Kyungtae Park

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RESEARCH INTERESTS

Causal Inference, Partial Identification, Observational Studies, International Relations, Trade Politics

EDUCATION

Stanford University	*2022 – present*
Ph.D. in Political Science	
Seoul National University	*2020 – 2022*
M.A. in International Relations	
Seoul National University	*2013 – 2020*
Bachelor of Business Administration	
Minor in International Relations, Combined Minor in Financial Economics	

WORKING PAPERS

Shift-Share Designs in Political Science

Shift-share designs are gaining popularity in political science. This article introduces what shift-share designs are, reviews their application in the literature, synthesizes recent methodological developments, and discusses their potential utility in the field. Although shift-share designs have a long historical use in economics, their causal properties only recently began to be understood. Articles in political science tend to be aware of these developments, but do not fully discuss and test identifying assumptions and sometimes apply the methods incorrectly. Most articles rely on the share exogeneity framework, suggesting that the shifter exogeneity framework is underutilized. I illustrate the shifter exogeneity framework by replicating Colantone and Stanig (2018) and present auxiliary theoretical results that are potentially useful in political science applications of the framework.

Sharp Bound for Average Treatment Effects with Monotone Instrument Variables

This article analytically derives the sharp bound of the Average Treatment Effect under the monotone instrumental variable and the monotone treatment response assumptions. While delivering the proof, this paper also identifies the gap in the existing results for the sharp bound of arm-specific means and provides a thorough proof. The result can be readily extended to other inequality constraints on the outcomes such as the conditional monotone treatment selection assumption. While this correction does not have as much practical importance, it advances our theoretical understanding of how much identifying power different types of monotone assumptions have.

PROJECTS UNDER PROGRESS

Sensitivity Analysis under Confoundedness in Small Data

Causal Estimands in Panel Data (with Yiqing Xu)

Consumer-Driven Trade Politics

Revisiting Constituency Size: Size, Heterogeneity and Trade Policy Preferences

SELECTIVE TRAINING & COURSES

Theory of Statistics (PhD), Causal Inference, Advanced Econometrics, Multivariate Analysis
International Relations, International Political Economy, International Economics, Microeconomics

AWARDS AND SCHOLARSHIPS

Korea Foundation for Advanced Studies (2022-)
Yongwoon Scholarship Foundation (2020-2021)
Daelim Suam Scholarship Culture Foundation (2014, 2017-2019)
Korea Student Aid Foundation (2013)

RESEARCH EXPERIENCE

SNU Large–Scale Inference Center   *Aug. – Oct. 2020*
    Research Assistant for Prof. Woncheol Jang, Sang Heon Lee, Jong Hee Park   *Seoul, Korea*
    Estimated ideal points of the Korean Constitutional Court justices.
    Developed an ideal point estimation method blended with text analysis.

SNU IR Data Center   *Jun. – Sep. 2020*
    Research Assistant for Prof. Jong Hee Park   *Seoul, Korea*
    Built web scrapers that collect newspaper articles around the world.
    Created labeled data for supervised learning using MTurk.

WORK EXPERIENCE

Teaching Assistant for Prof. James Fearon   *Sep. 2023 – Dec. 2023*
    Introduction to International Relations   *Stanford, USA*

Method counselor for undergraduate and graduate students   *Sep. 2021 – Aug. 2022*
    Quantitative and qualitative methods   *Seoul, Korea*

Teaching Assistant for Prof. Jong Hee Park   *Mar. 2020 – Dec. 2020*
    International Political Economy, Data Analysis in International Relations   *Seoul, Korea*

Camp Henry, US Army   *Mar. 2015 – Dec. 2016*
    Sergeant, DPTMS   *Daegu, Korea*

CONFERENCE PRESENTATION

AsianPolmeth VIII short presentation   *2021*
    Variance of Average Marginal Effect in Conjoint Analysis: VMCE

TECHNICAL STRENGTHS

Language   Korean, English (fluent), Spanish (intermediate), Russian (elementary)
Programming   C, R, Python, SQL, HTML and LaTeX