

## Won-tak Joo

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### ACADEMIC POSITIONS

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| 2023- | Assistant Professor, Sociology and Criminology & Law, University of Florida<br>Co-director, Computational Social Science Lab, University of Florida |
| 2022  | Postdoctoral Fellow, Demography, University of California, Berkeley   |

### EDUCATION

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| 2021 | Ph.D., Sociology, University of Wisconsin–Madison                            |
| 2016 | M.A., Sociology, Yonsei University   |
| 2013 | B.C., Communication, Yonsei University<br>B.A., Sociology, Yonsei University |

### AREAS OF INTEREST

Social Demography; Social Networks; Computational Sociology

### PUBLICATIONS

#### Articles in Peer-Reviewed Journals

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| 2023 | <b>Joo, Won-tak.</b> " <a href="#">The Educational Gradient in Social Network Changes at Disease Diagnosis.</a> " <i>Social Science &amp; Medicine</i> 317: 115626.   |
| 2022 | Engelman, Michal, <b>Won-tak Joo</b> , Jason Fletcher, and Barry Burden. " <a href="#">Health, Wealth, and Voting Trajectories in Later Life.</a> " <i>The Journals of Gerontology: Series B</i> 77(4):827-837.   |
| 2020 | <b>Joo, Won-tak</b> and Jason Fletcher. " <a href="#">Out of Sync, Out of Society: Political Beliefs and Social Networks.</a> " <i>Network Science</i> 8(3):445-468.  |
| 2018 | <b>Joo, Won-tak</b> , Chan Joo Lee, Jaewon Oh, In-cheol Kim, Sang-hak Lee, Seok-min Kang, Hyeon Chang Kim, Sungha Park, and Yoosik Youm. " <a href="#">The Association between Social Network Betweenness and Coronary Calcification: A Baseline Study on Patients with a High Risk of Cardiovascular Disease.</a> " <i>Journal of Atherosclerosis and Thrombosis</i> 25(2):131-141.                |
|      | Kwak, Seyul, <b>Won-tak Joo</b> , Yoosik Youm, and Jeanyung Chey. " <a href="#">Social Brain Volume is Associated with In-degree Social Network Size among Older Adults.</a> " <i>Proceedings of the Royal Society B</i> 285:20172708.  |
| 2017 | Kim, Woo Jung, <b>Won-tak Joo</b> , Jiwon Baek, Sung Yun Sohn, Kee Namkoong, Yoosik Youm, Hyeon Chang Kim, Yeong-Ran Park, Sang Hui Chu, and Eun Lee. " <a href="#">Factors Associated with Insomnia among the Elderly in a Korean Rural Community.</a> " <i>Psychiatry Investigation</i> 14(4):400-406.  |
|      | <b>Joo, Won-tak</b> , Seyul Kwak, Yoosik Youm, and Jeanyung Chey. " <a href="#">Brain Functional Connectivity Difference in a Complete Network of an Entire Village: The Role of Social Network Size and Embeddedness.</a> " <i>Scientific Reports</i> 7:4465.  |
|      | Sohn, Sung Yun, <b>Won-tak Joo</b> , Woo Jung Kim, Se Joo Kim, Yoosik Youm, Hyeon Chang Kim, Yeong-Ran Park, and Eun Lee. " <a href="#">Social Network Types among Older Korean Adults: Associations with Subjective Health.</a> " <i>Social Science &amp; Medicine</i> 173:88-95.  |
| 2014 | Youm, Yoosik, Edward O. Laumann, Kenneth F. Ferraro, Linda J. Waite, Hyeon Chang Kim, Yeong-Ran Park, Sang Hui Chu, <b>Won-tak Joo</b> , and Jin A Lee. " <a href="#">Social Network Properties and Self-Rated Health in Later Life: Comparisons from the Korean Social Life, Health, and Aging Project and the National Social Life, Health and Aging Project.</a> " <i>BMC Geriatrics</i> 14:102. |
|      | Youm, Yoosik and <b>Won-tak Joo</b> . "The Role of Social Networks in the Etiology and Prognosis of Coronary Heart Diseases: A Meta-analysis of 44 Most Recent Prospective Studies." <i>Korean Journal of Social Issues</i> 1(25):163-207.  |

#### Non-refereed Publication

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| 2023 | <b>Joo, Won-tak.</b> " <a href="#">Why and How Should We Understand the Aging of Political Party Affiliation?</a> " <i>Generations Today</i> . |
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## UNDER REVIEW

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Jason Fletcher, Topping, Michael, and **Won-tak Joo**. “Trends in the Female Longevity Advantage of 19th-Century Birth Cohorts: Exploring the Role of Place and Fertility.”

