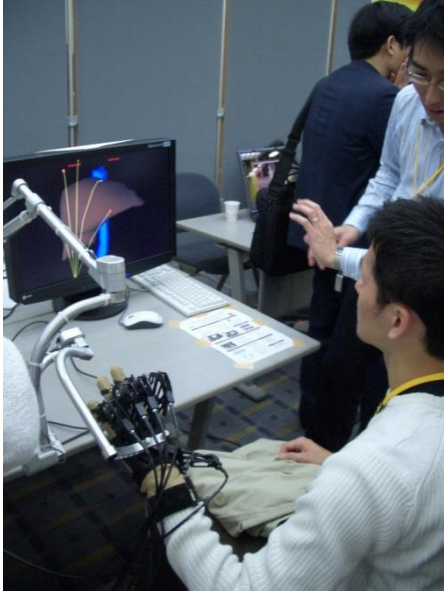


# PV251 Vizualizace

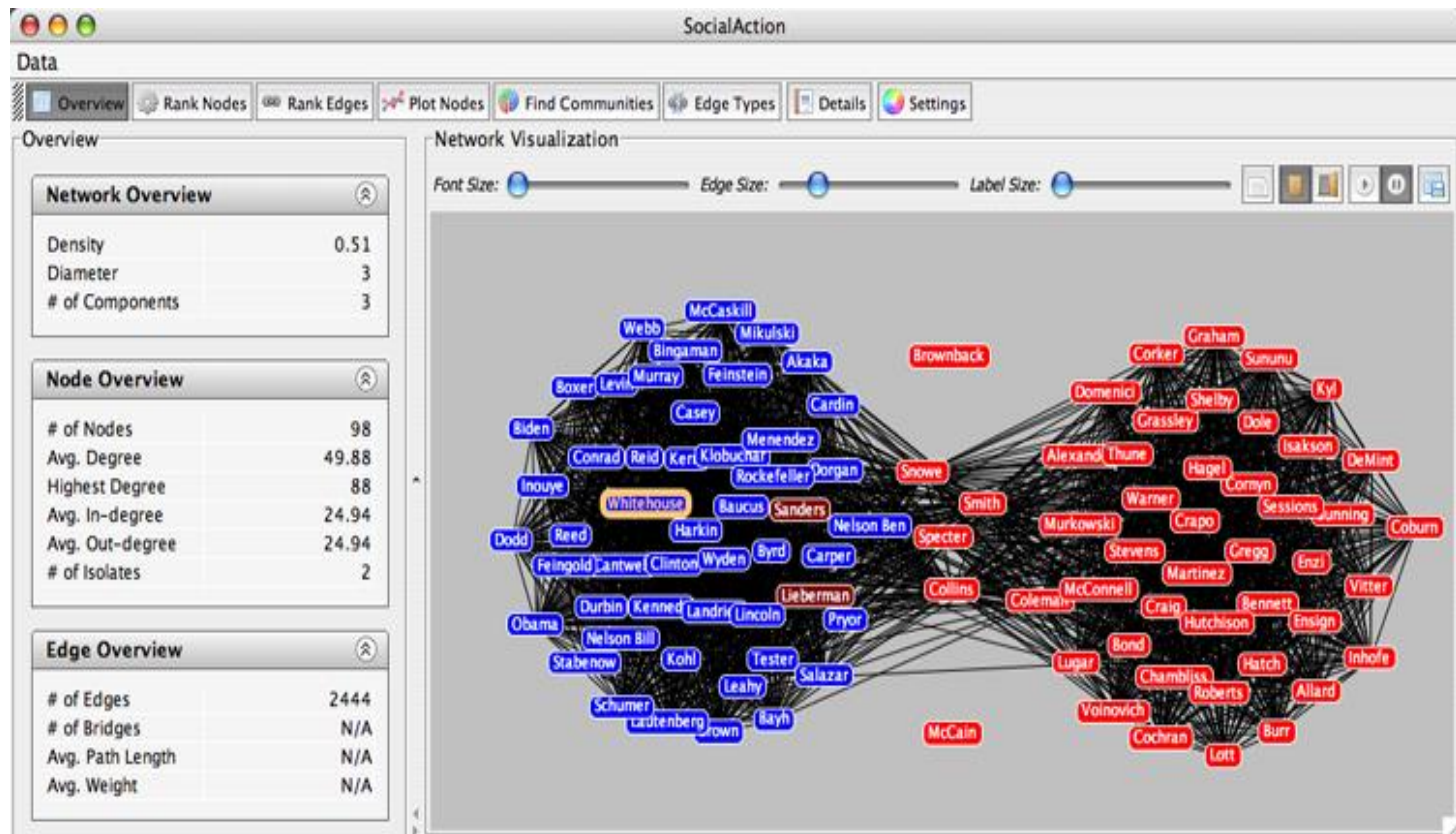
