Instructor: Tyler McCormick, Statistics, Sociology, & CSSS

Course components:
- Data analysis homework
- In class presentation
- Final project and poster

Prerequisites:
Familiarity and willingness to expand your knowledge of:
- R, Github, Markdown
- Sampling (e.g. stratified, cluster)
- Inference (e.g. MLE, categorical)

Class meetings: T/Th
11:30-12:50pm
(Guggenheim 218) & F
1:30-2:20 (Savery 264)

For more information:
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https://thmccormick.github.io/

Overview
This course is a practical, hands-on introduction to design and analysis of social network data, set against a backdrop of theory from sociology, economics, and other disciplines.

Figure from Salter-Townshend & McCormick (2017) using data from Banerjee et al. (2013)

Topics:
- Representing network data
- Statistical models & inference
- Models for peer effects & spillovers
- Designing social network surveys
- Analyzing “big data” networks
- Privacy & reproducibility