Won-tak Joo

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ACADEMIC POSITIONS

2023-	Assistant Professor, Sociology and Criminology & Law, University of Florida
	2023- Director, Computational Sociology and Criminology Lab
2022	Postdoctoral Fellow, Demography, University of California, Berkeley

EDUCATION

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

AREAS OF INTEREST

Social Demography; Social Networks; Computational Sociology

PUBLICATIONS

(* contributed equally)

Articles in Peer-Reviewed Journals

2025 [1] Lee, Hyunju*, **Won-tak Joo***, Joseph Dennis, and Sangkuk Lee. "Centralized Power, Decentralized Ambitions: The Reconfiguration of Local Power during the Transition from Goryeo to Joseon Korea." *The History of the Family* 30(3):519-541. https://doi.org/10.1080/1081602X.2025.2496216
- Presented at *Social Science History Association* 2025

[2] Fletcher, Jason, Michael Topping, and **Won-tak Joo**. "Trends in the Female Longevity Advantage of 19th-Century Birth Cohorts: Exploring the Role of Place and Fertility." *Social Science History* 49(2):422-443. https://doi.org/10.1017/ssh.2025.24

2024 [3] **Joo, Won-tak**, Felix Elwert, and Martin D. Munk. "Labor Market Consequences of Grandparenthood." *Sociological Science* 11:600-625. https://doi.org/10.15195/v11.a22

2023 [4] **Joo, Won-tak**. "Educational Gradient in Social Network Changes at Disease Diagnosis." *Social Science & Medicine* 317: 115626. https://doi.org/10.1016/j.socscimed.2022.115626
- Presented at *Population Association of America* 2019
- Featured in *Population Reference Bureau*

2022 [5] Engelman, Michal*, **Won-tak Joo***, Jason Fletcher, and Barry Burden. "Health, Wealth, and Voting Trajectories in Later Life." *The Journals of Gerontology: Series B* 77(4):827-837. https://doi.org/10.1093/geronb/gbab191
- Presented at *Population Association of America* 2021

2020 [6] **Joo, Won-tak**, and Jason Fletcher. "Out of Sync, Out of Society: Political Beliefs and Social Networks." *Network Science* 8(3):445-468. https://doi.org/10.1017/nws.2020.2

2018 [7] **Joo, Won-tak***, Chan Joo Lee*, Jaewon Oh, In-cheol Kim, Sang-hak Lee, Seok-min Kang, Hyeon Chang Kim, Sungha Park, and Yoosik Youm. "The Association between Social Network Betweenness and Coronary Calcification: A Baseline Study on Patients with a High Risk of Cardiovascular Disease." *Journal of Atherosclerosis and Thrombosis* 25(2):131-141. https://doi.org/10.5551/jat.40469

[8] Kwak, Seyul, **Won-tak Joo**, Yoosik Youm, and Jeanyung Chey. "Social Brain Volume is Associated with In-degree Social Network Size among Older Adults." *Proceedings of the Royal Society B* 285:20172708. https://doi.org/10.1098/rspb.2017.2708

2017 [9] **Joo, Won-tak**, Seyul Kwak, Yoosik Youm, and Jeanyung Chey. "Brain Functional Connectivity Difference in a Complete Network of an Entire Village: The Role of Social Network Size and Embeddedness." *Scientific Reports* 7:4465. https://doi.org/10.1038/s41598-017-04904-1

[10] Kim, Woo Jung, **Won-tak Joo**, Jiwon Baek, Sung Yun Sohn, Kee Namkoong, Yoosik Youm, Hyeon Chang Kim, Yeong-Ran Park, Sang Hui Chu, and Eun Lee. "Factors Associated with Insomnia among the Elderly in a Korean Rural Community." *Psychiatry Investigation* 14(4):400-406. https://doi.org/10.4306/pi.2017.14.4.400

[11] Sohn, Sung Yun, **Won-tak Joo**, Woo Jung Kim, Se Joo Kim, Yoosik Youm, Hyeon Chang Kim, Yeong-Ran Park, and Eun Lee. "Social Network Types among Older Korean Adults: Associations with Subjective Health." *Social Science & Medicine* 173:88-95. https://doi.org/10.1016/j.socscimed.2016.11.042

2014 [12] Youm, Yoosik, Edward O. Laumann, Kenneth F. Ferraro, Linda J. Waite, Hyeon Chang Kim, Yeong-Ran Park, Sang Hui Chu, **Won-tak Joo**, and Jin A Lee. "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." *BMC Geriatrics* 14:102. https://doi.org/10.1186/1471-2318-14-102

[13] Youm, Yoosik, and **Won-tak Joo**. "The Role of Social Networks in the Etiology and Prognosis of Coronary

Heart Diseases: A Meta-analysis of 44 Most Recent Prospective Studies." *Korean Journal of Social Issues* 1(25):163-207.

