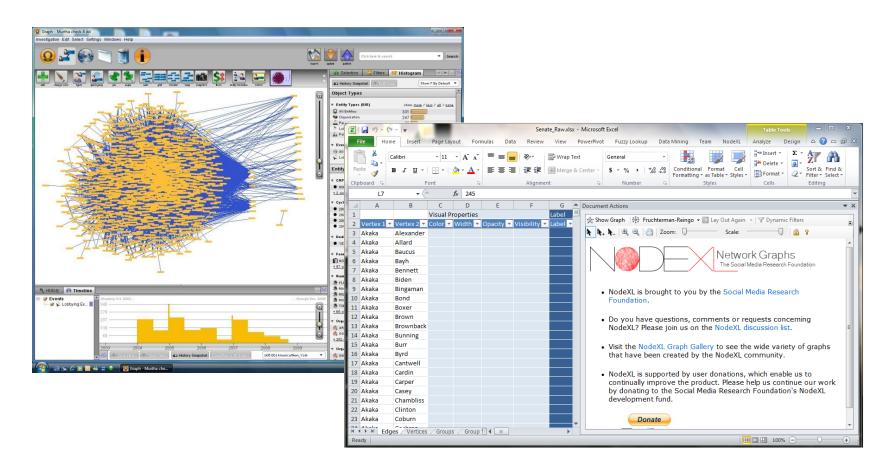
## **Social Network Analysis:**

## Tools for connecting the dots



# THE KANSAS CITY STAR.

\_\_\_\_\_www.kansascity.com

Sunday, November 28, 2004

### Terrorist tentacles know no boundaries

\$1.25

Details of a how a global charity allegedly is tied to some of the world's terrorists have been illuminated by government documents and a Star analysis

By MARK MORRIS, The Kansas City Star, and JAIMI DOWDELL and AARON KESSLER Special to The Star

How money raised by charities ends up in the pockets of international terrorists has been the subject of intense investigation since Sept. 11, 2001.

Last month one of those investigations touched Columbia. Federal officials alleged that a nonprofit organization there was part of the Islamic African Relief Agency, a global charity whose officers had raised at least \$5 million for terrorists.

Details of how IARA allegedly supported terrorism were packed into a four-page Treasury Department summary, thick with unfamiliar names and organizations.

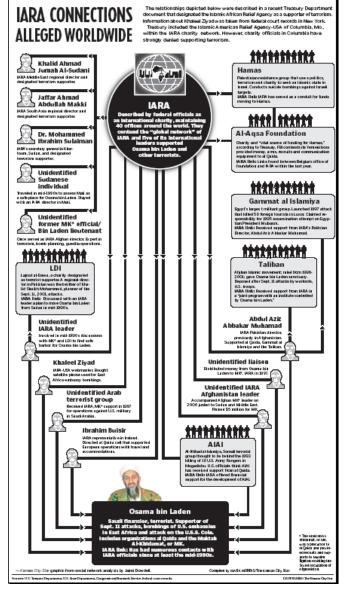
Using special computer software, The Kansas City Star diagramed the links described in the Treasury summary. They allege:

- At least eight connections between IARA and Osama bin Laden, his organizations or the Taliban.
- Two connections to Hamas, the Palestinian terrorist organizations whose suicide bombings ravaged life in Israel.
- Connections to three other groups that long have been designated as terrorist organizations by federal authorities.

### **The Kansas City Star**

**Data:** Documents from the U.S. Treasury Department used to create a data table for social network analysis.

**Findings:** Analysis showed that officials from Islamic African Relief Agency, a global charity, allegedly used \$5 million to perform services or favors for bin Laden and his organizations and other terrorists.



