

Woojin Jung

Assistant Professor

Contact

Office Address

Assistant Professor
 School of Social Work, Rutgers University
 120 Albany Street Room 345
 New Brunswick, NJ 08901

Email Address

w.jung@rutgers.edu

Homepage Address

[Personal Webpage](#)
[Faculty Profile](#)
[CV](#)

ORCID ID

0000-0001-9179-2573

Education

Highest Earned Degree

University of California, Berkeley, Ph.D. in Social Welfare, 2019,
 Designated Emphasis: Development Engineering

Dissertation(s)

Combating Poverty through Aid: A Critical Analysis of Alternative Models, May 17, 2019, (Dissertation Chair: Dr. Neil Gilbert)

Other Earned Degrees

Harvard Kennedy School, Master in Public Policy, Cambridge, November 2007,
 Concentration: Political and Economic Development

Washington University in St. Louis, Master of Social Work, December 2004,
 Concentration: Social and Economic Development

Ewha Womans University, Bachelor of Arts in Social Welfare, Seoul, March, 1998,
 Minor: Education Psychology

Certificates and Licenses Held

Certificate of Social Worker, License grade: 1st, License number: 1-12903
 Issued by Korea Association of Social Workers

Linguistic Ability

Korean, English, French (Basic)

Publications

Articles in Refereed Journals

* Denotes student

Under Review

2025 **Jung, W.**, Kim, A. H.,* Sinha, A., Stoeffler., Q., Ghadimi, S., Shah, V.,* Garg, K.,* & Ammari, T. (Revise and Resubmit) Multimodal poverty mapping and geographic transfer allocation. *Sustainable Cities and Society*.

Accepted or In Press

2025 **Jung, W.**, Kim, A. H.,* Hung, Y., Chear, C.,* Shah, V.,* & Ammari, T. (2026, In Press) Digital pulse of development: Leveraging social media discourse for poverty analysis. *Information Processing and Management*. <https://doi.org/10.1016/j.ipm.2025.104579>

Published

2025 **Jung, W.**, Benotsmane, R.,* Stoeffler., Q., Kim, A. H.,* Ghadimi, S., Ntarlagiannis, D., Hosseini, M.,* Ammari, T., Lu, Y.,* & Steiner, J.* (2026). Contextualized poverty targeting through multimodal spatial data and machine learning in Brazzaville, Congo. *Cities*. <https://doi.org/10.1016/j.cities.2025.106429>

2025 **Jung, W.**, Kim, A. H.,* Stoeffler, Q., Goudarzi, S.,* Benotsmane, R.,* & Shah, V.* (2025). Targeting urban poverty and food insecurity: A community-informed spatial analysis and machine learning approach. *Sustainable Cities and Society*. <https://doi.org/10.1016/j.scs.2025.106799>

2025 **Jung, W.**, Sinha, A., Kim, A. H.,* Shah, V.,* Lu, Y.,* Lee, L.,* & Ammari, T. (2025). The last mile in remote sensing poverty prediction. *Association for Computing Machinery (ACM) Journal on Computing and Sustainable Societies*, 3(3), Article 16. <https://doi.org/10.1145/3724422>

2025 **Jung, W.**, Ghadimi, S., Ntarlagiannis, D., & Kim, A. H.* (2025). Using Artificial Intelligence/Machine Learning to evaluate the distribution of community development aid across Myanmar. *Socio-Economic Planning Sciences*, 98, 102139. <https://doi.org/10.1016/j.seps.2024.102139>

2024 **Jung, W.**, Kim, H. A.,* & Chear, C.* (2024). Data Science and Social Work. *Encyclopedia of Social Work*. Oxford University Press. <https://doi.org/10.1093/acrefore/9780199975839.013.1649>

