

# Hyunjoo Yang

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## Research

Development and growth issues of South Korea

## Education

Ph.D. in Economics, Brown University 2016.

M.Sc. in Economics, London School of Economics 2010.

B.A. in Trade and Commerce, Incheon National University 2008.

## Appointments

*Sep. 2021 - present:* Associate professor, College of Economics, Sogang University

*Jan. 2022 - present:* Affiliated faculty, Graduate School of Artificial Intelligence, Sogang University

*Mar. 2020 - Aug. 2021:* Assistant professor, College of Economics, Sogang University

*Sep. 2017 - Feb. 2020:* Assistant professor, School of Northeast Asian Studies, Incheon National University, South Korea

*Sep. 2016 - Aug. 2017:* Associate fellow, Korea Development Institute, South Korea

*May 2013 - July 2013:* Short-term consultant, World Bank

*June 2009 - Aug. 2009:* Research scholar, International Crops Research Institute for the Semi-Arid Tropics, India

## Publications - Economics

The effects of South Korean Protestantism on human capital and female empowerment, 1930–2010, **2023, Journal of Comparative Economics**  
(with Yutaro Izumi and Sangyoon Park)

To move or not to move? The impact of immigration influx on natives' neighborhood choices in Seoul, Korea, **2022, Journal of Economic Geography**, 22(4)  
(with Joseph Han, Jinwook Hur and Jongkwan Lee)

Social insurance in an aging population: Impacts of a government transfer program in South Korea, 2021, **Economic Development and Cultural Change**, 69(4)  
(with Kanghyock Koh)

Is there regional inequality in medical accessibility of the severely injured? Application of driving time data in South Korea, 2020, **Journal of Market Economy**, 49(1)  
(with Elliot Kang, Min Gyung Kim and Kanghyock Koh)

Family clans and public goods: Evidence from the New Village Beautification Project in South Korea, 2019, **Journal of Development Economics**, 136  
- Korean Economy Academic Research Award, Korean Economic Association

## **Publications - Political Science**

In strongman we trust: The political legacy of the New Village Movement in South Korea, 2022, **American Journal of Political Science**  
(with Jean Hong and Sunkyoung Park)

## **Publications - Multidisciplinary Sciences**

Measuring economic development in North Korea: Human-machine collaboration using satellite imagery, **Nature Communications**, (accepted)  
(with with Donghyun Ahn, Jeesurk Yang, Sungwon Han, Sungwon Park, Susang Lee, Jihee Kim, Sangyoon Park, and Meeyoung Cha)

Disaster assessment using computer vision and satellite imagery: Applications in detecting water-related building damages, 2022, **Frontiers in Environmental Science**  
(with Danu Kim, Jeongkyung Won, Eunji Lee, Kyung Ryul Park, Jihee Kim, Sangyoon Park and Meeyoung Cha)

## **Publications - Hospitality and Tourism**

Effects of visual cues and social density on beverage consumption: A Field experiment in a bar, 2022, **Cornell Hospitality Quarterly**, 63(2)  
(with Min Gyung Kim and Anna Mattila)

Persistent effects of mega-events on local economies: An application of administrative big data, 2021, **Asia Pacific Journal of Tourism Research**, 26(12)  
(with Min Gyung Kim)

The impact of customer loyalty on restaurant sanitation grades and the importance of narrative information: The case of New York Restaurant Sanitation Grading System, 2018, **Cornell Hospitality Quarterly**, 59(3)  
(with Min Gyung Kim and Anna Mattila)

## Computer Science Conference Proceedings

Learning economic indicators by aggregating multi-level geospatial information, **2022, Proceedings of the Association for the Advancement of Artificial Intelligence (AAAI) 2022 Conference**

*(with Sungwon Park, Donghyun Ahn, Sungwon Han, Eunji Lee, Danu Kim, Jeasurk Yang, Susang Lee, Sangyoon Park, Jihee Kim and Meeyoung Cha)*

Learning to score economic development from satellite imagery, **2020, Proceedings of the Association for Computing Machinery (ACM) SIGKDD 2020 Conference on Knowledge Discovery and Data Mining (KDD)**