## Cvičení 1

# Visualizaton – only what we see?

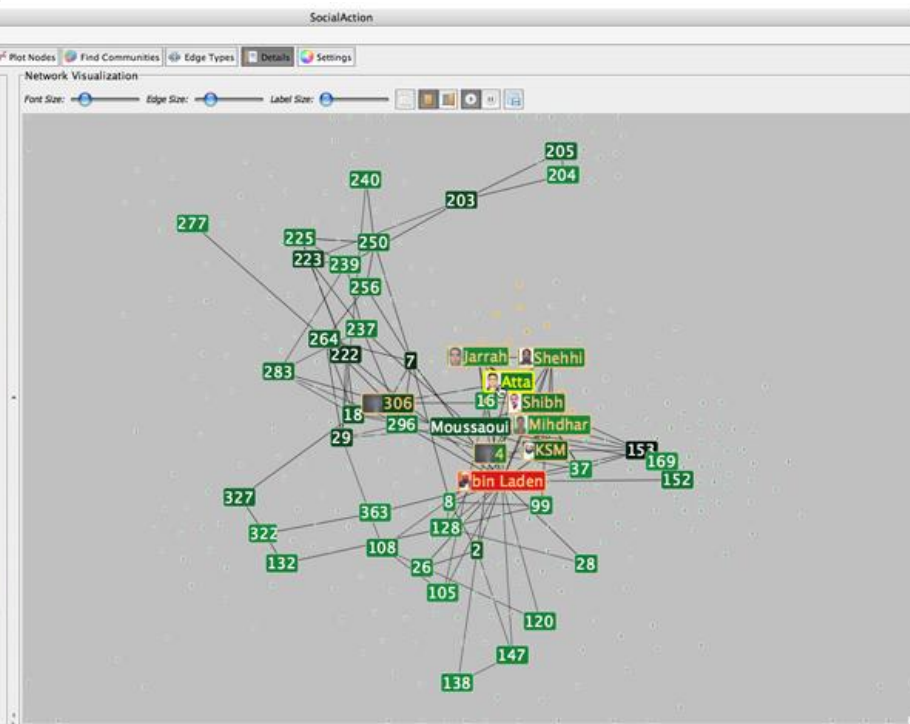
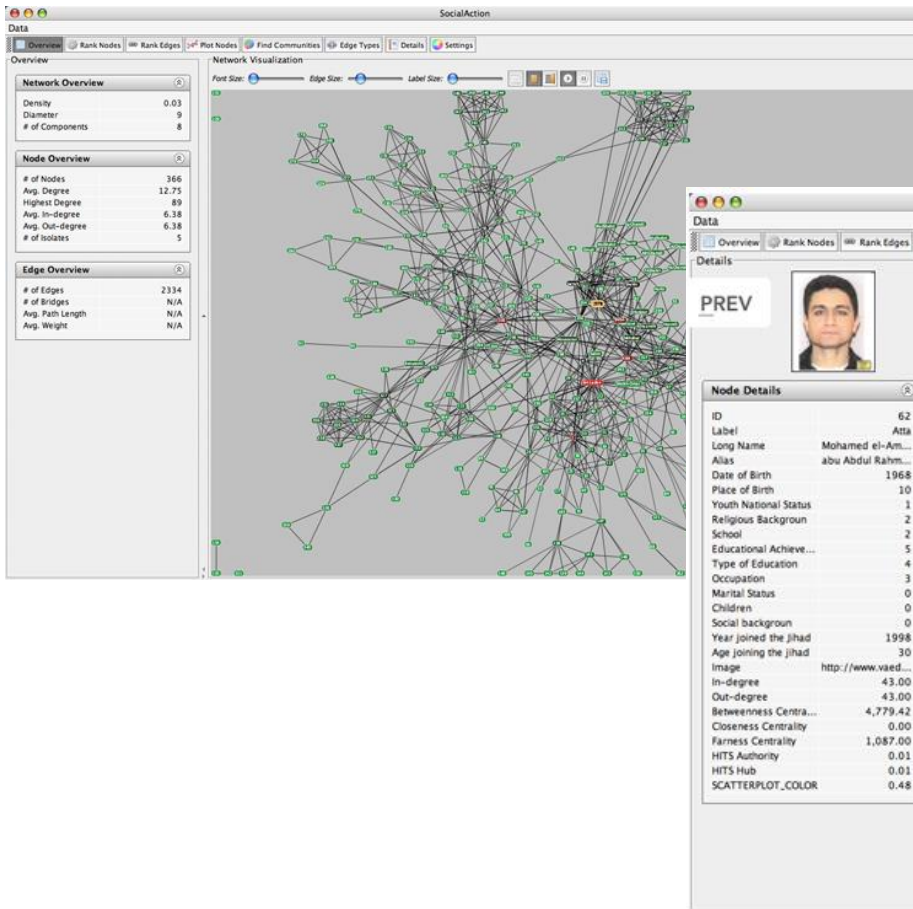