2023 Bukhari, M. H., Shad, M. Y., Nguyen, U. D. T., Treviño, J. A., **Jung, W.**, Bajwa, W. U., Gallego-Hernández, A. L., Robinson, R., Corral-Frías, N. S., Hamer, G. L., Wang, P., Annan, E., Ra, C. K., Keellings, D., Haque, U. (2023). A Bayesian spatiotemporal approach to modelling arboviral diseases in Mexico. *Transactions of The Royal Society of Tropical Medicine and Hygiene*, 117(12), 867–874. <https://doi.org/10.1093/trstmh/trt064>

2023 **Jung, W.** (2023). Mapping community development projects: Spatial analysis in Myanmar. *World Development*. 164. <https://doi.org/10.1016/j.worlddev.2022.106124>

2022 **Jung, W.** (2022). The discrepancy between two approaches to global poverty: What does it reveal? *Social Indicators Research*, 162(3), 1313–1344. <https://doi.org/10.1007/s11205-021-02866-6>

2020 **Jung, W.** (2020). Two models of community-centered development in Myanmar. *World Development*, 136. <https://doi.org/10.1016/j.worlddev.2020.105081>

2020 **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>

2020 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*, 24(11), 3176–3191. <https://doi.org/10.1007/s10461-020-02876-4>

2020 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/swz029>

2019 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>

2018 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>

Published Conference Proceedings

Under Review

2014 **Jung, W.**, Chear, C.,* Kim, A.,* Shah, V.,* & Ammari, T. (Revise and Resubmit). Spatiotemporal change-points in development discourse: Insights from social media in low-resource contexts. In *Proceedings of the CHI 2026 Conference on Human Factors in Computing Systems (CHI'26)*.

Accepted or In Press

2025 **Jung, W.**, Kim, A. H.,* Hung, Y., Chear, C.,* Shah, V.,* & Ammari, T. (2026). Digital pulse of development: Generating poverty metrics from social media discourse. In *Proceedings of the 5th ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO '25)*. 34 pages. Association for Computing Machinery. <https://doi.org/10.1145/3757887.3767680>

Works in Progress

2025 **Jung, W.**, Hosseini, M., & Shah, V.* (Working paper). Detecting human interpretable features from satellite imagery to support poverty mapping.

2025 **Jung, W.**, Kim, Y., & Kang, M. A. (Working paper). How Public and Private Interventions Shape Social Capital and Community Resilience in Tacloban, Philippines

Edited Books, Anthologies, Collections, Bibliographies

2011 Kharas, H., Makino, K., & **Jung, W.** (Eds.). (2011). *Catalyzing development: A new vision for aid*. 305 pages. Brookings Institute Press. <https://www.jstor.org/stable/10.7864/j.ctt12634s>

Chapters in Books or Monographs

2015 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. <https://doi.org/10.4324/9781315732626>

2016 **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. <https://doi.org/10.4324/9781315601649>

Textbooks

2016 **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]

Articles in Non-refereed or General Journals

2013 Chun, S.-H. & **Jung, W.** (2013). Delivering aid to African agriculture: New directions. *World Agriculture*, 153(5), 55-80. [In Korean]
<http://repository.krei.re.kr/handle/2018.oak/20352>

2010 **Jung, W.** (2010). The Korean Development Cooperation Model: From the perspective of Korean experience and comparative advantage. Korea International Cooperation. *Journal of International Development Cooperation*, (1), 69-91. [In Korean]
<https://doi.org/10.34225/jidc.2010.1.69>

2010 **Jung, W.** & You-ah Chung (2010). Cross-cutting issues: Poverty. *Journal of International Development Cooperation*. (4), 120-150.
<https://doi.org/10.34225/jidc.2010.4.26>

2010 **Jung, W.** (2010). Successful Asian Recipients: Case studies of Korea and Vietnam. *Journal of International Development Cooperation*, (3), 120-150.
<https://doi.org/10.34225/jidc.2010.3.120>

2010 **Jung, W.** (2010) The strategic partnership between Samsung Electronics and UNICEF India. *Journal of International Development Cooperation*, (1), 92-124.
<https://doi.org/10.34225/jidc.2010.1.92>