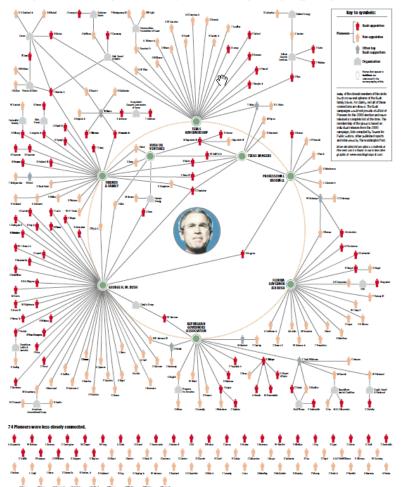
# The Washington Post

THE WASHINGTON POST SUNDAY, MAY 16, 2004 A

THE BUSH MONEY MACHINE | Fundraising's Rewards

#### Spheres of Influence

George W. Bush reached into each of the spheres near counting this life to find fundrations for his first president is bid. The ne Piemore, who resized a minim um of \$100,000 and in individual contributions of \$1,000 or less in 1000, have changed the face of national computing finance. They helped him ratio a record \$80.50 million and allowed him to her no down factorium stathing fundration to work have limited him spending during the primary dections. For Bush, they in clude clasmed at the Wile and Harmond-childhood friends, investors in his cerls. business restures and contact model-through the Republican Cocromer's Association and his partial come thing of the Even Minger's trackell team. He do not done from his family? storind political life, tapping appointers and fundraisers from his family? storind political life, tapping appointers in Parvida and a sport and appointer from his size years at Trace governor. The Part found that about 170 of the 366 Piencer's in 2009 full into one of those realism. Of the Piencers, more than 100, red 9 percent, you no facility appointment up for the decision.