# SocialAction: analýza sociální sítě amerických senátorů

<http://vimeo.com/7308004>



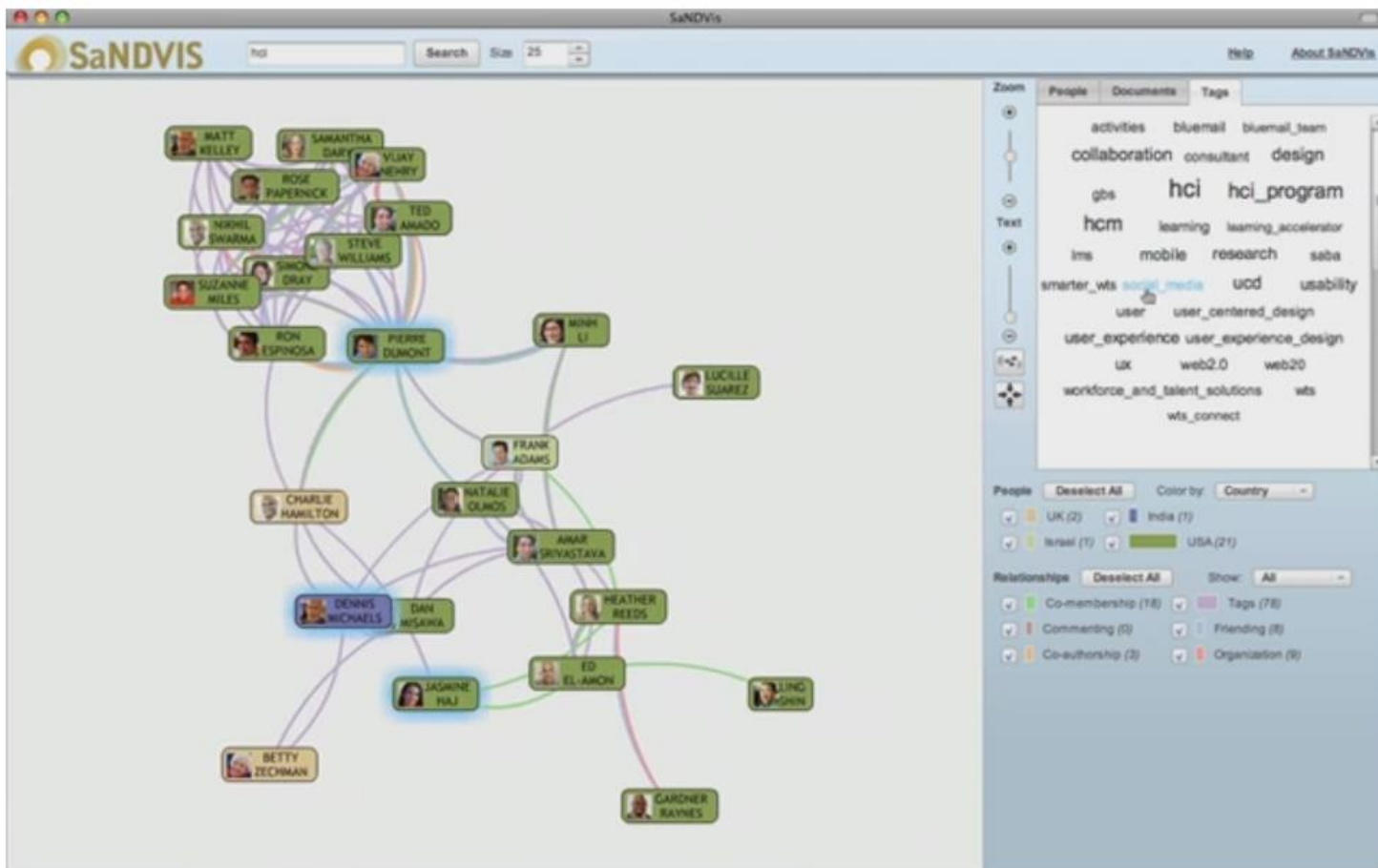
# SocialAction: Understanding the Global Jihad Terrorist Network



