



Sociology Department Seminar Series

Wednesday, October 18, 10:30 am ET

Location: PH 333 (*subject to change*), or via Zoom

Food and beverages will be served

Yongjun Zhang, Stony Brook University



Quantifying Segregation with Big Data

Segregation is an enduring feature of U.S. society. But how do we accurately measure it, especially in residential areas and daily activities? Traditional methods have fallen short due to a dearth of detailed geospatial and network data. In this talk, we'll unveil innovative methods to quantify this multifaceted issue. First, we'll explore how L2 voter records can help us pinpoint individual-level scale-dependent segregation across racial, income, and partisan lines, revealing its influence on voting patterns. Next, we'll delve into the limitations of residential segregation. By harnessing GPS data, we can paint a clearer picture of segregation encountered in daily activities. Lastly, we'll navigate the vast neighborhood networks of urban mobility, measuring mobility-based segregation. After all, segregation isn't just about where you reside or go—it's also about who's coming into your community.

Yongjun Zhang is an Assistant Professor of Sociology and Institute for Advanced Computational Science at Stony Brook University. His ongoing work applies novel computational approaches and data to questions about mobility, segregation, and polarization in the U.S. He teaches Intro to Computational Social Science and Research Methods in Sociology at Stone Brook University. Learn more at <https://yongjunzhang.com/>

Attend in person or register here to join us on Zoom: <https://bit.ly/48PR6N3>

We look forward to seeing you there!