

# Hee Soo Kim

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## FIELDS OF INTERESTS

Empirical Macroeconomics, Climate Change, Applied Time-Series Econometrics

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## EDUCATION

- Ph.D.** Economics, Indiana University, *expected May 2025*  
*Main advisor:* Prof.Christian Matthes  
*References:* Prof.Yoosoon Chang, Prof.Laura Liu (Pitt), Dr.Toan Phan (Richmond Fed)
- M.A.** Statistics, Ewha Womans University, *2018*
- B.A.** Economics (*Summa Cum Laude*), Ewha Womans University, *2015*

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## PUBLICATIONS

- “Severe Weather and the Macroeconomy” with Christian Matthes and Toan Phan (*AEJ:Macro, forthcoming*)
- “Forecast of realized covariance matrix based on asymptotic distribution of the LU decomposition with an application for balancing minimum variance portfolio” with Dong Wan Shin, *Applied Economics Letters* (2019)

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## WORKING PAPERS

“Heterogeneity in the Economic Impact of Temperature Shocks Across US States” (**Job Market Paper**)

*Abstract:* This paper investigates the heterogeneous effects of seasonal temperature shocks across US states using quarterly state-level real GDP (RGDP) growth and inflation data. Overall, the results show that by seven quarters after the temperature shock, the sign of responses become synchronized: negative RGDP growth responses to warm season shocks and positive inflation responses to cold season shocks. Furthermore, the asymmetric seasonal effects are more pronounced in the RGDP responses than in inflation. Additionally, the findings reveal that temperature shocks affect the economy through both supply and demand-side, with negative supply-side effects emerging as the most prominent channel across seasons. A decomposition of inflation into tradeable and nontradeable goods show that tradeable goods inflation exhibits much more synchronized movements, while responses of non-tradeable inflation are state-specific. Variations in state-level responses are explained by geographical factors, sectoral shares of manufacturing and services along with average temperature.

“On the Macro Impact of Extreme Climate Events in Central America: A Higher Frequency Investigation” with Carlos Chaverri ; Emilio William Fernandez Corugedo ; Pedro Juarros, *IMF Working Paper No. 2022/237* (2022)

“Are the Effects of a US Financial Shock on non-US Countries Asymmetric?”

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## PROFESSIONAL EXPERIENCES

Referee: Environmetrics

Summer Intern at the International Monetary Fund (Western Hemisphere Department) Summer 2022

## CONFERENCES AND SEMINARS

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(\* denotes presentation, otherwise co-author attendee)

2024 (including scheduled): Macro Brownbag (Indiana University)\*, Midwest Economics Association Conference\*

2022: IMF Departmental Seminar (WHD)\*

2021: Richmond Fed Brownbag, CEBRA Annual Meeting, Econometrics Models of Climate Change Conference (EMCC), IWH Environmental Macro Workshop, (EC)<sup>2</sup> Conference, Climate Reading Group\*, Macro Brownbag (Indiana University)\*

2020: Hoosier Economics Conference (Indiana University)\*, Macro Brownbag (Indiana University)\*

## TEACHING & RESEARCH EXPERIENCE

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### Indiana University

Instructor	Econometric Theory & Practice II (Graduate)	SP23
	Statistical Analysis for Business & Economics	FA19 - SP22
RA	for Prof. Christian Matthes	Summer 2020
GA	Introduction to Microeconomics	FA18

### Ewha Womans University

TA	Statistics for Management and Economy	Sep 2015 - Dec 2016
	Matrix Algebra	
	Statistics II	

## HONORS, AWARDS, SCHOLARSHIPS, AND FELLOWSHIPS

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Alumni Associate Instructor Award for Excellence in Teaching, <i>Indiana University</i>	Spring 2024
H H Crawford Graduate Top-up Fellowship, <i>Indiana University</i>	Spring 2023
Lloyd Orr Dissertation Fellowship (first-time recipient), <i>Indiana University</i>	Fall 2022
Department of Economics Graduate Assistantship, <i>Indiana University</i>	2018-present
Top-up Fellowship, <i>Indiana University</i>	2018-2019
2nd prize Poster Award, Korea Statistical Society Conference	2017
Admissions Scholarship, <i>Ewha Womans University</i>	2015-2017
Brain Korea 21, <i>Ewha Womans University</i>	2015-2017
Honors Scholarship, <i>Ewha Womans University</i>	2011-2015

## SKILLS

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Computations: Matlab, R, Stata, Python

Language: Korean(native), English(fluent)