CS595 Intro to Web Science, Assignment #7

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Question 1

Using D3, create a graph of the Karate club before and after the split

Weight the edges with data from: `http://vlado.fmf.uni-lj.si/pub/networks/data/ucinet/zachary.dat`

Have the transition from before/after the split occur on a mouse click.

Answer to Question 1

Extra Credit, 3 Points

Use D3 to create a who-follows-whom graph of your Twitter account. Use my Twitter account (phonedude_mln) if you do not have an interesting number of followers.

Answer to Extra Credit

Resources

- Csardi, Gabor. Network Analysis with igraph. http://igraph.sourceforge.net/igraphbook/index.html
- Poulson, Barton. R Statistics Essential Training. http://www.lynda.com/course20/R-tutorials/R-Statistics-Essential-Training/142447-2.html
- Rice, Ken & Lumley Thomas. Writing Loops. http://faculty.washington.edu/kenrice/sisg/SISG-08-05.pdf
- Sourceforge.net. Network Analysis and Visualization. http://igraph.sourceforge.net/doc/R/00Index.html
- Stack Overflow. Are there implentations of algorithms for community detection in graphs? http://stackoverflow.com/questions/5822265/are-there-implementations-of-algorithms-for-community-detection-in-graphs
- Stack Overflow. What are the differences between community detection algorithms in igraph? http://stackoverflow.com/questions/9471906/what-are-the-differences-between-community-detection-algorithms-in-igraph/9478989#9478989
- Zachary, Wayne. An Information Flow Model for Conflict and Fission in Small Groups. http://aris.ss.uci.edu/~lin/76.pdf