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NANUM JEON

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Department of Statistics and Data Science
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EDUCATION

Ph.D. in Sociology 2021 – Present
University of California, Los Angeles Los Angeles, USA

Advisor: Jennie E. Brand

Dissertation: Exploring Employment Patterns, Family Disruption, and Gender Inequality

Committee: Jennie E. Brand (Chair), Ian Lundberg, Natasha Quadlin, Wei-hsin Yu, Xiaowu Dai (Statistics and Data Science)

M.S. in Statistics and Data Science 2021 – Present
University of California, Los Angeles Los Angeles, USA

M.A. in Sociology 2021
University of California, Los Angeles Los Angeles, USA

M.A. in Public Policy 2017
University of Tokyo Tokyo, Japan

B.A. in Sociology 2015
Ewha Womans University Seoul, South Korea

RESEARCH INTERESTS

Social Stratification & Inequality, Demography, Statistics & Data Science, and U.S. & East Asia

My research examines social stratification and inequality across the life course, with a focus on disruptive events and both inter- and intra-group heterogeneity. I develop and apply statistical, demographic, and machine learning methods to advance my research agenda, with an emphasis on causal inference.

PEER-REVIEWED PUBLICATIONS

Jeon, Nanum. 2023. "Swapping gender traditionalism: Christianity, Buddhism, and gender ideology in South Korea." *Journal for the Scientific Study of Religion*, 62(2), 336–358.

Quadlin, Natasha, Nanum Jeon, Long Doan, and Brian Powell. 2022. "Untangling perceptions of atypical parents." *Journal of Marriage and Family*, 84(4), 1175–1195.

Lundberg, Ian, Jennie E. Brand, and Nanum Jeon. 2022. "Researcher reasoning meets computational capacity: Machine learning for social science." *Social Science Research*, 108, 102807.

UNDER REVIEW

Xi, Jiahui, Jennie E. Brand, Tanvi Shinkre, and **Nanum Jeon**. [Paper on causal mediation forests]. Under review at *Sociological Methods & Research*.

Jeon, Nanum and Jennie E. Brand. [Paper on heterogeneous effects of college degrees through high-skilled occupations against COVID-19 job loss]. Under review at *Demography*.

WORK-IN-PROGRESS

Jeon, Nanum. “Divorce as a turning point: Cumulative inequality through trajectory stratification in employment, and remarriage among divorced women facing economic risks in the U.S. welfare state.”

Jeon, Nanum and Jennie E. Brand. “Causal machine learning for sociology.” Invited submission for the Special Issue of Explanation and Causality in the Social Sciences, *Kölner Zeitschrift für Soziologie & Sozialpsychologie (Cologne Journal of Sociology & Social Psychology)*

Lundberg, Ian, **Nanum Jeon**, and Hao Liang. “The causal effect of volatility: Estimation by marginal structural models.”

Heuveline, Patrick and **Nanum Jeon**. “Estimating multi-annual excess deaths: A formula and an application to the chronic US mortality disadvantage, 1956–2023.” Invited submission for the Special Issue of the *European Journal of Population*, “Mortality Dynamics in Low-Mortality Countries: What’s Up?”

CONFERENCE PRESENTATIONS

† indicates a presenting author.

Brand, Jennie E[†], **Nanum Jeon**. April 2025. “The social and economic context of worker displacement.” Oral presentation accepted to the *Annual Meeting of the Population Association of America (PAA)*. Washington, D.C.

Jeon, Nanum[†] and Jennie E. Brand. August 2024. “College and skin tone stratification: The heterogeneous effects of college on COVID-19 job loss.” Oral Presentation at the *Annual Meeting of the American Sociological Association (ASA)*, Montreal, Canada.

Lundberg, Ian, **Nanum Jeon**[†], and Hao Liang. August 2024. “The causal effect of volatility: Estimation by marginal structural models.” Oral Presentation at the *Annual Meeting of the American Sociological Association (ASA)*, Montreal, Canada.

Jeon, Nanum[†]. July 2024. “Natural course scenario prediction task for dynamic treatment effects modeling with R-Transformer.” Oral presentation at the *International Conference on Computational Social Science (IC2S2)*. Philadelphia, PA.

Lundberg, Ian, **Nanum Jeon**[†], and Hao Liang. May 2024. “The causal effect of volatility: Estimation by marginal structural models.” Poster Presentation at the *American Causal Inference Conference (ACIC)*, Seattle, WA.

Heuveline, Patrick and **Nanum Jeon**[†]. April 2024. “Post-pandemic trends and cumulative impact of the US mortality disadvantage, 1956–2022: A research note.” Oral Presentation at the *Annual Meeting of the Population Association of America (PAA)*, Columbus, OH.

Lundberg, Ian[†], **Nanum Jeon**, and Hao Liang. April 2024. “The causal effect of volatility: Estimation by marginal structural models.” Oral Presentation at the *Annual Meeting of the Population Association of America (PAA)*, Columbus, OH.

Xu, Jiahui[†], Jennie E. Brand, Tanvi Shinkre, and **Nanum Jeon**. August 2023. “Determining Treatment Prioritization Rules: An Application to the Benefits of College in Reducing Poverty.” Oral Presentation at the *Annual Meeting of the American Sociological Association (ASA)*, Philadelphia, PA.

