

Yumin Hong

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Education

Ph.D. in Economics, University of Texas at Austin	2020 -
M.A. in Economics, Ewha Womans University, South Korea	2017 - 2020
B.A. in Economics, Ewha Womans University, South Korea	2013 - 2017

Research Fields

Environmental Economics, Health Economics, Applied Microeconomics

Job Market Paper

"The Psychological Toll of Heat: The Effects of Temperature on Mental Health in Mexico," *Job Market Paper*, with Antonia Vazquez

We show that higher temperatures increase emergency department visits for mental health issues, especially for mood and substance use disorders, and elevate suicide rates and deaths. Self-reported measures of life dissatisfaction and distress worsen during hotter periods. People reduce physical activity and shift to sedentary behaviors, but no significant impacts on quantity of sleep were observed. We also present evidence that the impact of heat was mitigated in localities with access to psychiatrists.

— Presenting at Economics of Mental Health Workshop 2025 | Presented in the 2025 AERE Summer Conference Poster Session | WEAI 2025 Graduate Student Workshop fellowship | First Place Award in 2025 CHEER Research Retreat Poster Session | Best Student Poster Award at 2024 Development Economics Workshop | SSRN Working Paper #5086299

Peer-Reviewed Publications

Peer Reviewed Publications in Economics

"Heat and Humidity on Early-life Outcomes: Evidence from Mexico," *Journal of Environmental Economics and Management*, 129, January 2025.

I provide evidence on the detrimental effect of in utero exposure to heat and humidity on children's health at birth in a middle-income country, Mexico. The combined effects of humidity and high temperature on birth outcomes are greater than that of high temperature alone, suggesting that the damaging effects of high temperature can be underestimated when humidity is not accounted for. I also present evidence that the adverse effects of heat on health at birth can be mitigated by adopting air conditioning.

— Presented in the 2023 AERE Summer Conference Poster Session | Best Student Poster Award at 2023 STATA Empirical Microeconomics Conference | SSRN Working Paper #4685781

"Do ICT Investments Decrease Firm Size? A Firm-level Study on Manufacturing Sector," *Journal of Industrial Economics and Business*, 33(1), February 2020, with Sang Taek Kim.

Peer Review Publications in Public Health

"Explaining Ethnic Disparities in Telehealth Use with Different Levels of English Proficiency: A Decomposition Approach," *Forthcoming at Telemedicine Reports*, with Nari Yoo and Yoonyoung Choi.

"The Unequal Weight of COVID-19 pandemic: National Trends in Body Mass Index among Korean Adolescents by Immigrant-origin and Gender from 2013 to 2022," *International Journal of Adolescence and Youth*, 29(1), August 2024, with Nari Yoo and Yoonyoung Choi.

— 2023 Migration Policy Research Award from Migration Research and Training Centre, Korea

"Immigrant-origin youths at risk: Trends in suicidal behaviors among Korean adolescents by immigrant origins and ethnic options (2011–2019)," *Journal of Affective Disorders*, 321, January 2023, with Nari Yoo and Yoonyoung Choi.

Selected Work in Progress

"Temperature, Stigma, and Treatment Choice: Evidence from Mental Health Services in Mexico," with Sandra Aguilar-Gomez

– A recipient of the Institute for Humane Studies Grant

"Depression Remission and Weather Sstressors," with Manuela Angelucci and Antonia Vazquez

"Bordering Heat: Institutional Differences and Health Impacts of extreme temperatures across the U.S.-Mexico Border," with Fidel Gonzalez

"The Effect of Methane Regulation on Landfill Compliance Nehavior"

– Presenting at the 95th Southern Economics Association Annual Meeting | Presented in the 100th WEAI Annual Conference

Research Experience

Graduate Research Assistant - UT Austin

"Evaluation of an Alternative Response Model for Child Maltreatment in Texas" 2025.8-12

- Advisors: Drs. Mary Evans & Katherine Rittenhouse & 2024.6-8

"The Long-Term Impact of Pharmacotherapy in India" 2025.1-5

- Advisors: Drs. Manuela Angelucci & Daniel Bennett

"Exploring the Role of Private Healthcare Markets within a Universal Healthcare System 2022.7- 2023.5
in Norway" - Advisor: Dr. Victoria Marone

