

Woojin Jung

Title and Address:

Assistant Professor
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Academic Positions

07/2019-ongoing: **Assistant Professor**, Rutgers, The State University of New Jersey, School of Social Work

02/2020-ongoing: **Core Faculty**, Rutgers Global Health Institute

Education & Certification

Highest Earned Degree

University of California, Berkeley, Ph.D. in Social Welfare, 2019

Designated Emphasis: Development Engineering

Dissertation: *Combating Poverty through Aid: A Critical Analysis of Alternative Models*

Other Earned Degrees

Harvard Kennedy School, Master in Public Policy, Cambridge, 2007

Concentration: Political and Economic Development

Washington University in St. Louis, Master of Social Work, St. Louis, 2002

Concentration: Social and Economic Development

Ewha Womans University, Bachelor of Arts in Social Welfare, Seoul, 1998

Minor: Education Psychology

Certificates and Licenses Held

Certified Social Worker

License grade: 1st

License number: 1-12903

Date of issue: April 09, 1998

Issued by the Korea Association of Social Workers

Publications

Articles in Refereed Journals

Published or In-Press

Jung, W. (2022, In press). Mapping community development projects: Spatial analysis in Myanmar. *World Development*.

- Jung, W.** (2022). The discrepancy between two approaches to global poverty: What does it reveal? *Social Indicators Research*. <https://doi.org/10.1007/s11205-021-02866-6>
- Jung, W.** (2020). Two models of community-centered development in Myanmar. *World Development*, 136. <https://doi.org/10.1016/j.worlddev.2020.105081>
- Jung, W.** (2020). Using data science to strengthen the social safety net: Predicting risk for Medicare and Medicaid insurers. *Journal of Governmental Studies*. 26(2), 29-61. [In Korean] <https://dx.doi.org/10.19067/jgs.2020.26.2.29>
- Organista, K. C., **Jung, W.**, & Neilands, T. (2020). A structural-environmental model of alcohol and substance-related sexual HIV risk in Latino migrant day laborers. *AIDS and Behavior*. <https://doi.org/10.1007/s10461-020-02876-4>
- Wu, C.-F., Chang, Y.-L., Rhodes, E., Musaad, S., & **Jung, W.** (2020). Work-hour trajectories and associated socioeconomic characteristics among single-mother families. *Social Work Research*. 44(1), 47-57. <https://doi.org/10.1093/swr/svz029>
- Organista, K., **Jung, W.**, & Neilands, T. (2019). Working and living conditions and psychological distress in Latino migrant day laborers. *Health Education & Behavior*, 46(4), 637-647. <https://doi.org/10.1177/1090198119831753>
- Kim, P. H., & **Jung, W.** (2018). Ownership and planning capacity in the Asian-style development cooperation: South Korean knowledge sharing program to Vietnam. *Korea Observer*, 49(2), 349-368. <https://doi.org/10.29152/KOIKS.2018.49.2.349>

Work in Progress

- Jung, W.**, Hosseini, M., Metaxas, D. N., Ammari, T., & Ntarlagiannis, D. (Working paper). Exploring scalable multimodal approaches to identify vulnerable populations in the Congo. *Nature-Sustainability*.
- Jung, W.** (Working paper). How are the “needs” of the Global South measured? *Society for Social Work and Research*. 13 pages.
- Jung, W.** (Working paper). More aid to countries in higher poverty?. *Development Engineering*, 28 pages.
- Organista, K., **Jung, W.**, & Neilands, T. (Working Paper). A structural environmental model of problem drinking in Latino migrant day laborers. *American Journal of Public Health*.
- Jung, W.**, Ammari, T., Bn, R., Steiner, J., & Ntarlagiannis, D. (Working paper). Does Twitter predict spatio-temporal poverty in the Republic of the Congo? *Sustainable Cities and Society*.
- Jung, W.**, Stoeffler, Q., Hosseini, M., Bn, R., & Steiner, J. (Working paper). Efficient targeting in the Republic of the Congo, using machine learning techniques in a Covid-19 context. *Journal of Development Economics*.
- Jung, W.**, Ammari, T., Chear, C., & Ntarlagiannis, D. (Working paper). Do poverty and food insecurity impact what people Tweet in Zambia? *International Journal of Information Management*

Articles in Non-refereed or General Journals

- Chun, S.-H., & **Jung, W.** (2013). Delivering aid to African agriculture: New directions. *World Agriculture*, 153(5), 55-80. [In Korean]
- Jung, W.** (2010). Cross-cutting issues: Poverty. *Journal of International Development Cooperation*, (4), 120-150.
- Jung, W.** (2010). Successful Asian recipients: Case studies of Korea and Vietnam. *Journal of International Development Cooperation*, (3), 120-150.
- Jung, W.** (2010). Financial analysis and performance measurement of Oxfam America, *Journal of International Development Cooperation*, (2), 108-126.
- Jung, W.** (2010) The strategic partnership between Samsung Electronics and UNICEF India. *Journal of International Development Cooperation*, (1), 92-124.
- Jung, W.** (2010). *Korean development cooperation model*. Korea International Cooperation *Journal of International Development Cooperation*, (1), 69-91. [In Korean]

Published Conference Proceedings

Accepted or In Press

- Jung, W.** (2022). Developing AI-informed wealth metrics: Multimodal approach in Zambia. *2022 Proceedings of International Conference on Sustainable Development (ICSD)*. 27 pages.