<http://www.cs.umd.edu/hcil/socialaction/>

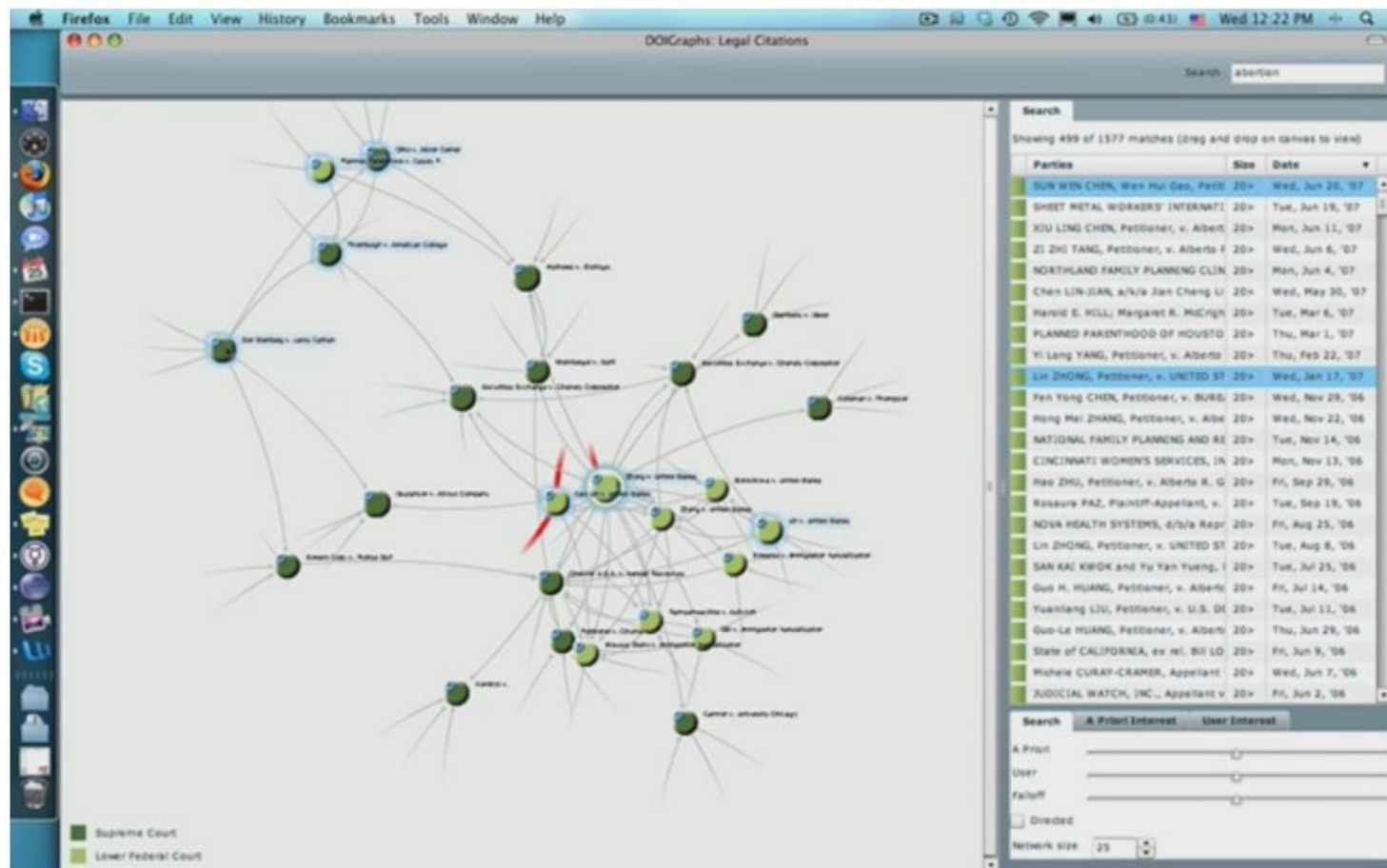
# SaNDVIS – Visual Social Network Analytics for Relationship Discovery in the Enterprise