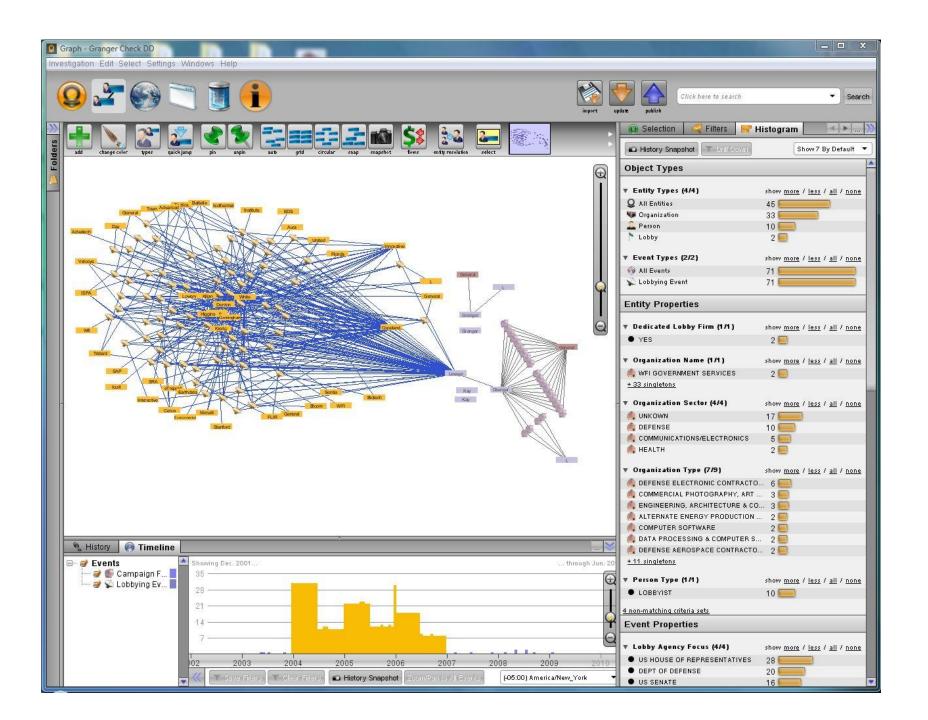


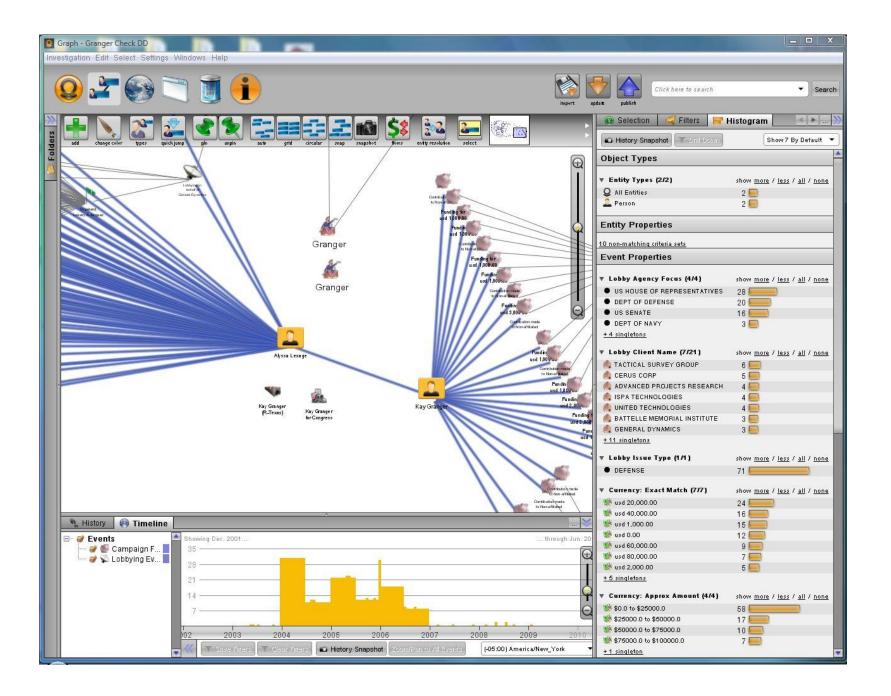
### **The Washington Post**

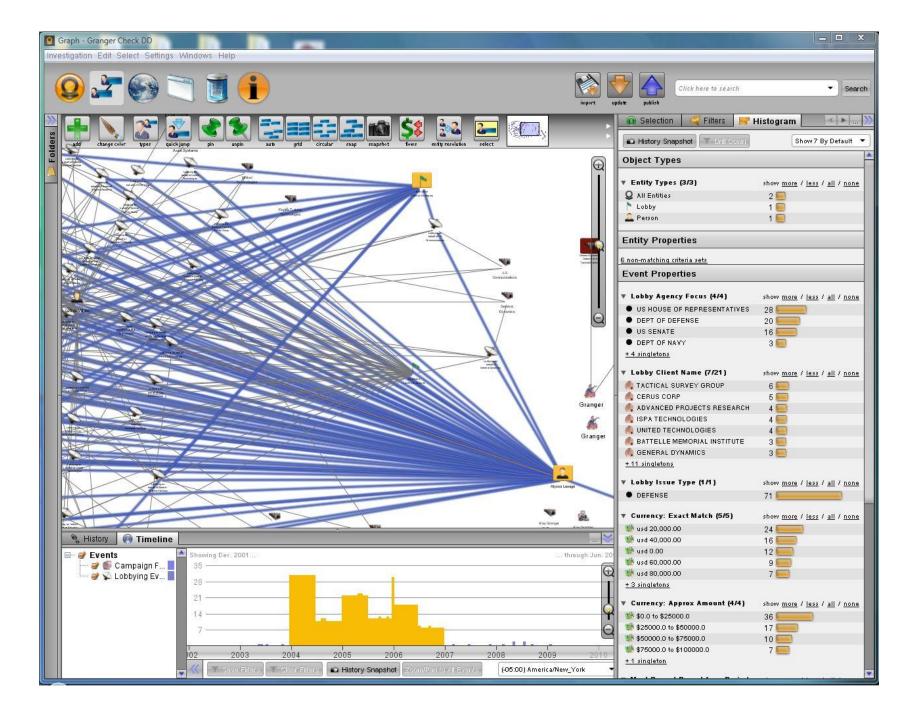
**Data:** Built database of George W. Bush "Pioneers" – those who raised more than \$100,000 to his 2000 presidential campaign.

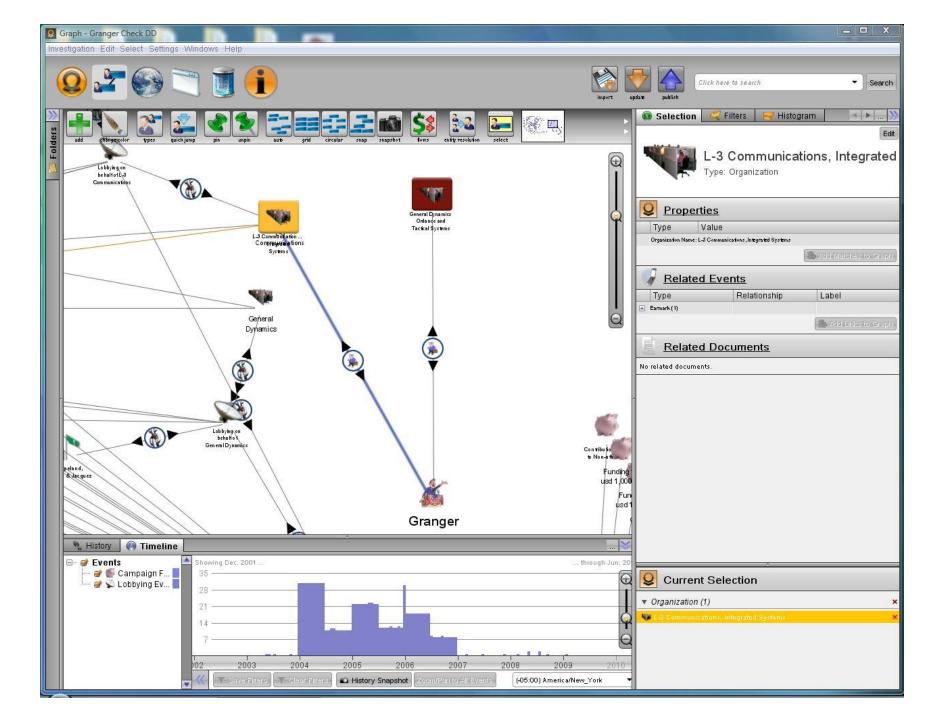
Findings: Sarah Cohen used social network analysis to show who the key Pioneers were in the Bush campaign, who they were connected to, and what each Pioneer gained, if anything, from his or her association with Bush, such as ambassadorships and other federal appointments. Bush raised \$96.3 million, a record at that time. More that 100, about 40 percent, of the Pioneers received some federal appointment after the election.