Books

- Kim, E-M., **Jung, W.**, Park, M., & Rhee, H. (2012). *Social protection programs for the urban poor in the Global South*. Korea International Cooperation Agency (KOICA). 343 pages. [In Korean]
- Jung, W.** (2012). *Promoting pro-poor growth: Policy guidance*. Korea International Cooperation Agency (KOICA). 225 pages. [In Korean]
- Jung, W.**, & Chung, Y.-A. (2011). *Strengthening the decentralized approach to aid management*. Korea International Cooperation Agency (KOICA). 200 pages. [In Korean]
- Jung, W.** (2010). *Korean development cooperation model*. Korea International Cooperation Agency (KOICA). 453 pages. [In Korean]
- Bajracharya, A., **Jung, W.**, Prabhakar, B., & Singh, D. (2006). *Empowerment of women from an excluded community in Bihar State*. UNICEF India. 57 pages.

Textbooks

- Jung, W.** (2016). Poverty and development. In Korea International Cooperation Agency (KOICA) (Ed.). *International development cooperation: Advanced level* (pp. 559-665). Korea International Cooperation Agency (KOICA). [In Korean]

Edited Books, Anthologies, Collections, Bibliographies

- Kharas, H., Makino, K., & **Jung, W.** (Eds.). (2011). *Catalyzing development: A new vision for aid*. Brookings Institute Press.

Chapters in Books or Monographs

Jung, W. (2016). Korea's development assistance in fragile states: What is at stake? In B. M. Howe (Ed.), *Post-conflict development in East Asia* (pp. 195-220). Routledge.

Kim, P. H., & **Jung, W.** (2015). Does domestic welfare reform spill into development assistance overseas? The South Korean case. In R. Hasmath (Ed.), *Inclusive growth, development and welfare policy* (pp. 44-59). Routledge.

Reviews

Jung, W. (2021). [Review of the book *Becoming one: Religion, development, and environmentalism in a Japanese NGO in Myanmar*, by C. Watanabe]. *Pacific Affairs*, 94(4), 781-783.

Conference Presentations, Lectures, & Demonstrations

Invited Addresses

Seminar speaker, Using data science to strengthen the social safety net in the global context in 08/2022 at Korea Social Security Information Service (SSIS) in Seoul.

Seminar speaker, Innovation-technology-inclusion special lecture series: Data science in 05/2022 at Ewha Woman's University.

Seminar speaker, Addressing global poverty through the convergence of AI and social welfare in 09/2021 at Sungkyunkwan University (SKKU).

Seminar speaker, Innovation-technology-inclusion special lecture series: Data science in 04/2021 at Ewha Woman's University.

Moderator, Changing landscape of development cooperation amidst and beyond COVID-19 in Asia in 11/2020 at Asia Foundation.

Seminar speaker, Combining satellite imagery with deep learning to predict poverty in data-sparse contexts, in 07/2020 hosted by the Korea Association of International Development and Cooperation (KAIDEC) and Seoul National University Asia Center at Seoul National University in Seoul.

Seminar speaker, Using machine learning to evaluate aid distribution in 01/2020 at the Institute of Governmental Studies at Korea University in Seoul.

Symposium speaker, Promoting pro-poor growth: From concept to practice in 06/2012, at the Pro-Poor Growth and Development Cooperation: Experience and Lessons from Asia conference in Beijing. Hosted by Korea Development Institute and the Asia Foundation

Workshop speaker, Korea's assistance to fragile states in 11/2012 at the East Asian Development and Human Security Workshop in Cambridge, MA. Hosted by Harvard University.

Presenter, *Korea: The road from a successful recipient to a major donor* in 11/2011 at the 4th Seoul ODA International Conference in Seoul. Hosted by the Ministry of Foreign Affairs of Korea.

Papers, Abstracts, and Lectures

Jung, W. *AI-informed vulnerability index to target food security pack in Zambia*. Paper accepted to the 2022 International Conference on Sustainable development (**ICSD**) at Columbia University

Jung, W. *AI-informed vulnerability index to target food security pack in Zambia*. Paper presented at the Session Machine Learning for Leveraging Rich Data Sources to the 2022 Association for Public Policy Analysis and Management (**APPAM**)

Ziemer, K., Ren C., Rodriguez M., & **Jung, W.** *Social media as a source of data – Lessons learned and implications for utilizing computational methods in social work research*, Accepted as a roundtable at the 2022 Conference of the Society for Social Work and Research (**SSWR**).

