

Social network analysis (SNA)

We welcome PhD topics that involve the substantive application of SNA, or methodological developments in this area, from a social science standpoint.

Particular topics of interest include:

- Descriptive social network analysis: involving network statistics and network visualization
- Modelling of network structure: e.g. with exponential random graph (p^*) models.
- The relationship of social networks with social and health outcomes
- What is the best use of secondary data that relates to social networks?
- Modelling longitudinal social networks
- The interaction of social and geographical space

Useful books:

Scott, J (2000) *Social Network Analysis: a handbook*. Sage

Knoke D and Yang S (2008) *Social Network Analysis (second edition)*. Sage

De Nooy W, Mvrrar A and Batagelj V (2005) *Exploratory Social Network Analysis with Pajek*. Cambridge Uni. Press.

Wasserman and Faust (1994) *Social Network Analysis*. Cambridge Uni. Press

Monge P and Contractor N (2003) *Theories of communication networks*. OUP

Carrington, Wasserman and Scott (2005) *Models and methods for Social Network Analysis*. Cambridge Uni Press.

Internet resources:

Manchester Social Networks Group www.ccsr.ac.uk/msng

International Network for Social Network Analysis www.insna.org

Melnet: Melbourne Social Networks Group. <http://www.sna.unimelb.edu.au/>

Tom Snijders' homepage: <http://stat.gamma.rug.nl/>