Pajek Instruction 2

Now you should already have Pajek 2.* installed in your computer. Otherwise, please refer to our "Pajek Instruction 1" HERE.

If instead you have Pajek 3.*, please refer to the following link for a list of changes made from Pajek 2.* to 3,*. (Thanks Jordi, among all discussants in the forum). http://mrvar.fdv.uni-lj.si/pajek/Pajek205to301.htm

Open Pajek and load the data set:

- go to the "File" tab at the top of the Pajek page
- go to the "Pajek Project File" in the dropdown
- select "read"
- find the directory where you have stored the data, and open it.

Using Pajek calculate some basic centrality measures:

- go to the "Net" tab at the top of the Pajek page
- click "Vector"
- click "Centrality"
- click "Closeness"
  - choose "Input", "Output" or "All", depending on which you want
  - it will generate something listed under "vector" on the Pajek page. You can double click on that to get the output numbers for closeness centrality
- redo this for "Betweenness" centrality instead of closeness

Using Pajek, generate Poisson random networks:

- go to the "net" tab at the top of the Pajek page

- click "Random Network", then "Bernoulli/Poisson"
- click "Undirected", then "General"
- input "100" when asked "How many vertices"
- input the average degree you want, when asked "Average degree of vertices"
- to see the network, you need to draw it, as introduced in below

To draw a network:

- go to the "Draw" tab at the top of the Pajek page
- click "Draw"
- you can play a bit with different layouts, so as to see the network more clearly
  - if you want to get rid of the names of vertices, click "GraphOnly"
  - go to the "Layout" tab at the top of the figure page
  - click on some of the variations (circular, energy, etc.) and it will redraw things
- if you want to examine the connectedness of the network, you can try the "Separate Components" layout. To do this:
  - go to the "Layout" tab at the top of the figure page
  - click "energy", then "Kamada-Kawai", and then "Separate Components"
- probably you have already noticed some useful shortcuts:
  - "Ctrl"+"G": draw a network
  - "Ctrl"+"K": redraw using "Separate Components" layout

Have fun!