*(with Sungwon Han, Donghyun Ahn, Sungwon Park, Jeasurk Yang, Susang Lee, Jihee Kim, Sangyoon Park and Meeyoung Cha)*

## Working Papers

Using maps to predict economic activity, *with Imryoung Jeong*

Did high speed trains promote local economic activities?: Evidence from the introduction of Korea Train Express, *with Elliot Kang and Kanghyock Koh*

The effect of war on local collective action: Evidence from the Korean War

Do education levels of village leaders matter? *with Taejong Kim and Sunjin Kim*

Did land pre-sale right before the agricultural land reform undermine the distributional effect of the reform?: Evidence from Korea, *with Jongryong Park*

## Professional Activities

Chair of the graduate program, College of Economics, Sogang University (2022-present)

Recruiting Committee for tenure-track faculty, College of Economics, Sogang University (2021-2022)

Chair of Korea Trade and Commerce Major, School of Northeast Asian Studies, Incheon National University (2019-2020)

Commissioned Admission Officer, Incheon National University (2019-2020)

Hiring Committee for tenure and non-tenure track faculty, School of Northeast Asian Studies, Incheon National University (2019)

Admissions Committee, Korean Trade and Commerce Major, School of Northeast Asian Studies, Incheon National University (2018 – 2019)

Admissions Committee, Northeast Asia Trade and Commerce Major, School of Northeast Asian Studies, Incheon National University (2017 – 2019)

Referee for *European Journal of Development Research*, *International Economic Journal*, *Journal of Comparative Economics*, *Journal of Cultural Economics*, *Journal of Development Effectiveness*, *Journal of Economic Development*, *Journal of Economic Growth*, *Journal of Economic Theory and Econometrics*, *Journal of Market Economy*, *Journal of Poverty Alleviation and International Development*, *Journal of Urban Economics*, *KDI Journal of Economic Policy*, *Korean Economic Forum*, *Korean Economic Review*, *Korean Journal of Public Finance*, *PLOS One*, *Oxford Bulletin of Economics and Statistics*, *Oxford Economic Papers*, *Seoul Journal of Economics*, *World Development*

## Conference and Seminar Presentations

2023: Brown University Economics Department Growth Breakfast; Chonnam National University; Harvard University International Conference on the Tools of the Trade: The Way Forward; Korea Advanced Institute of Science and Technology; Korea Institute for International Economic Policy; Korea Institute of Public Finance; Korea's Allied Economic Associations Annual Meeting; Soongsil University; Yale University Data Intensive Social Science Center Workshop (scheduled)

2022: Asia Meeting of Econometric Society; IBS Winter School on AI-Boosted Basic Science; ITC and International Development Forum; Kobe University Rokko Forum; Korea University CIS-GSIS Global Inaugural Seminar; Korea's Allied Economic Associations Annual Meeting (Korean Economic History Society session); MIT Center for Real Estate Workshop on Machine Learning and Social Science; Satellite Application Conference; Seoul National University H-Trio Seminar; SKKU Economics Department Seminar; SNU-UC San Diego Joint Webinar; The 10th Anniversary Conference of K-Developedia; The Korean Historical Association Conference

2021: KAEA Applied Micro Seminar; KAIST AI + X Forum, Meet the Data Scientists; Korea Foundation for Advanced Studies; Korea's Allied Economic Associations Annual Meeting; Korean Economic Association North Korean Economy Policy Forum; Kyunghee University Economics Department Seminar

2020: ASSA San Diego; Econometric Society World Congress; Hitotsubashi University IER; KER International Conference; Korea University Economics Department Seminar; Osaka University ISER; Seoul National University

2019: Hanyang University; History and Development Network Monthly Meeting; Institute for Basic Science; KDI School of Public Policy and Management; Korea Academic Society of Industrial Organization Monthly Meeting; Korea Aerospace Research Institute; Korea Economic History Society Meeting; Korea University Institute of Governmental Studies; Korea University Economics Department Seminar; Seoul National University Workshop on Experimental Economics and Development Economics; Sogang University; University of Seoul; University of Tokyo; Yonsei University

2018: Asian and Australasian Society of Labour Economics; Asian Development Bank Institute; Asian Historical Economics Conference; Asian Real Estate Society Annual Conference; Association of Korean Economic Studies International Conference; Hong Kong University of Science and Technology; International Symposium on

