Old Dominion Univeristy

CS 495: Introduction to Web Science
Instructor: Michael L. Nelson, Ph.D
Fall 2014 4:20pm - 7:10pm R, ECSB 2120

Assignment # 7

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Honor Pledge

I pledge to support the Honor System of Old Dominion University. I will refrain from any form of academic dishonesty or deception, such as cheating or plagIiarism. I am aware that as a member of the academic community it is my responsibility to turn in all suspected violations of the Honor Code. I will report to a hearing if summoned.

Signed _____

November 7, 2014

George C. Micros

Written Assignment 7

Fall 2014
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Written Assignment 7

1.1 Question 1

1.1.1 The Question

Using D3, create a graph of the Karate club before and after the split.
- Weight the edges with the 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.

1.1.2 The Answer

`http://www.cs.odu.edu/~gmicros/karate/`

References

1. Girvan, Michelle, and Mark EJ Newman. "Community structure in social and biological networks." Proceedings of the National Academy of Sciences 99.12 (2002): 7821-7826.
2. `https://stat.ethz.ch/pipermail/r-help//2012-August/333656.html`
3. `http://digitalpbk.com/perl/perl-script-check-google-pagerank`
4. `http://www.google.com`
5. `http://jakevdp.github.io/blog/2012/10/14/scipy-sparse-graph-module-word-ladders/`
6. `http://curl.haxx.se/docs/httpscripting.html`
7. `http://www.crummy.com/software/BeautifulSoup/bs4/doc/`
8. `http://www.rmi.net/~lutz/`
9. `http://www.cs.cornell.edu/home/kleinber/networks-book/`
10. `http://thomassileo.com/blog/2013/01/25/using-twitter-rest-api-v1-dot-1-with-python/`
11. `http://www.cs.odu.edu/~mklein/cs796/lecture/`