2010 **Jung, W.** (2010). Financial analysis and performance measurement of Oxfam America, *Journal of International Development Cooperation*, (2), 108-126.
<https://doi.org/10.34225/jidc.2010.2.108>

Reviews, Editorials, Exemplars

2021 **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. <https://pacificaffairs.ubc.ca/book-reviews/becoming-one-religion-development-and-environmentalism-in-a-japanese-ngo-in-myanmar-by-chika-watanabe/>

Polity Reports and Other Publications

2012 Jung, W. et al. (2012, August). *Social protection programs for the urban poor in the Global South*. Korea International Cooperation Agency.
<https://lib.koica.go.kr/search/detail/CATTOT000000035059>

2012 Jung, W. et al. (2012, October) *Development of technology inventory for ODA projects*. Ministry of Foreign Affairs, Development Cooperation Bureau.
<https://www.prism.go.kr/homepage/asmt/popup/1260000-201200048>

2012 Jung, W. et al. (2012, November) *A systematic review of evaluation reports by Korea's ODA implementing agencies*. Office of the Prime Minister, Director-General for Development Cooperation Policy.
<https://www.prism.go.kr/homepage/asmt/popup/1101000-201200025>

2011 Jung, W. & You-ah Chung (2011, January). *Strengthening the decentralized approach to aid management*. Korea International Cooperation Agency.
<https://lib.koica.go.kr/search/detail/CATTOT000000032850>

2011 Jung, W. (2011, September). *Development of content for Korea's integrated government web platform on official development assistance*. Office of the Prime Minister, Director-General for Development Cooperation Policy. <https://www.odakorea.go.kr/>

2011 Jung, W. (2011, December). *Promoting pro-poor growth: Policy guidance*. Korea International Cooperation Agency.
<https://lib.koica.go.kr/search/detail/CATTOT000000034417>

2010	<p>Jung, W. (2010, December). <i>Korean development cooperation model: Sectoral programs based on Korean experience and comparative advantage</i>. Korea International Cooperation Agency. https://lib.koica.go.kr/search/detail/CATTOT000000030860</p>
2006	<p>Bajracharya, A., Jung, W., Prabhakar, B., & Singh, D. (2006). <i>Empowerment of women from an excluded community in Bihar State</i>. UNICEF India. 57 pages. https://www.jungwoojin.org/_files/ugd/bef942_fe229bdc258489cabf645a6d875f69e.pdf</p>
<p>Conference Presentations, Lectures, Demonstrations</p>	<p>Invited Addresses</p>
2015	<p>Invited Speaker, "Targeting Urban Poverty and Food Insecurity: A Community-informed Spatial Analysis and Machine Learning Approach," hosted by the Institute of Social Welfare, Seoul National University, Seoul, Korea, September 2025.</p>
2015	<p>Invited Speaker, "Targeting Urban Poverty and Food Insecurity: A Community-informed Spatial Analysis and Machine Learning Approach," hosted by the Global Policy Lab, Stanford Doerr School of Sustainability, Stanford University, Aug 28th, 2025.</p>
2025	<p>Invited Speaker, "Targeting Urban Poverty and Food Insecurity: A Community-informed Spatial Analysis and Machine Learning Approach," Seminar at the Institute for Research on Labor and Employment, co-sponsored by the School of Social Welfare at University of California Berkeley, Aug 27th, 2025.</p>
2025	<p>Selected Presenter (Partially Funded), "Geographic targeting of food security in urban areas informed by community-driven insights," Conference on Integrated Health and Social Work, National Taiwan University, Taipei, Taiwan, May 29th, 2025.</p>
2025	<p>Selected Presenter (Fully Funded), "Contextualized poverty targeting through multimodal spatial data and machine learning in Brazzaville, Congo", The 2025 Africa Evidence Summit in Nairobi, Kenya, hosted by the Center for Effective Global Action (CEGA) at University of California Berkeley, June 23rd, 2025.</p>
2023	<p>Invited Seminar Speaker, "Using AI/ML to measure poverty and strengthen social safety net: The case of Sub-Saharan Africa and Southeast Asia", Seoul National University, Seoul, Korea. July 2023.</p>
2023	<p>Invited Seminar Speaker, "Using AI/ML to measure poverty and strengthen social safety net: The case of Sub-Saharan Africa and Southeast Asia", Seoul National University, Seoul, Korea. May 2023.</p>
2022	<p>Invited Guest Lecturer in Innovation-technology-inclusion special lecture series: Ewha Womans University, Seoul Korea, May 2022.</p>
2021	<p>Invited Guest Lecturer, "Addressing global poverty through the convergence of AI and social welfare", Sungkyunkwan University, Seoul Korea, September 2021.</p>
2021	<p>Invited Guest Lecturer in Innovation-technology-inclusion special lecture series: Ewha Womans University, Seoul Korea, April 2021.</p>
2020	<p>Invited Seminar Speaker, "Combining satellite imagery with deep learning to predict poverty in data-sparse contexts", Korea Association of International Development and Cooperation (KAIDEC) and Asia Center at Seoul National University, Seoul Korea, July 2020.</p>
2020	<p>Invited Colloquium Speaker, "Using machine learning to evaluate aid distribution", Institute of Governmental Studies, Korea University, Seoul Korea, January 2020.</p>

