

# Week 10: Social Networks

## Data Wrangling and Visualization

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F2025

**Due This Week:** [Problem Set 8](#)

**Lecture:** Social Network Visualization

### Readings & Reference Material

- Core Reading
  - Ognyanova, [“Static and dynamic network visualization with R”](#)
  - **DMSS**, ch 13
- Reference Materials
  - Newman, [Networks](#).
    - \* A technical and highly interdisciplinary look at networks, spanning physical networks, biological networks, social networks, and more. Comprehensive, lots of network theory.
  - Menczer, Fortunato, and Davis, [A First Course in Network Science](#).
    - \* A short introduction focused on networks in a broad sense, with a focus on computation for network analysis in Python.
  - Jackson, [Social and Economic Network Analysis](#).
    - \* As befits the name, a focus on economic and social networks.
  - Scott, [Social Network Analysis](#).
    - \* An introduction for beginners, with a focus on substance over computation.

## Network Visualization Examples

Social Networks has inspired a lot of creativity when it comes to think about things in relational contexts. A few examples are below to spark your interest and imagination ahead of your problem set this week.

- [Hamilton \(Musical\)](#)
- [Game of Thrones \(TV Show and Books\)](#) *see also news coverage [here](#)*
- [Myst \(Computer Game\)](#)
- [Biblical Gospels \(Religion\)](#)
- [Star Wars \(Movies\)](#)
- [Marvel \(Movies/Comics\)](#)

**Due Next Week: [Problem Set 9](#)**