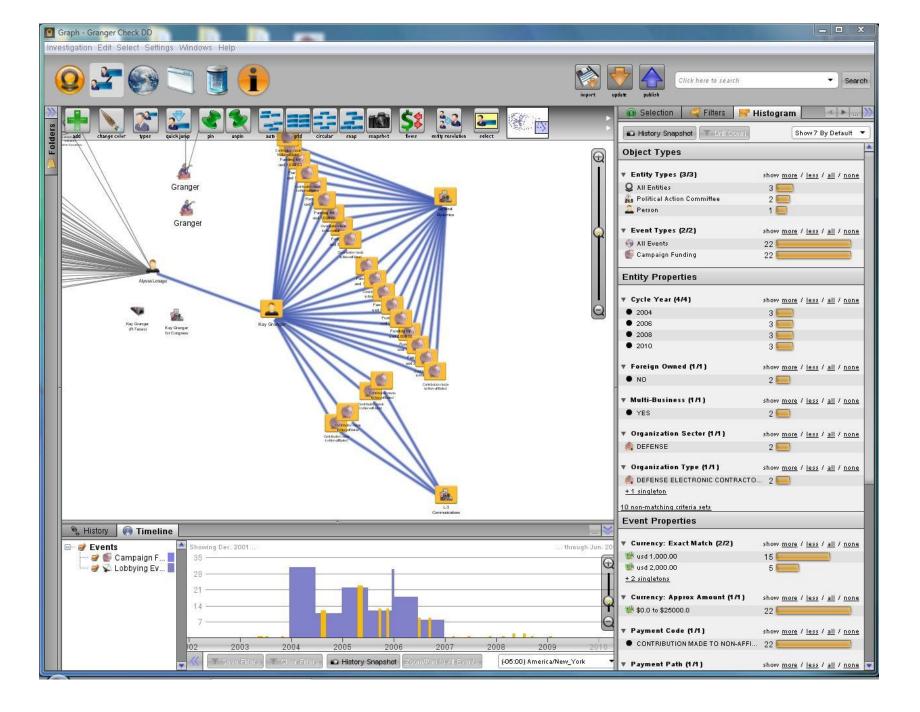
- They Rule
- http://www.theyrule.net/
- Muckety
- http://news.muckety.com/
- Analyzethe.US
- https://analyzethe.us/



