

Einladung zur Ringvorlesung „Simulationswissenschaften“

Montag, 4. März 2024, Multimedia Hörsaal (D5), TU Clausthal, 16:00 Uhr

Dr. Andrzej Kaczmarczyk
AGH University of Science and Technology
in Kraków (Poland)

spricht über das Thema

Understanding Agreement, Diversity, and Polarization in Elections via Numerical Experiments

Inhalt des Vortrags:

In the talk, we briefly showcase our approach to understand the notions of agreement, diversity, and polarization in elections using a collection of theoretical and experimental methods of computational social choice theory and data science. While (computational) social choice offers good measures of agreement between the voters, such measures for the other two notions are lacking. We attempt to rectify this issue by designing appropriate measures and providing means of their (approximate) computation. Augmenting our study with computational experiments on both synthetic and real-world election data, we verify that they, indeed, capture diversity and polarization well. In particular, we present "maps of preference orders" that highlight relations between the votes in a given election and which help in making arguments about their nature.

Gäste sind herzlich willkommen.

Der Vortrag findet in folgendem Gebäude statt:

Multimedia-Hörsaal
Institut für Informatik, Hörsaal Gebäude (D5)
Albrecht-von-Groddeck-Straße 7
38678 Clausthal-Zellerfeld



Navigation:

tu-c.de/d5