Jung, W. *Using deep learning to evaluate the distribution of community development aid*. Paper presented at the virtual 2021 Society for Social Work and Research (**SSWR**).

Lee, J., **Jung, W.**, & Ren, C. *Teaching data science in social work: Lived experiences and future directions*. Accepted as a Panel in the Research and Program Evaluation Track at the Council on Social Work Education (**CSWE**) 66th 2020 Annual Program Meeting.

Jung, W. *Mapping community-led development aid: Combining satellite imagery and spatial data*. Paper presented at the 2020 Society for Social Work and Research (**SSWR**) in Washington D.C.

Jung, W. *Mapping community-led development projects: Spatial analysis in Myanmar*. Poster accepted at the 2019 Association for Public Policy Analysis and Management (**APPAM**), 2019 International Conference on Sustainable Development (**ICSD**) in New York, 2019 Society for Social Work and Research (**SSWR**) in Washington D.C., and Geospatial Analysis for International Development in Berkeley (**Geo4Dev**).

Jung, W. *Discrepancy between two approaches to global poverty: What does it reveal?* Paper presented at the 2018 Society for Social Work and Research (**SSWR**) in Washington D.C. and the 2016 Development Studies Association (**DSA**) in Oxford, UK.

Jung, W., & Organista, K. *Working and living conditions and psychological distress in Latino migrant day laborers*. Paper presented at the 2018 Society for Social Work and Research (**SSWR**) in Washington D.C

Jung, W. *Analytical framework for community-driven development in fragile states: A case study in Myanmar*. Paper presented at the 2017 Development Studies Association (**DSA**) in Bradford

Jung, W. *Evidence in a changing aid landscape*. Paper presented at the 2017 Development Studies Association (**DSA**) in Bradford

Jung, W. *More aid to countries in need?* Paper presented at the 2015 International Conference on Sustainable Development (**ICSD**) in New York

Kim, P. H., & **Jung, W.** *Does the welfare-ODA nexus exist?* Paper presented at the 2012 Asian Political and International Studies Association (**APISA**) in Hong Kong.

Funding

Externally-Funded Research and/or Training Grants

2021-2023 (Grant Amount: \$25,000) AI for Humanitarian Action Project Azure Grant, Woojin Jung, Agency: Microsoft, Role: PI

Internally-Funded Research and/or Training Grants

2021-2023 (Grant Amount: \$18,000) Collaborative Multidisciplinary Awards, Rutgers University Research Council, "Developing AI-informed vulnerability index to target food security pack program in Zambia, Agency: Graduate Research Council, Role: PI

2021-2022 (Grant Amount: \$10,000) Exploring scalable multimodal approaches to identify vulnerable populations in the Congo, Woojin Jung, Agency: Global Health Institute, Role: PI

Contracts

2013-2019 (Grant Amount: \$1,000,000) Impact Evaluation Fund (The lead author of a \$1 million impact evaluation proposal), Woojin Jung, Agency: Korea International Cooperation Agency, Role: co-PI

2012-2013 (Grant Amount: \$50,000) Developing content for the governmental web platform in regard to official development assistance in Korea at <https://www.odakorea.go.kr/>, Woojin Jung, Agency: Korean Prime Minister's Office, Role: co-PI

2011-2012 (Grant Amount: \$50,000) Social protection programs for the urban poor in the Global South, Woojin Jung, Agency: Korea International Cooperation Agency (KOICA), Role: co-PI.

2011-2012 (Grant Amount: \$100,000) A systematic review of evaluations conducted by governmental development aid agencies., Woojin Jung, Agency: Korean Prime Minister's Office, Role: co-PI

Teaching Activities

Courses Taught

Research Methods I, Rutgers University, Spring 2021, 2022

Advanced Statistical Methods II: Generalized Linear Models (Ph.D. Seminar)

Rutgers University, Spring 2020, 2021, 2022

Research Methods II, Rutgers University, Fall 2020, 2021

Social Welfare Policy

U.C. Berkeley

Summer, 2018

Berkeley Connect (Mentored undergraduates in small group format)

U.C. Berkeley

2017-2018

Data Science Discovery (Undergraduate Research Apprentice Program)
U.C. Berkeley
2015-2016

