

# Woojin Jung

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## ACADEMIC POSITIONS

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**Assistant Professor**, Rutgers, The State University of New Jersey,  
School of Social Work, July 2019 – present

**Core Faculty**, Rutgers Global Health Institute, February 2020

## EDUCATION

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

Designated Emphasis: Development Engineering

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

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

Concentration: Political and Economic Development

*Analysis of Impact Evaluation Systems for Exim Bank's Development Assistance Loan*

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

Concentration: Social and Economic Development

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

Minor: Education Psychology

## PUBLICATIONS

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### Manuscripts published or in press

**Jung, W.** (In press, December, 2021). The discrepancy between two approaches to global poverty: What does it reveal?" *Social Indicators Research*.

**Jung, W.** (In press, December, 2021). Becoming one: Religion, development, and environmentalism in a Japanese NGO in Myanmar by C. Watanabe. *Pacific Affairs*, 94(4) [Book Review]

**Jung, W.** (2020). Two models of community-centered development in Myanmar. *World Development*, 136.

**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.

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*.

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.

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.

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.

Chun, S.-H. & **Jung, W.** (2013). Delivering aid to African agriculture: New directions. *World Agriculture*, 153(5), 55-80.

**Jung, W.** (2010). Financial analysis and performance measurement of Oxfam America, *Journal of International Development Cooperation*, 2010(2), 108-126.

**Jung, W.** (2010). The strategic partnership between Samsung Electronics and UNICEF India. *Journal of International Development Cooperation*, 2010(1), 92-124.

### **Manuscripts under Review**

**Jung, W.** (Revise and resubmit). Mapping community development projects: Spatial analysis in Myanmar. *World Development*.

**Jung, W.**, & Lin, L. (Submitted). Using satellite imagery and deep learning to evaluate aid distribution. *Plos One*

### **Manuscripts in preparation**

**Jung, W.** (Working paper). More aid to countries in need?

**Jung, W.** (Working paper). Changing aid landscape in the era of technology

Organista, K. C., **Jung, W.**, & Neilands, T. (In preparation). A Structural-Environmental Model of Alcohol and Substance Use in Latino Migrant Day Laborers

Pope, N. Nepomnyaschy L. **Jung, W.** (In preparation). The Racialized Differential Effect of Financial Capability on Material Hardship among Older Adults

### **Book Projects**

**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).

**Jung, W.** (2012). *Social protection programs for the urban poor in the Global South*. Korea International Cooperation Agency (KOICA).

**Jung, W.** (2012). *Promoting pro-poor growth: Policy guidance*. Korea International Cooperation Agency (KOICA).

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

**Jung, W.**, & Chung, Y.-A. (2011). *Strengthening the decentralized approach to aid management*. Korea International Cooperation Agency (KOICA).

**Jung, W.** (2010). *Korean development cooperation model*. Seongnam: Korea International Cooperation Agency (KOICA).

Bajracharya, A., **Jung, W.**, Prabhakar, B., & Singh, D. (2006). *Empowerment of women from an excluded community in Bihar State*. UNICEF India.

## Book Chapters

**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.

## GRANTS, AWARDS & PROFESSIONAL ACTIVITIES

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### Funded Research

- Principal investigator, Collaborative Multidisciplinary Awards, Rutgers University Research Council, "Developing AI-informed vulnerability index to target food security pack (FSP) program in Zambia", 2021 June - Present
- Principal investigator, Global Seed Grant, "Exploring scalable multimodal approaches to identify vulnerable populations in the Congo" 2021 July - Present
- Principal investigator, Microsoft, "AI for Humanitarian Action Project" Azure Grant, 2021 March – 2023 March
- Co-PI, Impact Evaluation Fund (The lead author of a \$1 million impact evaluation proposal), Korea International Cooperation Agency, 2013