Research Assistant

- For Dr. Sangtaek Kim | Ewha Womans U. 2019.11 - 2020.2

- At Center for Gender-inclusive Data | Korean Women's Development Institute 2019.7

- For Dr. Inbae Kim | Ewha Womans U. 2017.7 - 2019.6

Teaching Experience

Teaching Assistant - UT Austin 2020.9 -

Energy and Environmental Economics ('25 Fa, '24 Fa); Introduction to Microeconomics ('25 Sp, '23 Su); Urban Economics and Policy ('24 Sp); Introduction to Econometrics ('23 Fa, '22 Fa, '21 Sp, '20 Fa); Microeconomic Theory ('23 Sp, '22 Sp); Economics of Auctions ('21 Fa)

Instructor - Texas Prison Education Initiative 2024.1 - 2024.12

Introduction to Economics ('24 Fa); Introduction to Mathematics ('24 Sp)

Guest Lecturer

Energy and Environmental Economics | UT Austin 2025.9

Urban Economics and Policy | UT Austin 2024.4

Teaching Assistant - Ewha Womans U. 2018.3 - 2019.12

International Trade (x3); Industrial Organization (x2); Microeconomics; Principles of Economics

Invited Seminars and Conference Presentations

2025	SEA 95th Annual Meeting (2025.11); Economics of Mental Health Workshop 2025 (2025.9); 100th WEAI Annual Conference; AERE 2025 Summer Conference*; CHEER (Center for Health & Environment: Education & Research) Research Retreat*; Sam Houston State University Applied Micro Seminar
2024	30th Camp Resources Workshop; AERE at WEAI 99th Annual Conference; Development Economics Workshop*; AERE at EEA 50th Annual Conference
2023	SEA 93rd Annual Meeting; 2023 Sloan/Berkeley EEE Summer Camp; AERE 2023 Summer Conference*; 2023 Texas Applied Microeconomics Student (TEAMS) Workshop; STATA Texas Empirical Microeconomics Conference* (* denotes poster)

Service

Society of Women in Economics (SoWE) - UT Austin

▫ Founding member & leadership board	2022.9 - 2025.1
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Volunteer Works

▫ Texas Prison Education Initiative (TPEI) via Texas Department of Criminal Justice	2024.1 - 2024.12
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Referee Service

Journal of Economic Behavior & Organization, Feminist Economics, Journal of Immigrant and Minority Health,
Abstracts reviewer for AERE@WEAI, AERE 2025 Summer Conference

Fellowship and Awards

2025	Institute for Humane Studies Grant (\$1,000) Institute for Humane Studies
2025	UT Austin Graduate School Summer Excellence Fellowship (\$9,000) Graduate School UT Austin
2025	AERE Summer Conference Travel Scholarship (\$500) Association of Environmental and Resource Economists (AERE)
2025	WEAI 2025 Graduate Student Workshop Fellowship Western Economic Association International
2025	First Place Award - 2025 CHEER Research Retreat Poster Session (\$200) Center for Health and Environment: Education and Research (CHEER) UT Austin
2024	Summer Research Fellowship - Outstanding Student (\$4,000) Nomination from the Faculty of Department of Economics UT Austin
2023	Sloan/Berkeley Summer School in Environmental and Energy Economics (EEE) Fellowship (\$900) UC Berkeley
2023	Migration Policy Research Award (\$1,000) Migration Research and Training Centre Korea
2018	Excellent Ewhain Scholarship (\$1,000) Ewha Womans U. Korea
2017	ISTANS Paper Competition (\$1,000) Ministry of Trade, Industry & Energy + Korea Institute for Industrial Economics & Trade Korea
2016	Climate Change Academy 2016 - Best Participant National Assembly Korea
2015	Ewha Global Frontiers Scholarship (\$5,000) Ewha Womans U. Korea

Other

Software	Stata, Python, QGIS
Language Proficiency	English, Korean, Spanish (beginner)
Citizenship	South Korea (F1 Visa)

References

Dr. Manuela Angelucci
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Dr. Scott E. Carrell
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