<http://vimeo.com/25094971>



# Degree-of-Interest Graphs

<http://vimeo.com/8570431>



# Prague stock exchange

<http://www.pse.cz/>

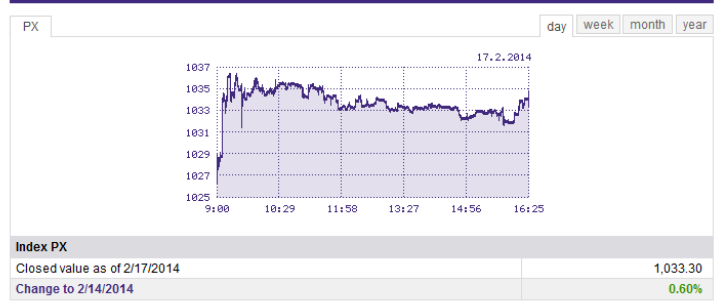
## Selected Issues - Results 2/17/2014

Instrument	Price [CZK]	Change [%]	Trade value [CZKthnd]
<a href="#">CETV</a>	59.40	-1.82	3,322.40
<a href="#">ČEZ</a>	545.00	0.68	175,134.16
<a href="#">ERSTE GROUP BANK</a>	783.00	1.16	57,686.57
<a href="#">FORTUNA</a>	130.10	1.25	5,145.27
<a href="#">KOMERČNÍ BANKA</a>	4,730.00	0.90	139,907.94
<a href="#">NWR</a>	15.25	-2.24	5,407.37
<a href="#">ORCO</a>	45.95	-0.86	445.00
<a href="#">PEGAS NONWOVENS</a>	611.00	0.16	518.61
<a href="#">PHILIP MORRIS ČR</a>	10,730.00	-0.09	3,009.54
<a href="#">STOCK</a>	98.00	0.51	43.02
<a href="#">TELEFÓNICA C.R.</a>	297.50	0.00	5,079.89
<a href="#">TMR</a>	592.00	2.96	210.05
<a href="#">UNIPETROL</a>	148.50	1.02	4,352.48
<a href="#">VIG</a>	997.30	0.03	977.65
<b>Total</b>			<b>401,239.95</b>

## Online Registered OTC Trades - Results 2/17/2014

Instrument	Minimal price of trade [CZK/%]	Maximal price of trade [CZK/%]	Trade value [CZKthnd]
<a href="#">ABS JETS 6.50/16</a>	103.75	104.00	12,768.33
<a href="#">BIGBOARD 7.00/17</a>	101.00	101.00	6,668.64
<a href="#">CPI 6.05/16</a>	100.00	100.00	16,379.13
<a href="#">CPI VAR/19</a>	104.50	104.50	18,782.40
<a href="#">ČESKÉ DRÁHY VAR/18</a>	100.50	100.50	16,103.15
<a href="#">ČEZ</a>	545.00	545.00	545.00
<a href="#">KOMERČNÍ BANKA</a>	4,633.15	4,720.00	4,987.15
<a href="#">ST.DLUHOP. 1.50/19</a>	100.22	100.25	45,616.30
<a href="#">ST.DLUHOP. 2.75/14</a>	100.32	100.32	205,483.06
<a href="#">ST.DLUHOP. 3.75/20</a>	113.18	113.18	57,402.50
<a href="#">ST.DLUHOP. 4.20/36</a>	113.50	113.50	37,739.90
<a href="#">ST.DLUHOP. 4.60/18</a>	115.94	116.10	89,916.78
<a href="#">ST.DLUHOP. 4.85/57</a>	116.00	116.00	29,276.18
<a href="#">ST.DLUHOP. 5.00/19</a>	118.98	118.98	49,308.67
<a href="#">ST.DLUHOP. 5.70/24</a>	131.10	131.10	202,943.75
<a href="#">ST.DLUHOP. VAR/16</a>	100.31	100.31	4,019.62
<a href="#">ST.DLUHOP. VAR/23</a>	104.95	105.00	424,715.75
<b>Total</b>			<b>1,222,656.30</b>

## Index PX 2/17/2014



## Trade Value 2/17/2014

Market	Shares [CZKkm]	Bonds [CZKkm]
Exchange trades	401.3	3.9
Registered OTC Trades	5.5	1,217.1
<b>Total [CZKkm]</b>	<b>406.8</b>	<b>1,221.0</b>
<b>Total [EURm]</b>	<b>14.8</b>	<b>44.6</b>
<b>Total [USDm]</b>	<b>20.3</b>	<b>61.0</b>

## News

**Termination of Trading with Investment Certificates EB NWR TL5** [2/13/2014 4:45 PM]  
 With effect from 14.2.2014, the issue of investment certificates EB NWR TL5, AT0000A114D5 will be excluded from trading on the Regulated Market

**January statistics on the PSE web site** [2/3/2014 8:25 AM]  
 Monthly statistics for January 2014 is available in format PDF ([ms1401.pdf](#)) on the PSE web site in the chapter [Statistics /Statistical files](#).