2012 **Invited Workshop Speaker**, “Korea’s assistance to fragile states”, East Asian Development and Human Security Workshop, Harvard University, Cambridge, MA, November 2012.

2011 **Invited Presenter**, “Korea: The road from a successful recipient to a major donor”, 4th Seoul ODA International Conference, Seoul, Korea, November 2011. Hosted by Ministry of Foreign Affairs of Korea.

Papers, Abstracts, and Lectures

2026 **Jung, W.**, Kim, A. H., Hung, Y., Clear, C., Shah, V., & Ammari, T. Digital Pulse of Development: Constructing Poverty Metrics from Social Media Discourse, Society for Social Work and Research Annual Conference (**SSWR**), Washington, DC, United States

2016 **Jung, W.**, Kim, A. H., & Shah, V. (2026, January 15). Spatial Data Science: Visualizing and Analyzing Community Needs [Workshop]. Society for Social Work and Research Annual Conference (**SSWR**), Washington, DC, United States

2025 **Jung, W.**, Sinha, A., Kim, A. H., Shah, V., Lu, Y., Lee, L., & Ammari, T. The last mile in remote sensing poverty prediction, Paper accepted for a Panel Presentation at the 2025 Association for Public Policy Analysis and Management (**APPAM**) Conference. Seattle, WA, November 13th -15th, 2025.

2025 **Jung, W.**, Hung, Y., Kim, A. H., Clear, C., Shah, V., & Ammari, T. Digital pulse of development: Generating poverty metrics from social media discourse, Paper accepted for a presentation at the 5th Association for Computing Machinery (ACM) Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (**EAAMO '25**). Pittsburgh, PA, November 5 - 7, 2025.

2025 **Jung, W.**, Sinha, A., Kim, A. H., Shah, V., Lu, Y., Lee, L., & Ammari, T. The last mile in remote sensing poverty prediction, Paper accepted for a Panel Presentation in the Reimagining Global Governance and Policymaking track at the **RISE AI Conference**, University of Notre Dame, Indiana, October 6th -8th, 2025.

2025 **Jung, W.**, Sinha, A., Kim, A. H., Shah, V., Lu, Y., Lee, L., & Ammari, T. The last mile in remote sensing poverty prediction, Association for Computing Machinery (ACM) Conference on Computing and Sustainable Societies (**COMPASS**) 2025, at the University of Toronto, Toronto, Canada, July 22nd–25th, 2025.

2025 **Jung, W.**, Sinha, A., Kim, A. H., Shah, V., Lu, Y., Lee, L., & Ammari, T. The last mile in remote sensing poverty prediction, The 2025 Symposium on Spatiotemporal Data Science, **Harvard Center for Geographic Analysis (CGA)**, Cambridge, MA. May 24th, 2025.

