

同志社大学アメリカ研究所 第5部門研究主催
公開講演会

Causal Inference with Ranking Data: Framework and Applications in Political Science

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主要論文: Atsusaka, Yuki. 2021. "A Logical Model for Predicting
Minority Representation: Application to Redistricting and Voting
Rights Cases." *American Political Science Review* 115(4): 1210–1225.

Abstract

Understanding people's rank ordering of various items lies at the heart of social sciences. Although a growing body of work seeks to make causal inference with ranking outcomes, few studies take advantage of a wide range of quantities already available in their data to test their substantive theories. In this paper, I introduce a statistical framework to improve the analysis and interpretations of ranking data in experimental and observational studies. First, I clarify how researchers can decompose raw ranking data into various quantities of substantive interest, including average ranks, pairwise ranking, top-k ranking, and marginal ranking. I then propose a general form of average treatment effects based on ranking outcome data. Next, I develop a research workflow with which researchers can fully leverage the rich information from ranking experiments while avoiding selective inference. Finally, I illustrate the methods by studying multiple political science studies based on randomized experiments and observational studies.

日時: 2023年7月19日(水)
16:40~18:10

場所: 同志社大学今出川キャンパス
至誠館1階1番教室(S1)

使用言語: 日本語

事前申込不要

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