Shi, Zhao Wang, James Evans. (2023). "The Diffusion of Fake News in Policy." • *International Conference on the Science of Science and Innovation (ICSSI) 2023*

Awards and Grants

2023	Wing C. Chan and Angelina H. Li Pre-Dissertation Fund, University of Chicago.
2023	Departmental Travel Award, University of Chicago.
2021–2027	Social Science Fellowship, University of Chicago.
2019–2020	National Brain Korea Fellowship, Korea Ministry of Education.
2019	Melon Playlist Continuation Challenge Award (Top 2 among 786), Kakao Corp.
2019	Big Data Analysis Challenge Award (Top 1), Yonsei University.
2019	Interdisciplinary Research Grant, Yonsei University.
2018	Best Undergraduate Project in Computer Science (Top 1), Yonsei University.
2017	Poster Award (Top 1 in Women's Health Section), Annual Autumn Conference of Korean Society for Preventive Medicine.
2017	Policy Paper Award (Top 2), Korea Ministry of Health and Welfare.

Research Assistantship

2021–	Knowledge Lab, University of Chicago
2016–2021	Social Networks & Neuroscience Lab, Yonsei University
2016–2021	Korean Social Life, Health, and Aging Project, Yonsei University

Teaching Assistantship

Spring 2023	Applications of Hierarchical Linear Models, University of Chicago (Instructor: Stephen Raudenbush)
Winter 2023	Statistical Methods of Research, University of Chicago (Instructor: Stephen Raudenbush)
Fall 2021	Computational Text Analysis, University of Chicago (Instructor: James Evans)
Fall 2020	Network Theories and Analyses, Yonsei University (Instructor: Yoosik Youm)
Fall 2020	Governance and Social Network, Yonsei University (Instructor: Yoosik Youm)

Other Publications

Peer-reviewed Articles

Kyungmee Park, Daol Cho, Eun Lee, Junsol Kim, Jee-Seon Shim, Yoosik Youm, Suk Kyoon An, Kee Namgung, Hyeon Chang Kim. (2020). "Sex Differences in the Association between Social Relationships and Insomnia Symptoms." *Journal of Clinical Sleep Medicine*, *16*(11), 1871-1881. [paper]

Sungjong Park, Kyungmee Park, Jee-Seon Shim, Yoosik Youm, Junsol Kim, Eun Lee, Hyeon Chang Kim. (2020). "Psychosocial Factors Affecting Sleep Misperception in Middle-aged Community-dwelling Adults." *PLoS ONE, 15(10)*, e0241237. [paper]

Hairin Kim, Seyul Kwak, Junsol Kim, Yoosik Youm, Jeanyung Chey. (2019). "Social Network Position Moderates the Relationship between Late-Life Depressive Symptoms and Memory Differently in Men and Women." *Scientific Reports,* 9, 6142. [paper]

Junsol Kim, Yoosik Youm, Ji Hyung Yoo. (2017). "Predicting the Growth of Official Facebook Pages of Korean News-Media: Based on a Network Analysis Using the Population Ecology Model" *New Physics: Sae Mulli*, *67*(5), 588-594. [paper (Korean)]

Other Presentations (*speaker)

Oral Presentations

Junsol Kim*, Seohee Lee, Yewon Yoo, Hyeon Chang Kim, Yong-Chan Kim, Yoosik Youm. "A Longitudinal Association between Marital Disagreement on Gender Roles and Inflammation Markers among Older Korean Adults." • *American Sociological Association (ASA) Annual Meeting 2020* • *International Network for Social Network Analysis (INSNA) Sunbelt Conference 2020*

Posters and Roundtables

Junsol Kim*, Dohoon Lee. "The Effects of Family Dinners on Adolescent Wellbeing in an Overworked Society: A Causal Assessment." • *American Sociological Association (ASA) Annual Meeting 2020* • *Population Association of America (PAA) Annual Meeting 2020*

Skills

Programming	**Python**: Huggingface, Deep Learning (Pytorch/Tensorflow), Social Network Analysis, Recommender Algorithm **MATLAB**: Neuroimaging Analysis (SPM) **Stata** and **R**: Causal Inference (Matching, Difference-in-Differences, Instrumental Variable, Fixed-Effects Model)
Language	Korean, English

Work Experience

2021   Machine Learning Engineer (Full-Time), Kakao Corp, South Korea.

Reference

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