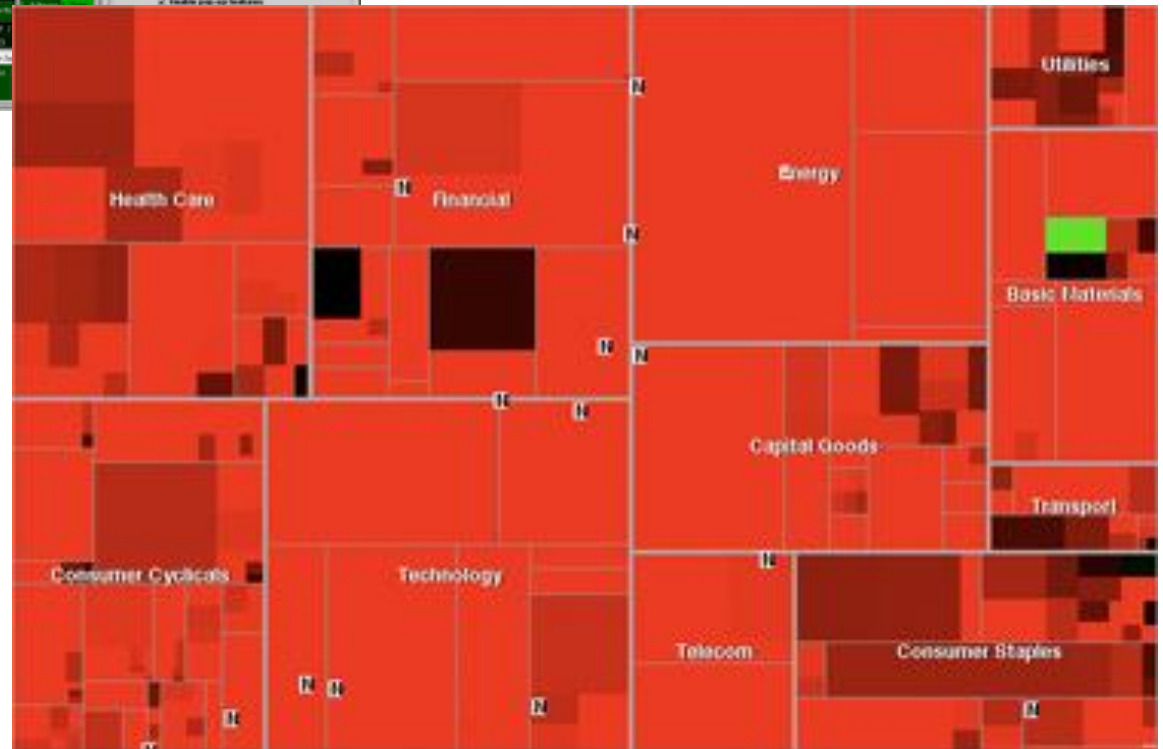
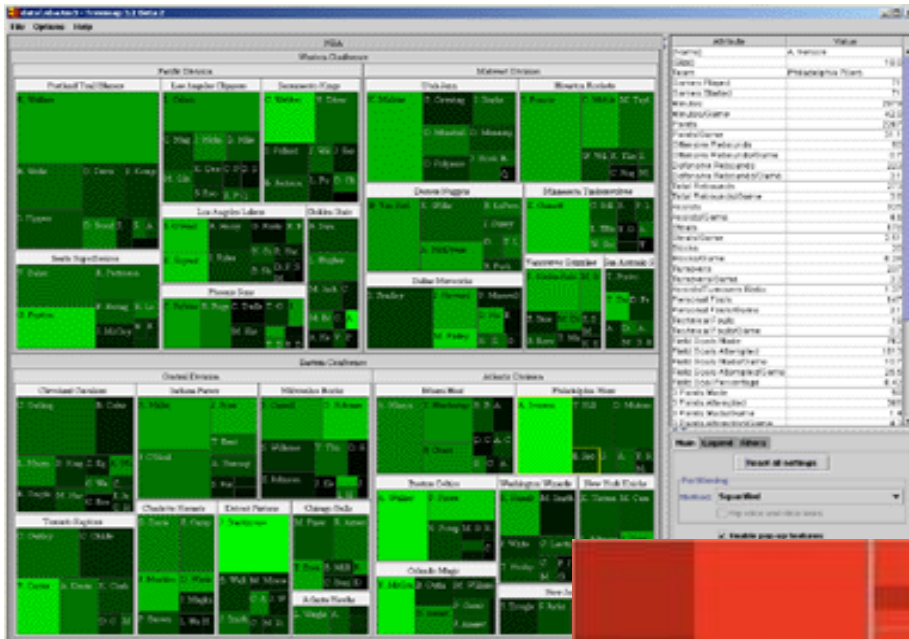
**New Adjustment Factor for PX-GLOB** [1/27/2014 7:55 AM]  
 The adjustment factor K(t) in the calculation formula applied to the PX-GLOB Index will be changed to 0.5962469682 as of 27 January, 2014.