Non-refereed Publication
  2023   [1]   **Joo, Won-tak**. "Why and How Should We Understand the Aging of Political Party Affiliation?" *Generations Today*.

MANUSCRIPTS IN PROGRESS

(* contributed equally † student author)
Under Review
  Joo, Won-tak, Michal Engelman, Alberto Palloni, and Jason Fletcher. "The Lifespan Consequences of Early Exposure to Influenza Pandemics in the 19th Century."
  ▪ Presented at *European Society of Historical Demography* 2022, *Population Association of America* 2021
  ▪ Invited to *ECHO Project* 2021

Manuscript Available
  Joo, Won-tak. "Household Social Networks and Mental Health during COVID-19."
  ▪ Presented at *Population Association of America* 2022
  Joo, Won-tak. "Social Networks and Socioeconomic Differences in Mental Health Consequences of COVID-19."
  Breen, Casey*, and **Won-tak Joo***. "A Social Scientist's Guide to Inference with Linked Data."
  ▪ Presented at *Population Association of America* 2025, *Social Science History Association* 2024
  Zhang, Huimin†, Jiahui Lyu†, and **Won-tak Joo**. "Household Structures in Later Life: Cohort Trends and Social Inequalities."
  ▪ Presented at *American Sociological Association* 2025, *Population Association of America* 2025
  Lyu, Jiahui†, Huimin Zhang†, and **Won-tak Joo**. "Intergenerational Ambivalence in Later Life: Gendered Effects of Marital and Work Transitions."
  ▪ Presented at *American Sociological Association* 2025, *Population Association of America* 2025
  Joo, Won-tak, and Jason Fletcher. "The Rise and Fall of Patrilineage in Korea 1400-1940."
  ▪ Presented at *Population Association of America* 2018

Manuscript in Progress
  Joo, Won-tak. "Who Takes the Role of Close Kin in Social Networks of Kinless Older Adults?"
  ▪ Presented at *Population Association of America* 2023, *International Social Network Association* 2022
  Joo, Won-tak. "Compulsory Schooling Reforms and Social Connectedness in Later Life."
  Joo, Won-tak. "Sex-Specific Effects of In-Utero Exposure to the 1918 Influenza Pandemic on Later Lifespan."
  ▪ Presented at *Social Science History Association* 2025
  Joo, Won-tak*, and Hyunju Lee*. "Historical Changes in the Patterns of Royal Endogamy in Korea."
  ▪ Presented at *Social Science History Association* 2024, *American Sociological Association* 2024, *International Social Network Association* 2024
  Joo, Won-tak*, Hyuju Lee*, and Sangkuk Lee. "Multigenerational Mobility amid Political Turmoil: The Case of the Goryeo–Joseon Transition in Korea."
  Zhang, Huimin†, Jiahui Lyu†, and **Won-tak Joo**. "Household Instability and Mental Health of Older Adults."
  ▪ Presented at *American Sociological Association* 2024
  Jung, Dahye†, and **Won-tak Joo**. "Do Social Leisure and Friend Networks Buffer Loneliness in Older Adults? A Multilevel Approach."
  ▪ Accepted for presentation at *The Academy of Leisure Sciences* 2026

COMPLETED GRANTS

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

PRESENTATIONS

Invited Talks
  2024   **Joo, Won-tak**. "Record Linkage Using Machine Learning." Summer Institute in Computational Social Science, Daejeon, South Korea.
  2023   **Joo, Won-tak**. "Record Linkage Using Machine Learning." Florida Society of the Social Sciences, Gainesville, FL.
  2022   **Joo, Won-tak**. "Social Networks and Social Science Research." Chungnam National University, Daejeon, South Korea.
  2021   **Joo, Won-tak**, Michal Engelman, Alberto Palloni, and Jason Fletcher. "Longevity and In Utero Exposure to the Influenza Pandemics in the 19th Century." ECHO Project, Madrid, Spain.