### Fellowship and scholarship

- Nominated for the 2021 Microsoft Research Faculty Fellowship and the 2022 Andrew Carnegie Fellowship
- National Science Foundation (NSF) Innovations at the Nexus of Food, Water, and Energy Systems Program (InFEWS) Fellowship, 2017-2019
- NSF Research Traineeship Program (NRT) Grant, 2018
- Berkeley Connect Fellowship, U.C. Berkeley, 2017-2018
- Human Rights Center Fellowship, Human Rights Center, 2016
- Doctoral Completion Fellowship Award, Spring, 2017 & Fall, 2018
- Graduate Division Summer Grant, U.C. Berkeley Graduate Division, 2018, 2016 & 2014
- Social Welfare Block Grant Award, U.C. Berkeley, 2014-2015
- Development Studies Association Travel Funding, 2017
- Roy Family Scholarship, Harvard Kennedy School, 2006
- Daniel Sandra Scholarship, Washington University in St. Louis, 2002

### Awards

- 2020 Society for Social Work and Research Outstanding Social Work Doctoral Dissertation Award, Washington D.C. in 2020
- Highest Honors in Graduate Research Award, Korea Association of International Development Cooperation, 2016

- National Winner of the Influencing State Policy Contest, Council on Social Work Education, 2004
- Honorary Award and Scholarship for Community Services, Ewha Womans University, 1997

### Professional Activities

- Editorial board member of the Korean Association for Public Administration, 2020-present
- Ad-hoc reviewer: World Development, Social Science and Medicine, Social Indicators Research, International Journal of Social Welfare, 2020-present

## SELECTED PRESENTATIONS

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### Peer-Reviewed Presentations

- **Jung, W.** Paper “AI-Informed Vulnerability Index to Target Food Security Pack in Zambia” accepted to 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”, to 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**).
- **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**) 66<sup>th</sup> 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 (CDD) 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.

### Invited Presentations

- Lecture, “Addressing global poverty through the convergence of AI and social welfare”. 09/2021 at Sungkyunkwan University (SKKU).
- Lecture, “Data science” *Innovation-Technology-Inclusion Special Lecture Series*, in 4/2021 at Ewha Woman’s University
- Moderator, “Changing landscape of development cooperation amidst and beyond COVID-19 in Asia” in 11/2020 at Asia Foundation.
- Presenter, “Combining satellite imagery with deep learning to predict poverty in data-sparse contexts”, hosted by the Korea Association of International Development and Cooperation (KAIDEC) and Seoul National University Asia Center in 07/2020 at Seoul National University.
- Presenter, “Using machine learning to evaluate aid distribution” in 01/2020 at the Institute of Governmental Studies, Department of Public Administration, Korea University in Seoul.
- Presenter, “Promoting pro-poor growth: From concept to practice,” at the *Pro-Poor Growth and Development Cooperation: Experience and Lessons from Asia conference* in 06/2012 in Beijing. Hosted by Korea Development Institute and the Asia Foundation.
- Presenter, “Korea’s assistance to fragile states” at the *East Asian Development and Human Security Workshop* in 11/2012 in Cambridge. Hosted by Korea Institute, Harvard University.
- Presenter, “Korea: The road from a successful recipient to a major donor” at the *4th Seoul ODA International Conference* in 11/2011 in Seoul. Hosted by the Ministry of Foreign Affairs of Korea.
- Co-Chair, *Catalyzing Development: A New Vision for Aid Workshop* on 07/2010 in Washington D.C., Hosted by the Brookings Institute.