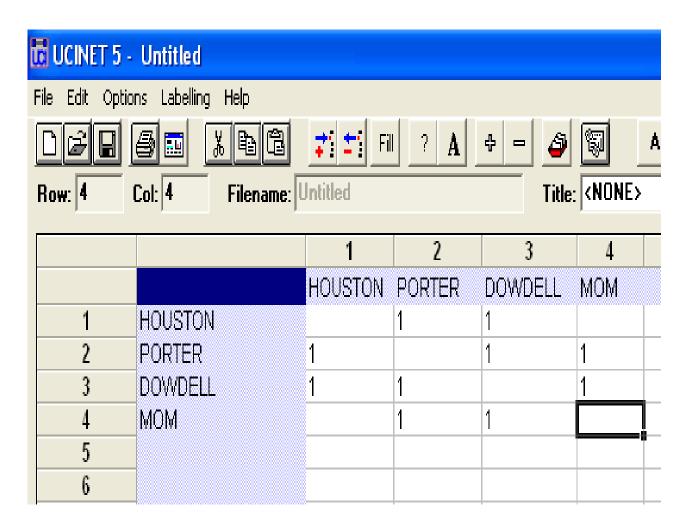


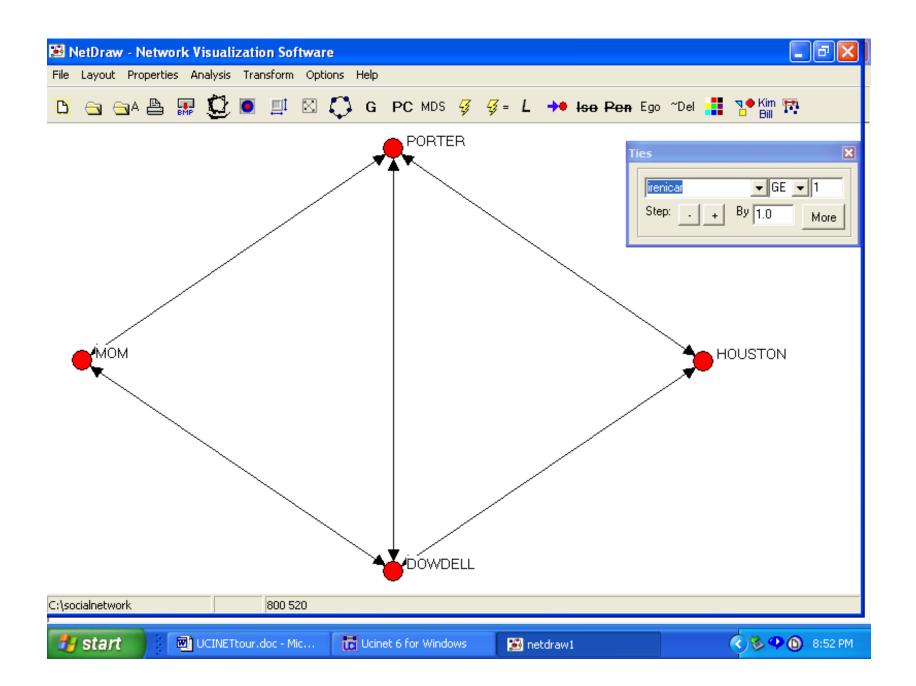






- UCINET
- http://www.analytictech.com/ucinet/





## **Stats**

- Degree Centrality measures the number of ties belonging to each node.
- Betweeness measures the ability of one node to control transactions or communications between others in the network.





File Edit



#### FREEMAN BETWEENNESS CENTRALITY

Input dataset: C:\jaimiwork\snadataforcincy\IRENICAR

Important note: this routine binarizes but does NOT symmetrize.

Un-normalized centralization: 1.000

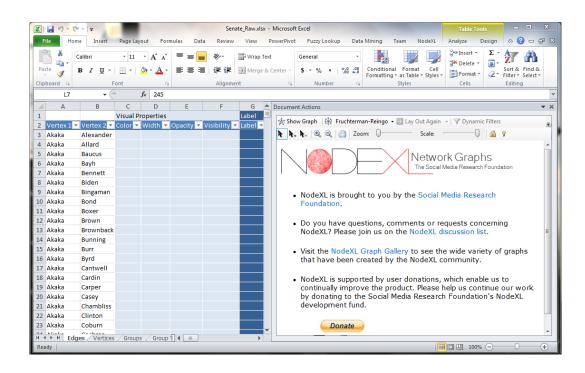
	1 Betweenness	nBetweenness
DOWDELL	0.500	16.667
PORTER	0.500	16.667
HOUSTON	0.000	0.000
MOM	0.000	0.000