Conference

2025   Social Science History Association, Chicago, IL.
- **Joo, Won-tak**. "Sex-Specific Effects of In-Utero Exposure to the 1918 Influenza Pandemic on Later Lifespan."
- Lee, Hyunju, **Won-tak Joo**, Joseph Dennis, and Sangkuk Lee. "Centralized Power, Decentralized Ambitions: The Reconfiguration of Local Power during the Transition from Goryeo to Joseon Korea."

American Sociological Association, Chicago, IL.
- Zhang, Huimin, Jiahui Lyu, and **Won-tak Joo**. "Household Structures in Later Life: Cohort Trends and Social Inequalities."
- Lyu, Jiahui, Huimin Zhang, and **Won-tak Joo**. "Intergenerational Ambivalence in Later Life: Gendered Effects of Marital and Work Transitions."

Population Association of America, Washington, DC.
- Breen, Casey, and **Won-tak Joo**. "Population Research with Linked Data: Methods for Inference."
- Zhang, Huimin, Jiahui Lyu and **Won-tak Joo**. "Temporal Dynamics of Household Arrangement in Later Life: Exploring Racial, Gender, and Class Differences."
- Lyu, Jiahui, Huimin Zhang, and **Won-tak Joo**. "The Impact of Later-Life Transitions on Intergenerational Relationships: Does Gender Matter?"

2024   Social Science History Association, Toronto, Canada.
- **Joo, Won-tak**, and Hyunju Lee. "Historical Changes in the Patterns of Royal Endogamy in Korea."
- Breen, Casey, and **Won-tak Joo**. "A Social Scientists Guide to Inference with Linked Data."

American Sociological Association, Montreal, Canada.
- **Joo, Won-tak**, and Hyunju Lee. "Sociopolitical Contexts of Royal Endogamy in Ancient and Medieval Korea."
- Zhang, Huimin, and **Won-tak Joo**. "Household Instability and Health of Older Adults."

International Network for Social Network Analysis, Edinburgh, Scotland.
- **Joo, Won-tak**, and Hyunju Lee. "Sociopolitical Contexts of Royal Endogamy in Ancient and Medieval Korea."

Population Association of America, Columbus, OH.
- **Joo, Won-tak**, "Who Takes the Role of Close Kin in Social Networks of Kinless Older Adults?"

2023   International Network for Social Network Analysis, Portland, OR.
- **Joo, Won-tak**, "Who Takes the Role of Close Kin in Social Networks of Kinless Older Adults?"

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."

2022   Population Association of America, Atlanta, GA.
- **Joo, Won-tak**, "Household Social Networks and Mental Health during COVID-19."

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

2021   Population Association of America, Virtual.
- **Joo, Won-tak**, Michal Engelman, Alberto Palloni, and Jason Fletcher. "Longevity and In Utero Exposure to the Influenza Pandemics in the 19th Century."
- Engelman, Michal, **Won-tak Joo**, Jason Fletcher, and Barry Burden. "Health, Wealth, and Voting Trajectories: Results from the Wisconsin Longitudinal Study."

2019   Population Association of America, Austin, TX.
- **Joo, Won-tak**. "Educational Differences in Social Network Activation: With Whom Do You Talk at the Onset of Chronic Diseases?"
- **Joo, Won-tak**, Michal Engelman and Jason Fletcher. "Changes in Social Networks after Retirement: Comparison of the USA and European Countries."

2018   Population Association of America, Denver, CO.
- **Joo, Won-tak**, and Jason Fletcher. "Multigenerational Effects of Prestige on Patrilineage Survival in Korea 1400-1940."
- **Joo, Won-tak**. "Is Living Together with Children Good for Older Adults' Depression?"

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

TEACHING

Graduate	Sociological Application of Network Science (F2025; S2024), Advanced Quantitative Methods (F2025; F2024; F2023)
Undergraduate	Introduction to Marriage and Families (S2026; F2024; F2023), Medical Sociology (S2026; S2025; S2024; S2023)

PROFESSIONAL SERVICE

Member	American Sociological Association, Population Association of America, Social Science History Association
Referee	Gerontologist, Journal of Family History, Journal of Health and Social Behavior, Journal of Mathematical Sociology, Journals of Gerontology, Social Science & Medicine
2026-8	Editorial Board, Journal of Health and Social Behavior
2025	Session Discussant, Social Science History Association
	Student Paper Award Committee, American Sociological Association
2024	Program Committee, Southern Sociological Society
2023	Session Organizer, Population Association of America
2021	Session Discussant, Population Association of America