

Unveiling Oligarchy in Influence Networks From Partial Information

Paper Information

- **Paper link:** <https://doi.org/10.1109/TCNS.2022.3225299>
- **Reviewer:** Juan José Viafara Carabali
- **Categories:** Polarization, Data

Addressed Problem

How to study the formation of oligarchy in networks of influence?

Main Contribution

A mathematical model to study the concentration of influence in social networks.

Methodology Comments

Although the estimation of influence in real data is not explained, an algorithm for detecting oligarchy in an influence network is presented.

General Description

This paper proposes a mathematical model to study oligarchy in networks of influence, where social power is highly concentrated among a few individuals. Additionally, it presents an algorithm to detect oligarchy within networks based on influence data.

Significance for the Project

This study is relevant to Promueva's objectives as it provides a model for analyzing the concentration of influence in social networks, which can reveal insights into power dynamics and polarization trends within the Valle del Cauca's social landscape.