**Termination of Trading with Investment Certificates EB NWR TL6** [1/23/2014 4:29 PM]  
 With effect from 24.1.2014, the issue of investment certificates EB NWR TL6, AT0000A14339 will be excluded from trading on the Regulated Market

# Tree maps







# Tree maps

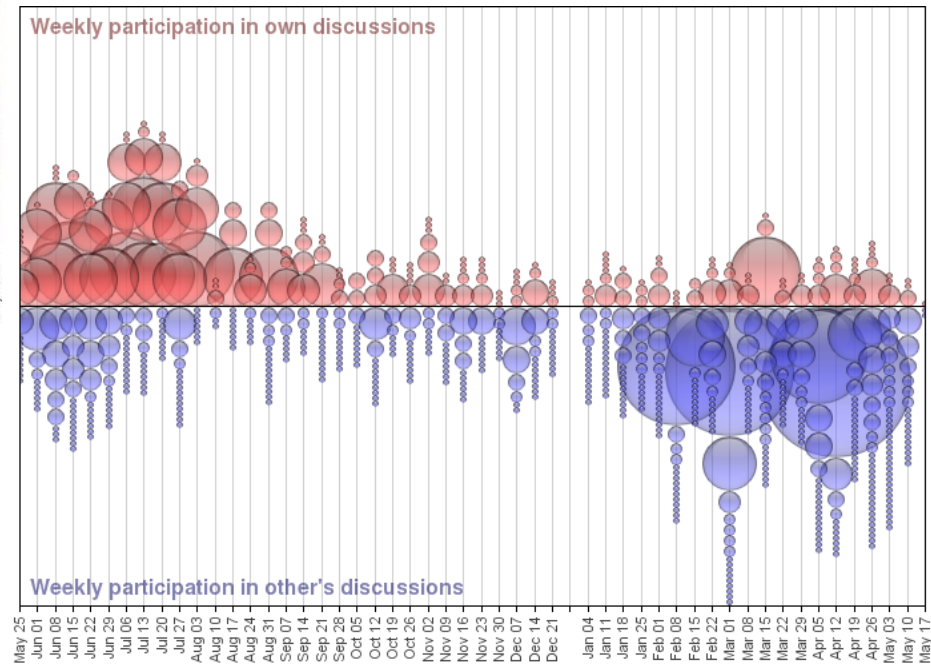
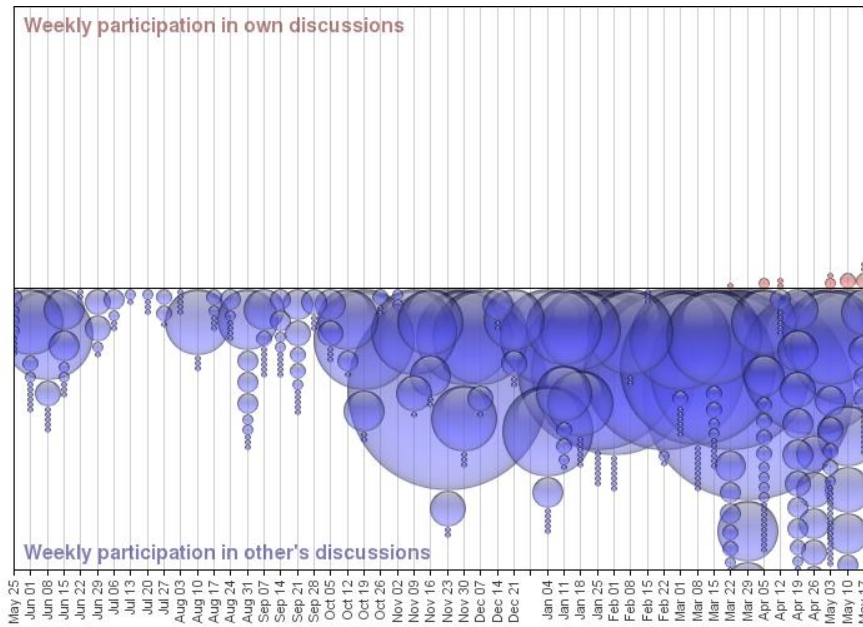
<http://www.marketwatch.com/tools/stockresearch/marketmap>

