

Seojin Jung

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Placement Directors

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Education

Ph.D., Economics, University at Albany (SUNY), expected May 2026.

M.A., Economics, Ewha Womans University, KOREA, 2018.

B.A., Economics, Ewha Womans University, KOREA, 2009.

Fields of Specialization and Interest

Primary (Specialization): Macroeconometrics; Time Series; Applied Macroeconomics

Secondary (Interest): Development Economics; International Trade; Monetary Economics

Dissertation

Essays on Impulse Responses and Model Averaging

Committee: Prof. Ulrich Hounyo (Chair), Prof. Kajal Lahiri, Prof. Daiqiang Zhang

Job Market Paper

State-Dependent Impulse Responses under Uncertainty

This paper studies the finite-sample behavior of state-dependent impulse response estimators under uncertainty. I start from a design where the true data generating process and its transition rule are known, then add misspecifications step by step. The target impulse response is defined in a potential outcome framework, while estimation relies on prediction-based methods. Performance is evaluated by the continuously ranked probability score (CRPS) across single estimators and model-averaging schemes.

Simulations show that CRPS is mainly determined by the transition process and the shock size. As shocks grow, LP estimators tend to outperform, though truncated-lag VARs can remain competitive. Bayesian and plain or bias-corrected estimators often move in opposite directions. A simpler transition process can lower errors when the true rule is noisy, while imposing linearity on a nonlinear process can produce distortions.

In the empirical analysis with three inflation-related regimes, uncertainty shocks are state dependent and build more slowly in favorable states, whereas monetary shocks show little state dependence.

• Main paper link • Online Appendix link.

Working Papers

- Two-stage Model Averaging for Impulse Responses: Local Projections and VARs-based Approaches (with Ulrich Hounyo). June. 2025.
- State-Dependent Impulse Responses under Uncertainty (solo). Oct. 2025.

Working in Progress

- To be completed.

Research and Relevant Experience

- Predicting Korean Recession with Binary Probit Model (Master dissertation), 2018
- Research Assistant, Prof. Jin Lee (Econometrics), Ewha Womans University, Fall 2017, Fall 2016
- Research Assistant, Prof. Inbae Kim (International Trade), Ewha Womans University, Fall 2015
- Internship, Export-Import Bank of Korea, Credit Rating Office, February–August 2013

Teaching (Instructor)

- Economics of Development, Summer 2023 – Current
- Principles of Microeconomics, Fall 2022
- Stata in Econometrics class (Ewha Womans University, graduate), Fall 2016

Presentations

- 2025: SEA Annual Meeting (scheduled), Florida.
- 2025: Albany Showcase, University at Albany, NY.

Grants and Awards

- SEA graduate student award, 2025.
- Graduate Fellowship, Department of Economics, 2020–2023.

Software and Skills

- **Programming:** MATLAB (Proficient), Stata, Latex.
- **Methods:** Local Projections; VARs; State-dependent impulse responses; Forecasting; bootstrap; Bayesian.
- **Data:** FRED, BLS, BEA; Reproducible research workflow.

Languages

English (fluent), Korean (native)

References

Prof. Ulrich Hounyo University at Albany | khounyo@albany.edu | (518) 442-4759

Prof. Kajal Lahiri University at Albany | klahiri@albany.edu | (518) 442-4758

Prof. Daiqiang Zhang University at Albany | dzhang6@albany.edu | (518) 442-4748