

Dahyun Choi

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EDUCATION

- Princeton University** *expected May 2026*
Ph.D. Candidate, Politics
[Graduate Certificate in Statistics & Machine Learning](#)
Committee: Nolan McCarty (Chair), Brandon Stewart, Charles Cameron
Dissertation: Essays on the Strategic Use of Information
- Duke University** 2018
M.A. in Political Science
- Catholic University of Korea** 2016
B.S. in Economics & B.A. in International Studies, *Summa Cum Laude*

PUBLICATIONS

2. Choi, Dahyun, Denis Peskoff, and Brandon Stewart. [“Fine-tuned Large Language Models Can Replicate Expert Coding Better than Trained Coders: A Study on Informative Signals Sent by Interest Groups.”](#) *Political Science Research and Methods*, February 2026.
1. Choi, Dahyun. [“Why Interest Groups With Divergent Goals Collaborate: Evidence From Climate Regulation.”](#) *Economics and Politics*, March 2026, 62(1): 46–61.

SELECTED WORKING PAPERS

- ◊ [“Application of Scientific Research in Policymaking Is Shaped by Partisan Bias, Yet High-Impact Studies Remain Resilient”](#) (Revised & Resubmitted at *American Journal of Political Science*)
- ◊ [“How Much Data Is Enough? A Design-aware Approach to Empirical Sample Complexity”](#) (with Perry Carter; Revised & Resubmitted at *American Journal of Political Science*)
- ◊ [“When Algorithms Govern: Ideology and the Safeguards of Government AI”](#)
- ◊ [“Innovation by Design: Legislative Influence and the Direction of Federal R&D”](#)
- ◊ [“Politics of Academic Experts: Evidence from Antitrust Regulations”](#) (with Nolan McCarty)
- ◊ [“Lobbying and the Strategic Production of Environmental Data”](#)
- ◊ [“Interest Group Ecologies and Ideological Niches”](#) (with Charles Cameron)

STATISTICAL SOFTWARE

- ◊ [scR: A Design-aware Approach to Empirical Sample Complexity](#) available through the Comprehensive R Archive Network and GitHub Repository