**Joo, Won-tak**, Felix Elwert, and Martin Munk. “Labor Market Consequences of Grandparenthood.”

## WORKING PAPERS

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**Joo, Won-tak**, Michal Engelman, Alberto Palloni, and Jason Fletcher. “Longevity and In Utero Exposure to the Influenza Pandemics in the 19th century.”

**Joo, Won-tak**. “Household Social Networks and Mental Health during COVID-19.”

**Joo, Won-tak**. “Educational Differences in Social Contact during COVID-19.”

**Joo, Won-tak**. “Who Takes the Role of Close Kin in Social Networks of Kinless Older Adults?”

**Joo, Won-tak**, Michal Engelman, and Jason Fletcher. “Changes in Social Networks after Retirement.”

**Joo, Won-tak**. “Compulsory Schooling Reforms and Social Connectedness in Later Life.”

**Joo, Won-tak** and Jason Fletcher. “The Rise and Fall of Patrilineage in Korea 1400-1940.”

## CONFERENCE PRESENTATIONS

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2023 **Joo, Won-tak**, “Who Takes the Role of Close Kin in Social Networks of Kinless Older Adults?” Networks and Aging. Sunbelt, Portland, OR.

**Joo, Won-tak**, Michal Engelman, Alberto Palloni, and Jason Fletcher. “Longevity and In Utero Exposure to the Influenza Pandemics in the 19th century.” European Society of Historical Demography, Madrid, Spain.

2023 **Joo, Won-tak**, Jonas Helgertz, Jason Fletcher, and Joshua Goldstein. “Finding Siblings in National Mortality Database using Machine Learning.” Flash Session: Open Science in Demography and Population Studies. Population Association of America, New Orleans, LA.

**Joo, Won-tak**, Jonas Helgertz, Jason Fletcher, and Joshua Goldstein. “Finding Siblings in National Mortality Database using Machine Learning.” Flash Session: Open Science in Demography and Population Studies. Population Association of America, New Orleans, LA.

2022 **Joo, Won-tak**, “Household Social Networks and Mental Health during COVID-19.” Oral Session: Social Networks and Health. Population Association of America, Atlanta, GA.

**Joo, Won-tak**, Michal Engelman, Alberto Palloni, and Jason Fletcher. “Longevity and In Utero Exposure to the Influenza Pandemics in the 19th century.” European Society of Historical Demography, Madrid, Spain.

2021 **Joo, Won-tak**, Michal Engelman, Alberto Palloni, and Jason Fletcher. “Longevity and In Utero Exposure to the Influenza Pandemics in the 19th century.” Oral Session: Historical Studies of Epidemics and Pandemics. Population Association of America, Virtual.

2019 **Joo, Won-tak**. “Educational Differences in Social Network Activation: with Whom Do You Talk at the Onset of Chronic Diseases?” Oral Session: Social and Economic Determinants of Health and Mortality, Population Association of America, Austin, TX.

**Joo, Won-tak**, Michal Engelman and Jason Fletcher. “Changes in Social Networks after Retirement: Comparison of the USA and European Countries.” Oral Session: Cross-National Studies of Retirement Policies and Processes, Population Association of America, Austin, TX.

2018 **Joo, Won-tak** and Jason Fletcher. “The Multigenerational Effect of Prestige on Patrilineage Survival in Korea 1400-1940.” Oral Session: Contemporary and Historical Fertility Transitions, Population Association of America, Denver, CO.

2015 Youm, Yoosik, **Won-tak Joo**, and Sung-hwan Gong. “Brokerage vs. Embeddedness: Global Network Positions and Cognitive Function among Korean Older Adults.” Regular Session: Aging, American Sociological Association, Chicago, IL.

## ACTIVE GRANTS

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2023-4 College of Health & Human Performance, University of Florida (PI: Kim, Co-PI: Joo)  
“Utilizing Geospatial Artificial Intelligence (GeoAI) and Wastewater-Based Epidemiology to Assess Regional Disease Vulnerability (RDV) Across the United States.”

## COMPLETED GRANTS

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2020-1 Center for Financial Security, University of Wisconsin–Madison (PI: Engelman, Co-PI: Joo)  
“Retirement in the Context of Intergenerational Transfers.”

#### **AWARDS AND FELLOWSHIPS**

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2018-9	Graduate Research Fellowship, Institute for Research on Poverty, University of Wisconsin–Madison
2016	Graduate Thesis Award, Yonsei University
2015	Scholarship for the Research Capability, Yonsei University
2013-4	Brain Korea 21+ fellowship, Ministry of Education

#### **PROFESSIONAL SERVICE**

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<i>Member</i>	American Sociological Association, Population Association of America, International Network for Social Network Analysis
<i>Referee</i>	European Heart Journal, Gerontologist, Journal of Cross-Cultural Gerontology, Journal of Health and Social Behavior, Journal of Mathematical Sociology, Social Network Analysis and Mining