

Algorithmic Redistricting and its Role in Addressing Gerrymandering

Friday, September 13 | 3-4 PM
1209 A&B MU Student Center



Dr. Sheldon H. Jacobson

Every 10 Years, the outcome of the United States Census leads to a reallocation of congressional seats, typically requiring state legislatures to redesign their congressional districts. This creates the opportunity for these states to design districts that favor a particular party, the process of gerrymandering. This presentation discusses how gerrymandering is achieved, examples of such efforts, and how algorithms can be used to mitigate its proliferation.

Sheldon H. Jacobson is a Founder Professor of Computer Science at the University of Illinois. He has a B.Sc. and M.Sc. (both in Mathematics) from McGill University, and a M.S. and Ph.D. (both in Operations Research) from Cornell University. From 2012-2014, he was on leave from the University of Illinois, serving as a Program Director at the National Science Foundation. His research interests span theory and practice, covering decision-making under uncertainty and optimization-based artificial intelligence, with applications in aviation security, public policy, public health, and sports. He has been recognized by numerous awards, including a Guggenheim Fellowship from the John Simon Guggenheim Memorial Foundation. He is a fellow of both IISE and INFORMS.



University of Missouri

CAMPUS SPONSORS:

Truman School of Public Affairs | Industrial & Manufacturing Systems Engineering