### TEACHING EXPERIENCE

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• Global Social Development and Social Work	Rutgers	Spring, 2022
• Research Methods I	Rutgers	Present
• Research Methods II	Rutgers	Present
• Advanced Statistical Methods II: Generalized Linear Models (Ph.D. Seminar)	Rutgers	Present
• 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 (GSI)	U.C. Berkeley	2014-2016
• Social Work as a Profession (GSI)	U.C. Berkeley	Spring, 2014
• Economic Analysis of Public Policy (TA)	Harvard	Fall, 2006
• Quantitative Analysis & Empirical Methods (TA)	Harvard	Spring, 2006

## RESEARCH EXPERIENCE

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### University of California Berkeley

<b>Statistician, Data Analyst</b>	Combining satellite imagery and call detailed records to measure poverty <i>Mentored by Joshua Blumenstock</i>	Big Data and Development Project	Spring, 2019
	Income support program and employment trajectories among single-mother families <i>PI: Yu-Ling, Chang</i>	Funded by Institute for Research on Labor and Employment	01-08, 2018
	Trace the digital fingerprints of impact evaluation studies <i>PI: Woojin Jung</i>	Berkeley Institute of Data Science, Center for Effective Global Action	2015-2016

### Malcolm Wiener Center for Social Policy at Harvard University

<b>Data Analyst</b>	Development of indicators to measure improvement in the quality of justice <i>PI: Christopher Stone</i>	Criminal Justice Policy and Management	2007-2008
	The effect of workplace policy on family caregiving and community <i>Co-PI: Alison Earle, Robert Putnam</i>	School of Public Health & Harvard Kennedy School	

## SELECTED PROFESSIONAL EXPERIENCE

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<b>Evaluation Specialist</b>	<p>Designed impact evaluation of community development projects in Myanmar and conducted a feasibility study in Cambodia <i>Co-PI: Seung-Hun Chun &amp; Woojin Jung</i></p> <p>Evaluated training programs for health care professionals from Laos, Tanzania, and Vietnam <i>PI: Minah Kang</i></p>	<p>KOICA &amp; KDI</p> <p>Korea Foundation. International Healthcare</p>	2013-2015
<b>Korea Institute for Development Strategy (KDS) in Seoul</b>			2012-2013
<b>Senior Researcher</b>	<p>Led development research projects</p> <ul style="list-style-type: none"> <li>· A Meta-analysis of Aid Evaluations</li> <li>· Supporting Credit Cooperatives in Cambodia and Myanmar</li> <li>· Identifying Korea's Priority Aid Policy</li> </ul> <p><i>Co-PI: Seung-Hun Chun &amp; Woojin Jung</i></p>	<p>Commissioned by the Prime Minister's Office &amp; the Ministry of Foreign Affairs and Trade</p>	
<b>Graduate School of International Studies at Ewha Womans University</b>			2011-2012
<b>Research Fellow</b>	<ul style="list-style-type: none"> <li>· Cross-national Comparative Analysis of the Effectiveness of Development Assistance <i>PI: Eun-Mi, Kim</i></li> <li>· Created an inter-governmental aid information platform, Odakorea <i>Co-PI: Eun-Mi, Kim, Woojin Jung</i></li> </ul>	<p>National Research Foundation of Korea</p> <p>Prime Minister's Office</p>	
<b>Korea International Cooperation Agency (KOICA) in Seongnam</b>			2009-2011
<b>Senior Policy Analyst</b>	<p>Analyzed OECD country's development aid policies and produced policy reports <i>PI: Woojin Jung</i></p>	<p>Policy Research Division</p>	
<b>UNICEF Division of Policy and Planning in New York</b>			2007-2008
<b>Data Analyst</b>	<ul style="list-style-type: none"> <li>· Reviewed reports prepared by a Global Study on Child Poverty country teams</li> <li>· Assessed gender and human rights mainstreaming in country programs</li> </ul>	<p>Socio-Economic Analysis Unit</p> <p>Gender and Rights Unit</p>	

**The Korean Community Service Center of Greater Washington**

2002-2004

**PR Officer**      Raised funds through a United Way  
combined federal campaign, web site  
management, and community outreach

**Samsung Corporation in Seoul**

**CSR staff**      Developed Samsung's corporate social  
responsibility (CSR) strategies

1998-1999

PROFESSIONAL AFFILIATIONS

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