Quantitative History; Korean Association of Public Finance Monthly seminar; Korean Economic Meetings of Macroeconomics; Korean Economic Association International Conference; National Graduate Institute for Policy Studies; Royal Economic Society Conference; University of Hong Kong

2017: Asian and Australasian Society of Labour Economics; Asian Meeting of the Econometric Society; Incheon National University; KDI School of Public Policy and Management; Korea Academic Society of Industrial Organization Fall Meeting; Korea Development Institute; Korea Economic History Society Meeting; Korea's Allied Economic Associations Annual Meeting; Korean Labor Economic Association Monthly Seminar; Korean Resource Economics Association Monthly Seminar; Pusan National University; Seoul National University Applied Micro Workshop; Sogang University; Western Economics Association International Conference; Yonsei University at Wonju

2016: Bank of Korea; KDI School of Public Policy and Management; Korea Development Institute; Korea Economic Research Institute; Korea University; Seoul National University; University of Hawaii Asian Studies Graduate Student Conference; Western Economics Association International Conference

2013-2015: Brown University, Department of Economics, Macroeconomics Seminar; Macroeconomics Lunch Seminar; Urban Lunch Seminar

## Grants

2023-2025: NRF-JSPS International Cooperation Grant

2022-2023: Sogang University's Joint Graduate Student Seminar Grants for 3 Universities (Sogang, Ewha, and Yonsei). Co-organizers: Hee-Seung Yang (Yonsei) and Jongkhwan Lee (Ehwa)

2022: AI Data Voucher Grant by Korea Data Agency (Social Issue Track)

2022-2023: International Collaborator for the MIT International Science and Technology Initiatives Global Seed Funds, "Leveraging US Damage Data to Estimate AI Based Hurricane Damage" (PI: Siqi Zheng, MIT)

2022-2024: National IT Industry Promotion Agency Sponsorship for GPU Servers for Machine Learning Projects

2022-2023: Co-investigator for UK and South Korea Social Science, Arts and Humanities Connections Grant by the Economic and Social Research Council, United Kingdom, "Deciphering the Miracle on the Han: Lessons for the World on How South Korea Escaped Poverty and Transformed its Economy" (PI: Robin Burgess, LSE)

2022-2023: Co-investigator for Structural Transformation and Economic Growth (STEG) Small Research Grant by the Foreign, Commonwealth, and Development Office, United Kingdom, "Deciphering the Miracle on the Han: Lessons for the World on How South Korea Escaped Poverty and Transformed its Economy" (PI: Robin Burgess, LSE)

2022-2023: European Space Agency's Network of Resources Sponsorship for Access to High-Resolution Satellite Datasets "Predicting Poverty Using Satellite Images and Machine Learning"

2021-2024: National Research Foundation of Korea Research Grant #2021013631 "Multidisciplinary Study of Korean Economic History Using Machine Learning: Case of 1940-50 Korean Land Reform"

2021-2024: National Research Foundation of Korea Research Grant #2021069641 "Predicting Regional Income and Wealth Inequality of South Korea for the Last 100 years Using Geospatial Data and Machine Learning"

2021-2023: Nam Duck Woo Economic Research Institute Long-term Research Grant

2020-2023: Sogang University New Faculty Research Fund

2018-2019: KDI School Research Grant for Empirical Research in Korean Economic Development History

2018-2019: Incheon National University Long-term Research Fund

2017-2018: KDI School Research Grant for Empirical Research in Korean Economic Development History (with Taejong Kim and Sunjin Kim)

2017-2018: Incheon National University New Faculty Research Fund

## **Fellowships and Awards**

2022: Research Excellence Award, Sogang University

2021: Teaching Excellence Award for Large Lecture Classes, College of Economics, Sogang University

2020: Korean Economy Academic Research Award, the Korean Economic Association

2020: Academic Research Award, Incheon National University

2016: Best Paper Award in Korean Studies, University of Hawaii at Manoa, School of Pacific and Asian Studies, Graduate Student Conference

2015-2016: Brown University Dissertation Completion Proposal Award

2010-2011: Brown University Economics Department Doctoral Fellowship