#### DESCRIPTIVE STATISTICS FOR EACH MEASURE

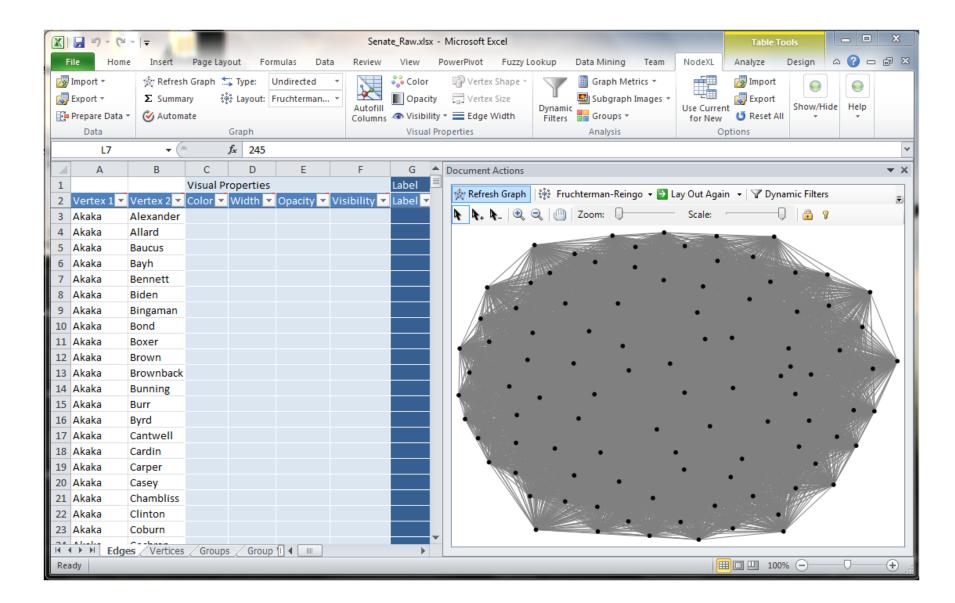
		Betweenness	nBetweenness
2 Std 3 4 Vari 5 6 M 7 Euc 8 Min	Mean Dev Sum ance SSQ CSSQ Norm imum	0.250 0.250 1.000 0.063 0.500 0.250 0.707 0.000	8.333 8.333 33.333 69.444 555.556 277.778 23.570 0.000 16.667