2025 **Jung, W.**, Stoeffler, Q., Kim, A. H., Goudarzi, S., Benotsmane, R., & Shah, V. Geographic targeting in urban areas informed by community-driven insights, 2025 Conference of the Society for Social Work and Research (**SSWR**). Paper presentation.

2025 **Jung, W.** Contextualized poverty targeting through multimodal spatial data and machine learning in Congo, 2025 Conference of the Society for Social Work and Research (**SSWR**). Poster presentation.

2024 **Jung, W.** Contextualized poverty targeting through multimodal spatial data and machine learning in Congo, Association for Computing Machinery (ACM) conference on Equity and Access in Algorithms, Mechanisms, and Optimization (**EAAMO '24**), Virtual, Poster Presentation.

2024 **Jung W.** Invited participant at the Technical Executive Committee Meeting, the 2024 United Nations Framework Convention on Climate Change (**UNFCCC**), Bonn, Germany, to discuss the “*AI for Climate Action Initiative*”.

2023 **Jung, W.**, Ghadimi S., Ntarlagiannis, D., & Kim, A. H. Using Artificial Intelligence/Machine Learning to evaluate the distribution of community development aid across Myanmar. Association for Computing Machinery (ACM) conference on Equity and Access in Algorithms, Mechanisms, and Optimization (**EAAMO '23**) at Northeastern University, Poster presentation.

2022 **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.

2022 **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 Public Policy Analysis and Management (**APPAM**), Austin, TX. March 27th, 2022.

2022 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*”, to the 2022 Conference of the Society for Social Work and Research (**SSWR**), Washington, D.C. January 16th, 2022.

2021 **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**).

2020 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 Virtual Council on Social Work Education (**CSWE**) 66th 2020 Annual Program Meeting.

2020 **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.

2019 **Jung, W.** Mapping community-led development projects: Spatial analysis in Myanmar. Poster accepted at the Geospatial Analysis for International Development in Berkeley, Berkeley, CA. (**Geo4Dev**).

2019 **Jung, W.** Mapping community-led development projects: Spatial analysis in Myanmar. Poster accepted at the 2019 Society for Social Work and Research (**SSWR**) in Washington D.C.

2019 **Jung, W.** Mapping community-led development projects: Spatial analysis in Myanmar. Poster accepted at the 2019 International Conference on Sustainable Development (**ICSD**) in New York.

2019 **Jung, W.** Mapping community-led development projects: Spatial analysis in Myanmar. Poster accepted at the 2019 Association for Public Policy Analysis and Management (**APPAM**), Denver, CO. November 7th, 2019.

2018 **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.

2018 **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.

2017 **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, UK.

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

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

2012 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

received/recommended

2026-2028 (Grant Amount: \$201,545) Developing High Resolution Harzard Vulnerability Index to Improve Community Resilience in New Jersey (Research grant recommended for funding by reviewers), Woojin Jung, Lucas Marxen, Tawfiq Ammari, Younsung Kim, Agency: National Oceanic and Atmospheric Administration (NOAA) & New Jersey Sea Grant Consortium, Role: PI (Expected decision date: November 2025)

2025-2025 (Grant Amount: \$10,000) Leveraging AI/ML in Poverty Targeting & Social Safety Net Programs. Received 2,000 GPU hours (equivalent to \$10,000) from NSF ACCESS to support our research projects., Woojin Jung, Agency: National Science Foundation (NSF), Role: PI

2023-2024 (Grant Amount: \$100,600) Assessing the Vulnerability of Climate-Induced IDP Communities and Developing Climate Resilience Models in the Philippines. Direct support of \$3,000 (₩4,055,963) from a total grant of \$100,600 (₩136,000,000),, Min-An Kang, Woojin Jung, and Younsung Kim, Agency: Korea International Cooperation Agency, Role: co-PI

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

received

2025-2026 (Grant Amount: \$20,000) Department Seed Grant, “Robust Spatial Poverty Prediction and Data-Driven Resource Allocation”, School of Social Work., Woojin Jung, Agency: School of Social Work, Role: PI

