SNA L1B: software tools

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school of information

In this class

- Gephi (visualization and basic network metrics)

- NetLogo (modeling network dynamics)

- iGraph (for programming assignments)

Alternatives (User friendly)

- Pajek
  - http://pajek.imfm.si/doku.php
  - very extensive functionality via drop-down menus
  - free
  - Windows-only

Alternatives (User friendly)

- UCINet
  - extensive, sociology-focused functionality
  - Windows-only
  - costs $$

Alternatives (User-friendly)

- NodeXL http://nodexl.codeplex.com/
  - SNA integrated into Excel
  - Windows-only
  - free
  - beta

Alternatives (Python)

- NetworkX
  - extensive functionality
  - scales to large networks by taking advantage of existing C, Fortran libraries for large matrix computations
  - open source
  - http://networkx.lanl.gov/

Alternatives (Specialized)

- sna package for R
  - extensive, statistics-heavy functionality
  - http://cran.r-project.org/web/packages/sna/index.html

- SoNIA - Social Network Image Animator
  - http://www.stanford.edu/group/sonia/
  - specialized for longitudinal analysis of networks

Gephi

- Download from:
  - http://gephi.org/
  - download the datafile dining.gephi from Coursera
  - let's play