

## Additional Resources

### Networks as an Approach to Complex Problems

Provan, K. G., & Lemaire, R. H. (2012). Core concepts and key ideas for understanding public sector organizational networks: Using research to inform scholarship and practice. *Public Administration Review*, 72(5), 638-648.

Popp, J., Milward, H. B., MacKean, G., Casebeer, A., & Lindstrom, R. (2014). Inter-organizational networks: A review of the literature to inform practice. *Calgary: IBM Center for the Business of Government*.

### Social Network Analysis (Introductory resources)

Knoke, D., & Yang, S. (2019). *Social network analysis* (Vol. 154). Sage Publications.

Lemaire, R. H. and Raab, J. (2020). Chapter 10: Social network analysis and dynamic network analysis in *Researching Networks and Collaboration in the Public Sector: A Guide to approaches, methodologies, and analytics*.

Borgatti, S.P., Everett, M.G., & Johnson, J.C. (2013). *Analyzing Social Networks*. Thousand Oaks, CA: Sage.

### Social Network Analysis Software

The diagrams in this series were created with UCInet, which requires a license: Borgatti, S.P., Everett, M.G. and Freeman, L.C. 2002. Ucinet for Windows: Software for Social Network Analysis. Harvard, MA: Analytic Technologies.

There are many free software options including R packages as well as:

Gephi: <https://gephi.org/>

NodeXL for Microsoft Excel

Social Network Visualizer: <https://socnetv.org/>

Kumu: <https://kumu.io/markets/network-mapping>