06/2012-11/2012 (Grant Amount: \$48,489) A Meta-Evaluation of Evaluation Reports by Korea’s ODA Implementing Agencies (₩ 54,549,510),
<https://www.prism.go.kr/homepage/asmt/popup/1101000-201200025>, Woojin Jung, Role: Project lead and corresponding author; conceptualized and led the proposal

2023-2025 (Grant Amount: \$10,000) Detecting Human-Interpretable Features from Satellite Imagery to Support Poverty Mapping, The Office for the Vice Provost for Research’s AI/ML Pilot Seed Grant., Woojin Jung, Agency: Office for the Vice Provost for Research (OVPR), Role: PI

2023-2025 (Grant Amount: \$50,000) Detecting Human-Interpretable Features from Satellite Imagery to Support Poverty Mapping, The Office for the Vice Provost for Research’s AI/ML Pilot Seed Grant., Woojin Jung, Agency: Office for the Vice Provost for Research (OVPR), Role: PI

2023-2024 (Grant Amount: \$25,000) Improving Distribution of Food Aid via Trustworthy Multimodal Poverty Prediction, Cyberinfrastructure & AI for Science and Society (CASS) Seed Grant., Woojin Jung, Agency: Cyberinfrastructure & AI for Science and Society (CASS), Role: PI

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.*, Woojin Jung, 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

09/2024-09/2024 (Grant Amount: \$1,717) Provided expert consultation on the Korean government's strategy to promote artificial intelligence (AI) for climate action initiatives in UNFCCC in Bonn, Germany (₩2,232,000), Woojin Jung, Agency: Korea International Cooperation Agency, Role: Consultant

06/2021-12/2011 (Grant Amount: \$48,489) A systematic review of evaluation reports by Korea's ODA implementing agencies (₩54,549,510), Woojin Jung, Agency: Korean Prime Minister's Office, Role: Project Lead and Principal Author for both proposal and report

07/2015-10/2015 (Grant Amount: \$18,005) Provide consultation services for designing and evaluating rural community development projects in Myanmar and Nepal (₩ 20,604,000), Woojin Jung, Agency: Korea Development Strategy, Role: PI

06/2013-12/2013 (Grant Amount: \$36,363) Performance Evaluation of the Lee Jong-Wook Fellowship Training (One-Year Medical Program)(Total Grant ₩45,454,000), Conducted a field survey in Laos, developed an evaluation framework, designed survey instruments, carried out survey interviews, and prepared and presented the final report., Minah Kang, Woojin Jung, Agency: Korea Foundation for International Healthcare, Role: co-PI

2013-2019 (Grant Amount: \$1,320,180) Managing Integrated Rural Development Projects in Myanmar and Nepal
Role: Conceived project, identified funding opportunity and recruited partner organization, authored and presented proposal, and developed impact evaluation design and project performance indicators (₩1,445,191,190), Woojin Jung, Agency: Korea International Cooperation Agency, Role: Lead project proposal as a lead author

07/2012-10/2012 (Grant Amount: \$35,700) Present strategies for building and utilizing a technology inventory for Official Development Assistance (ODA) projects.
<https://www.prism.go.kr/homepage/asmt/popup/1260000-201200048> (₩ 40,000,000), Woojin Jung, Agency: Korea Ministry of Foreign Affairs, Role: PI

06/2012-11/2012 (Grant Amount: \$37,383) Developed technology inventory for Korea's ODA Projects, <https://www.prism.go.kr/homepage/asmt/popup/1260000-201200048> (₩40,000,000), Woojin Jung, Seong-il Bae, Hyeong-gon Kim, Myeong-ji Park, Ah-reum Lee, Agency: Ministry of Foreign Affairs Korea, Role: PI

05/2011-08/2011 (Grant Amount: \$18,400) Development of content for Korea's integrated government web platform on Official Development Assistance (ODA) at <https://www.odakorea.go.kr/>, Acting as project lead and main author (₩19,800,000), Woojin Jung, Agency: Office of the Prime Minister, Role: co-PI (Project lead and main author)