International Cooperation
Sogang University
Spring, 2010

Multi-Ethnic Societies & Conflict Management
Ewha University
Spring, 2012

Globalization and Development
Ewha University
Spring, 2011

Teaching Assistant

Seminar in Social Welfare Research (Graduate Student Instructor), U.C. Berkeley, 2014-2016
Social Work as a Profession (Graduate Student Instructor), U.C. Berkeley, Spring, 2014
Quantitative Analysis & Empirical Methods (Teaching Assistant), Harvard, Spring 2016
Economic Analysis of Public Policy (Teaching Assistant), Harvard, Fall 2016

Students Supervised

Doctoral Dissertation Committee

Maryam Hosseini, Ph.D. in Urban Systems
Dissertation title: *A walk in the city using large data sets to analyze urban sidewalks*
Members of thesis committee: Karen Franck (Chair), Claudio Silva, Piyushimita Thakuriah,
Andres Sevtsuk, Woojin Jung

Doctoral Students Supervised for Research Projects or Collaborated

Matthew Purri, Doctoral student in Electrical and Computer Engineering, 2020-2021
Charles Chear, Doctoral student, Research internship, Spring 2022- ongoing,
Alisha Cupid, Doctoral student, Research internship, January 2021- May 2022,
Rofaida Benotsmane, Doctoral student in Economics, Istanbul Technical University in Turkey,
2022

Service

Contributions to the Advancement of the Academic Profession

2020-ongoing: **Ad-hoc reviewer**, World Development, Social Science and Medicine,
Social Indicators Research, International Journal of Social Welfare,
European Journal of Development Research

Service to Rutgers University

09/2022-Present: Appointed as the Provost's Strategic Task Force (PST) on Cyberinfrastructure and Data Science

09/2022-05/2022: Organized and hosted monthly data science seminars.

03/2022-05/2022: Interviewed faculty candidate for Rutgers Global Health Institute.

Employment and Appointment

Positions Held

06/2022-Present: Ewha Global Fellow (EGF), Ewha Women's University

02/2020-Present: **Core Faculty**, Rutgers Global Health Institute

07/2019-Present: **Assistant Professor**, Rutgers, The State University of New Jersey, School of Social Work

2018-2019: **Statistician**, University of California at Berkeley

2012-2013: **Senior Researcher**, Korea Institute for Development Strategy (KDS) in Seoul, Korea

2011-2012: **Research Fellow**, Graduate School of International Studies at Ewha Womans University in Seoul, Korea

2010-2010: **Lecturer**, Sogang University in Seoul, Korea

2009-2011: **Senior Policy Analyst**, Korea International Cooperation Agency (KOICA) in Seongnam, Korea

2007-2008: **Consultant**, UNICEF Division of Policy and Planning in New York, NY

2007-2008: **Data Analyst**, Harvard Kennedy School in Cambridge, MA

2002-2004: **Public Relations Officer**, The Korean Community Service Center of Greater Washington, Annandale, VA

1998-2020: **Youth Department Manager**, Jeonghae Bokji in Seoul, Korea

1998-1999: **Corporate Social Responsibility Officer**, Samsung Corporation in Seoul, Korea

Editorial Activities

Membership on Editorial Boards of Scholarly or Professional Journals

2020-ongoing: Editorial board member of the Korean Association for Public Administration

Organizing and Chairing Activities

Participation in Organizing or Chairing Conferences, Workshops, and Organizations

2023-2023: **Co-organizer**, *Pre-Conference workshop on data science* at the 2023 Conference of the Society for Social Work and Research (SSWR)

2010-2010: **Co-Chair**, *Catalyzing Development: A New Vision for Aid Workshop* on 07/2010 in Washington D.C., Hosted by the Brookings Institute.

Memberships

Membership/Offices Held in Scholarly and Professional Societies

Society for Social Work and Research
Association for Public Policy Analysis and Management
Development Studies Association
Computational Social Science Forum

Honors and Awards

Fellowships

National Science Foundation (NSF) Innovations at the Nexus of Food, Water, and Energy Systems Program (InFEWS) Fellowship, 2017-2019, \$34,000
Berkeley Connect Fellowship, 2017-2018, \$22,000
Human Rights Center Fellowship, Human Rights Center, 2016, \$5,000
Doctoral Completion Fellowship Award, Spring, 2017 & Fall, 2018, \$18,438

Professional Awards and Honors

2020 Society for Social Work and Research Outstanding Social Work Doctoral Dissertation Award, Washington D.C.
NSF Research Traineeship Program (NRT) Grant
Graduate Division Summer Grant, U.C. Berkeley Graduate Division, 2018, 2016 & 2014
Development Studies Association Travel Funding
Highest Honors in Graduate Research Award, Korea Association of International Development Cooperation
Social Welfare Block Grant Award, U.C. Berkeley, 2014-2015
Roy Family Scholarship, Harvard Kennedy School
National Winner of the Influencing State Policy Contest, Council on Social Work Education
Daniel Sandra Scholarship, Washington University in St. Louis
Honorary Award and Scholarship for Community Services, Ewha Womans University