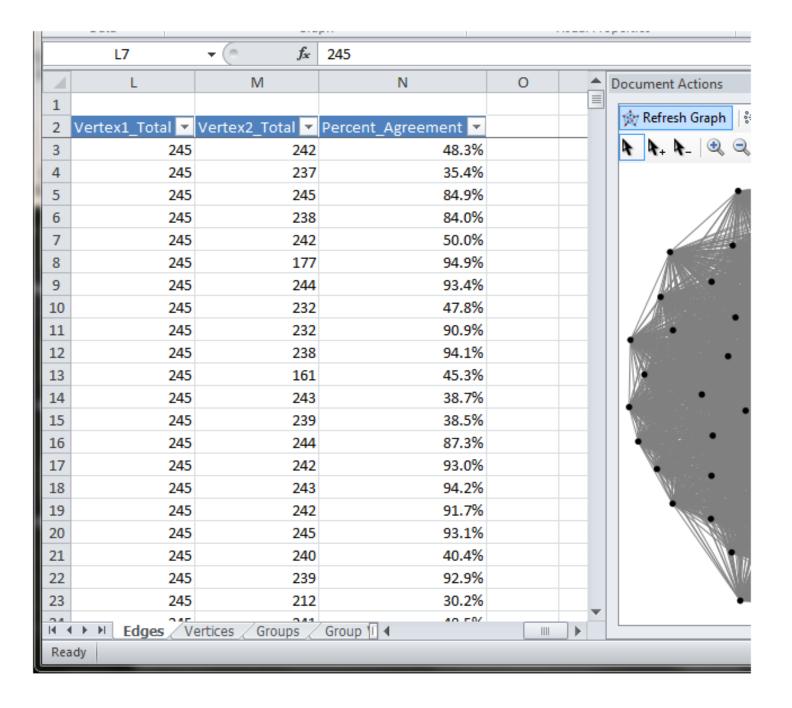
Network Centralization Index = 11.11%

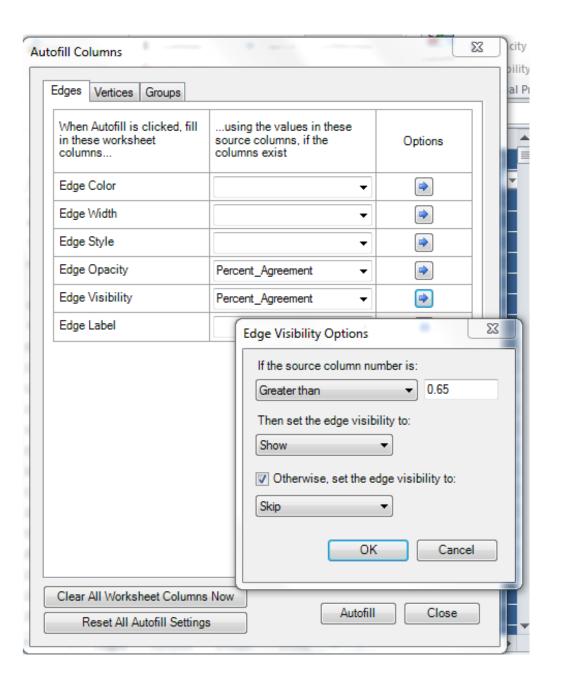
## NodeXL

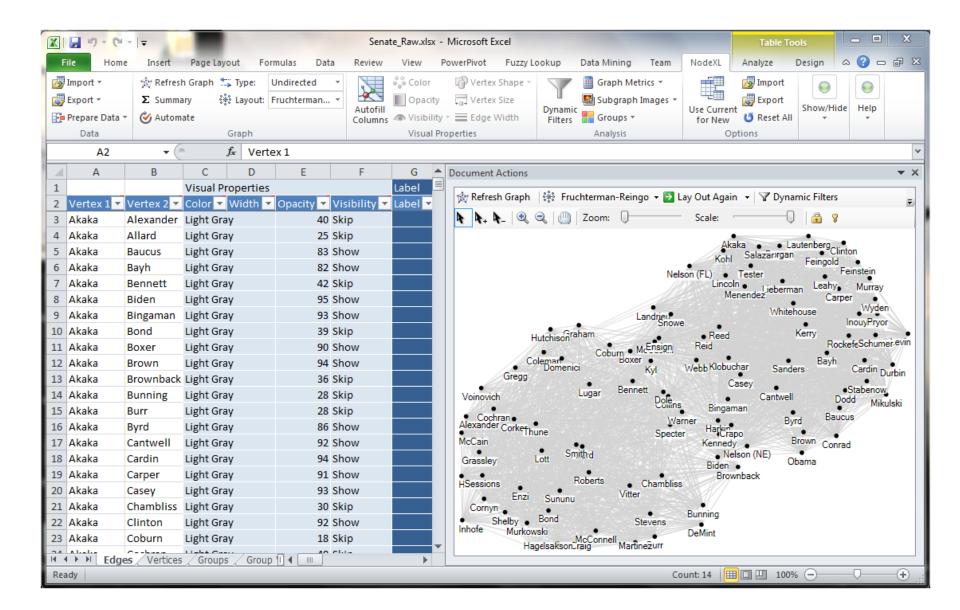


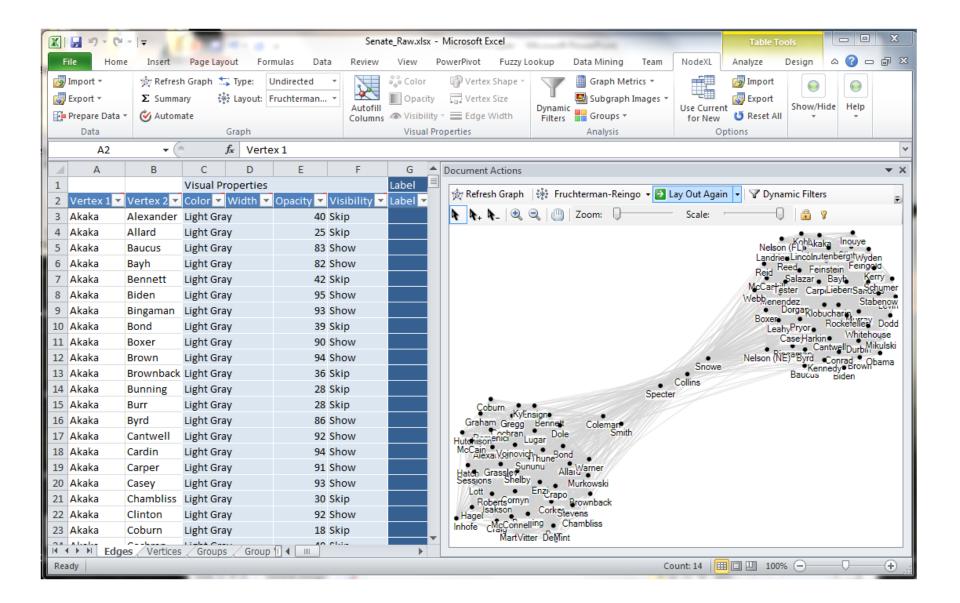
http://nodexl.codeplex.com/

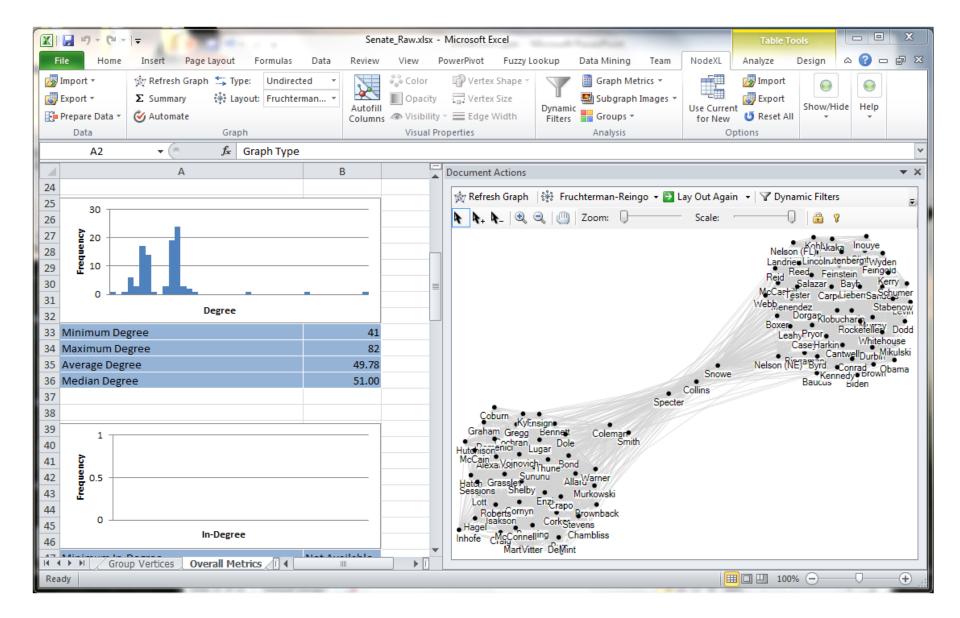


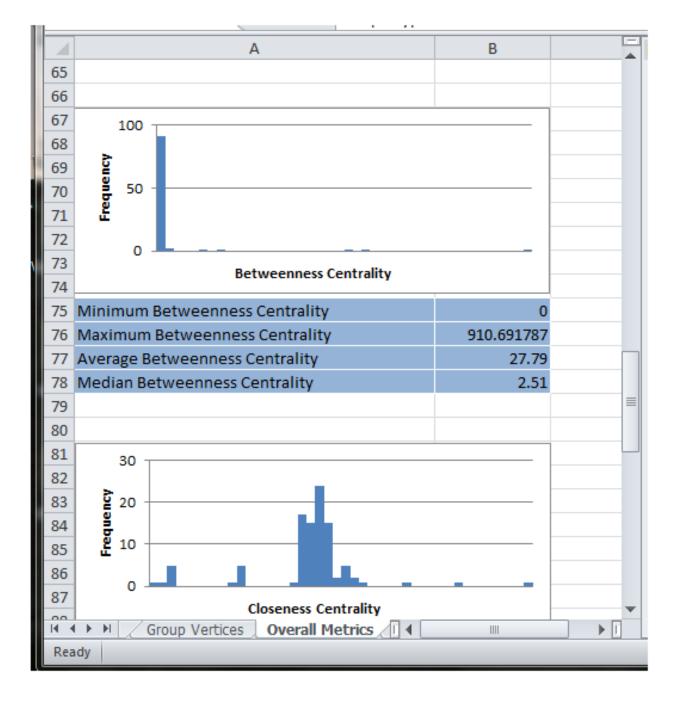






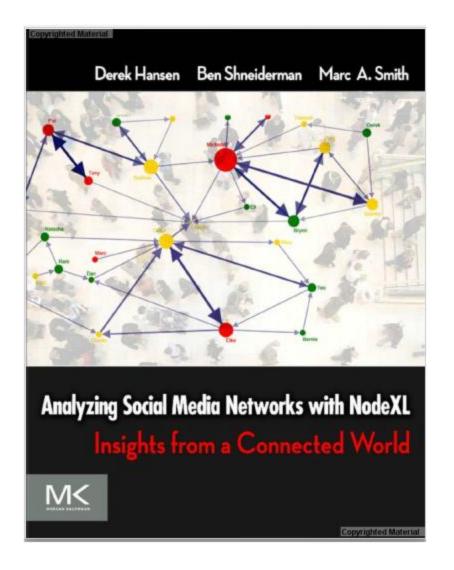






- NodeXL
- http://nodexl.codeplex.com/

- Tutorial
- http://casci.umd.edu/images/4/46/NodeXL tutorial\_draft.pdf



http://search.barnesandnoble.com/Analyz ing-Social-Media-Networks-with-NodeXL/Derek-Hansen/e/9780123822291



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