2011-2012 (Grant Amount: \$56,250) Social protection programs for the urban poor in the Global South, <https://lib.koica.go.kr/search/detail/CATTOT000000035059>
Led proposal development, secured funding, managed research execution, conducted field work in Indonesia, the Philippines, and authored manuscript, Acting as project lead and main author (₩63,010,000), Woojin Jung, Agency: Korea International Cooperation Agency (KOICA), Role: co-PI.(Project Lead and lead author)

Teaching Activities

Courses Taught

AI/ML/Spatial Data Science for Global Development (Ph.D. Seminar), Spring 2026

Social Welfare Policy, Rutgers University, Fall 2023, Spring, 2024

Research Methods I, Rutgers University, Spring 2021, 2022, 2025

Advanced Statistical Methods II: Generalized Linear Models (Ph.D. Seminar), Rutgers University, Spring 2020, 2021, 2022, 2024

Program Evaluation, Rutgers University, Fall 2020, 2021, 2022, 2024

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

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

Curricular Development - Courses and Programs Developed

11/2022-ongoing Designed and developed an interdisciplinary Ph.D.-level course [*AI/ML/Spatial Data Science for Global Development*](#): Developed a doctoral-level instructional design emphasizing applied spatial data science for global development, including novel data sources, collaborative policy-relevant research projects, and hands-on computational training.

10/2021-10/2021 10/2021-10/2021: Outreach/Instructional Resource: Developed a YouTube tutorial on [Visual Studio Code for Azure Cloud Computing](#), in collaboration with a research assistant.

01/2021-ongoing Fully redesigned
Advanced Statistical Methods II: Generalized Linear Models, including updated course structure, instructional materials, and assessments.

2016-2016 Contributed to the textbook *International development cooperation: Advanced level* (2016). Dissemination: in Korea

Syllabi

[Advanced Statistical Methods II: Generalized Linear Models](#)

Teaching Other

2016 Quantitative Analysis & Empirical Methods (TA), Harvard University, Spring 2016.

2016 Economic Analysis of Public Policy (TA), Harvard University, Fall 2016.

Students Supervised

Master's or Doctoral Students by Type of Supervision

Doctoral - Committee

2023 Andrew H. Kim, Doctoral student in Social Work, Dissertation Committee Member, 2 hour per week, 2023 - ongoing,

2022	Maryam Hosseini, Ph.D. in Urban Systems, Served on Dissertation Committee, 1 hour per week, 2022. Dissertation title: "A walk in the city using large data sets to analyze urban sidewalks"
2022	Charles Chear, Doctoral student in Social Work, , Dissertation Committee Member, 1 hour per week, 2022 - ongoing

Service**Service to Other Public Bodies**

10/2024- Approved Puppy Raiser, The Seeing Eye Puppy Raising Program
ongoing

01/2024- Opinion Columnist of the Newspaper, eToday
12/2024

2021- The Parent and Teacher Organization for Bartle Elementary School.
2022

Service to Rutgers University

01/2025- Affiliates, Rutgers Climate and Energy Institute
ongoing

01/2025- Interviewed faculty candidate for Rutgers Global Health Institute. Rutgers Center for Climate, Health, and Healthcare

09/2024- Scholarly community affiliates, The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory

08/2024- Appointed to Critical AI @ Rutgers steering committee, School of Arts and Sciences
ongoing