- Jeon, Nanum[†]** and Jennie E. Brand. August 2023. “The impact of college degrees in reducing COVID-era labor market racial disparities.” Oral Presentation at the *Research Committee on Social Stratification (RC28)*, Ann Arbor, MI.
- Jeon, Nanum[†]**. May 2023. “U.S. women’s heterogeneous employment patterns across the life course after divorce.” Oral Presentation at the *Research Committee on Social Stratification (RC28)*. Paris, France.
- Jeon, Nanum[†]** and Jennie E. Brand. May 2023. “The impact of college degrees in reducing COVID-era labor market racial disparities.” Poster Presentation at the *All-UC Demography Conference*, Irvine, CA.
- Jeon, Nanum[†]** and Jennie E. Brand. April 2023. “The impact of college degrees in reducing COVID-era labor market racial disparities.” Poster Presentation at the *Annual Meeting of the Population Association of America (PAA)*, New Orleans, LA.
- Jeon, Nanum[†]**. April 2022. “Gender ideology, religious affiliation, and subjective religiosity in South Korea.” Poster Presentation at the *Annual Meeting of the Population Association of America (ASA)*, Atlanta, GA (Hybrid).

FELLOWSHIPS AND SCHOLARSHIPS

Donald J. Treiman Research Fellowship (\$6,000)	2023
• A competitive fellowship for population-related research.	
• California Center for Population Research, UCLA.	
Kawahara Fellowship (\$8,000)	2021
• A fellowship to develop Japan expertise.	
• Terasaki Center for Japan Studies, UCLA	
Kwanjeong Overseas Scholarship (\$100,000)	2019 – 2024
• A nationally competitive scholarship for Korean students to pursue doctoral research abroad.	
• 1 recipient nationwide in sociology	
Japan Student Services Organization Scholarship (\$6,000)	2015 – 2017
Mirae Asset Scholarship (\$5,000)	2012

HONORS AND AWARDS

UCLA Dissertation Year Award (\$20,000)	2024 – 2025
UCLA Sociology Service Award	2020 – 2025

TEACHING INTEREST

Core Courses	Substantive Area Courses
• Social Stratification and Inequality	• Life Course and Inequality
• Social Demography	• Data Science for Sociology/Social Science
• Statistics and Research Methods	• Causal Inference and Machine Learning

TEACHING EXPERIENCE

Instructor	2023, 2024
Summer Institute in Computational Social Science UCLA	Los Angeles, USA
• Lecture on Application of Machine Learning in Social Sciences	
Teaching Assistant	2021, 2023
University of California, Los Angeles	Los Angeles, USA
• Sociology of Gender, Occupation & Professions, Sociology of Education	

WORK EXPERIENCE

- Capacity Building and Training Associate 2017 – 2019
[Asian Development Bank Institute \(ADBI\)](#) Tokyo, Japan
- Organized over 50 teaching sessions and workshops annually for mid-level government officials to enhance public policy effectiveness in Asia, featuring presentations from high-ranking government officials and academics.
 - Wrote a [policy brief](#), project proposals, and other publications in collaboration with economists and government officials.
 - Prepared opening and closing remarks and presentations for Deputy Dean.
 - Conducted post-workshop evaluations and interviews to assess the impact of capacity-building and training programs through surveys.
 - Organized and drafted agenda for [2018](#) and [2019](#) ADBI-OECD-ILO Roundtable on Labor Migration in Asia.

PROFESSIONAL MEMBERSHIP

American Sociological Association (ASA)
Population Association of America (PAA)
International Sociological Association Research Committee 28 on Social Stratification (RC28)
Association of Korean Sociologists in America (AKSA)
Society for Causal Inference (SCI)

INSTITUTIONAL AFFILIATIONS

California Center for Population Research, UCLA
Inequality Data Science Lab (IDS-Lab)

SERVICE

- Session Organizer | ASA 2024 – 2025
- Organizing a regular session on Work and Family for the 2025 Annual Meeting of the American Sociological Association.
- DEI Committee, Mathematical Sociology Section | ASA 2024 – Present
- Reached out to graduate students to enhance inclusion and diversity in the section.
- Mentor, Mathematical Sociology Section | ASA 2023 – Present
- Connected graduate students with established scholars to expand the field of mathematical sociology.
- Coordinator, Social Stratification, Inequality & Mobility Working Group | UCLA 2023 – Present
- Facilitated student paper workshops and invited outside speakers conducting cutting-edge research in sociology for the department colloquium series.
- Student Representative, Junior Faculty Search Committee | UCLA 2023
- Gathered and presented graduate student feedback to ensure their perspectives are reflected in the evaluation criteria.
- Organizer, Summer Institute in Computational Social Science | UCLA 2023
- Led the planning and coordination of a 10-day Data Science for Social Science lecture series, managing venue logistics, syllabus development, and participant selection. Coordinated with guest lecturers from statistics and social science fields to bridge the disciplines and managed program implementation and evaluation.
- Coordinator, IDS-Lab 2021 – 2023
- Coordinator, Family Working Group | UCLA 2020 – 2022

SKILLS

Programming: R, STATA, Python, and SQL

Languages: English (Fluent), Korean (Native), and Japanese (Advanced)