05/2024- Course Coordinator for Social Welfare Policy and Services
ongoing

01/2024- Peer teaching observer for non-tenure-track faculty
01/2024

08/2023- Qualifying Exam Grader
08/2023

06/2023- Appointed to serve on the Research Advisory Committee
ongoing

01/2023- Research Advisory Committee, Rutgers School of Social Work
ongoing

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

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

Employment History**Positions Held**

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

07/2019- **Assistant Professor**, Rutgers, The State University of New Jersey,
ongoing 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 , Malcolm Wiener Center for Social Policy, 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 Coordinator, Samsung Corporation in Seoul, Korea
Editorial Activities	Editorship of Scholarly or Professional Journals
2025- ongoing	Ad-hoc Reviewer: Socio-Economic Planning Sciences
2025- ongoing	Ad-hoc reviewer , <i>Information Processing & Management</i>
2025- 2025	Paper Reviewer , 2025 Association for Computing Machinery (ACM) <i>Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO)</i>
2025- 2025	Program Committee Member , 2025 Association for Computing Machinery (ACM) <i>Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO)</i>
2024- ongoing	Ad-hoc reviewer , <i>Society for Social Work and Research</i>
2024- ongoing	Ad-hoc reviewer , <i>Scientific Report</i>
2022- ongoing	Ad-hoc reviewer , <i>European Journal of Development Research</i>
2022- ongoing	Ad-hoc reviewer , <i>Humanities and Social Sciences Communications</i>
2022- ongoing	Ad-hoc reviewer , <i>Social Indicators Research</i>
2021- ongoing	Ad-hoc reviewer , <i>Economics of Disasters and Climate Change Springer Nature</i>

2021-ongoing	Ad-hoc reviewer, <i>Social Science and Medicine</i>
2021-ongoing	Ad-hoc reviewer, <i>World Development</i>
2020-ongoing	Ad-hoc reviewer, <i>The International Review of Public Administration</i>
2020-ongoing	Ad-hoc reviewer, <i>International Journal of Social Welfare</i>

Membership on Editorial Boards of Scholarly or Professional Journals

2020-ongoing	Editorial board member of the Korean Association for Public Administration.
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Organizing and Chairing Activities

Participation in Organizing or Chairing Conferences, Workshops, and Organizations

2024-ongoing	Faculty Network Organizer & Session Chair, Association for Computing Machinery (ACM) Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO), Ithaca, New York, United States
2024-2024	Session Chair, International Conference on Inequality & Social Policy in South Korea, Korea Inequality Research Lab at Yonsei University, Seoul, Korea. August 2024.
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

Memberships, Offices And Committee Assignments In Professional Societies

2025-ongoing	Social Work AI Network (SWAN)
2023-ongoing	Association for Computing Machinery (ACM)
2018-ongoing	Society for Social Work and Research (SSWR)
2018-ongoing	Association for Public Policy Analysis and Management (APPAM)
2017-ongoing	Development Studies Association (DSA)

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)

Doctoral Completion Fellowship Award, Fall 2018 & Spring 2017. (\$18,438)

Berkeley Connect Fellowship, 2017-2018. (\$22,000)

Human Rights Center Fellowship, Human Rights Center, 2016. (\$5,000)

Professional Awards and Honors

2025 Honorable Mention, EAAMO 2025,
Digital Pulse of Development: Constructing Poverty Metrics from Social Media
Discourse (selected from 100+ submissions)

2025 2025 Rutgers Innovation Award: Social Innovation, *Robust Spatial Poverty Mapping and Efficient Resource Allocation*

2020 2020 Society for Social Work and Research Outstanding Social Work Doctoral Dissertation Award, Washington D.C.

2025 Gold Medalist, Forms Division, 2025 International Kukkiwon Open Cup; awarded official Certificate of Award by World Taekwondo Headquarters.

2018 National Science Foundation Research Traineeship Program (NRT) Grant

2018 Graduate Division Summer Grant, U.C. Berkeley Graduate Division, 2018, 2016 & 2014

2017 Development Studies Association Travel Funding

2016 Highest Honors in Graduate Research Award, Korea Association of International Development Cooperation

2014 Social Welfare Block Grant Award, U.C. Berkeley, 2014-2015

2006 Roy Family Scholarship, Harvard Kennedy School

2004 National Winner of the Influencing State Policy Contest, Council on Social Work Education

2002 Daniel Sandra Scholarship, Washington University in St. Louis

1997 Honorary Award and Scholarship for Community Services, Ewha Womans University