<http://hivegroup.com/solutions/demos/usda.html>

<http://hivegroup.com/gallery/index.fun.html>

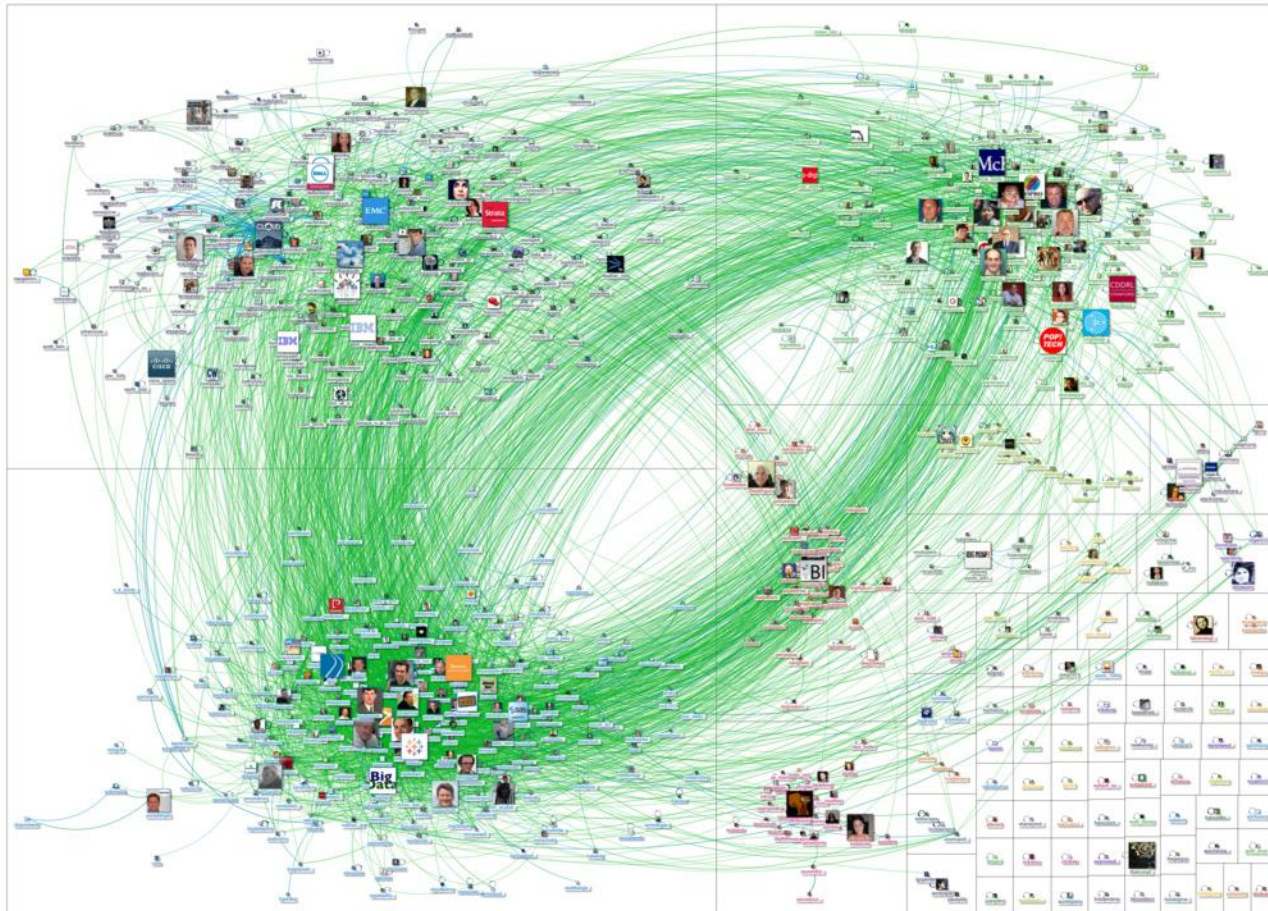
# Discussion participation

<http://www.smrfoundation.org/2010/05/18/boardtracker-adds-authorline-visualizations-to-threaded-discussion-search-service/>



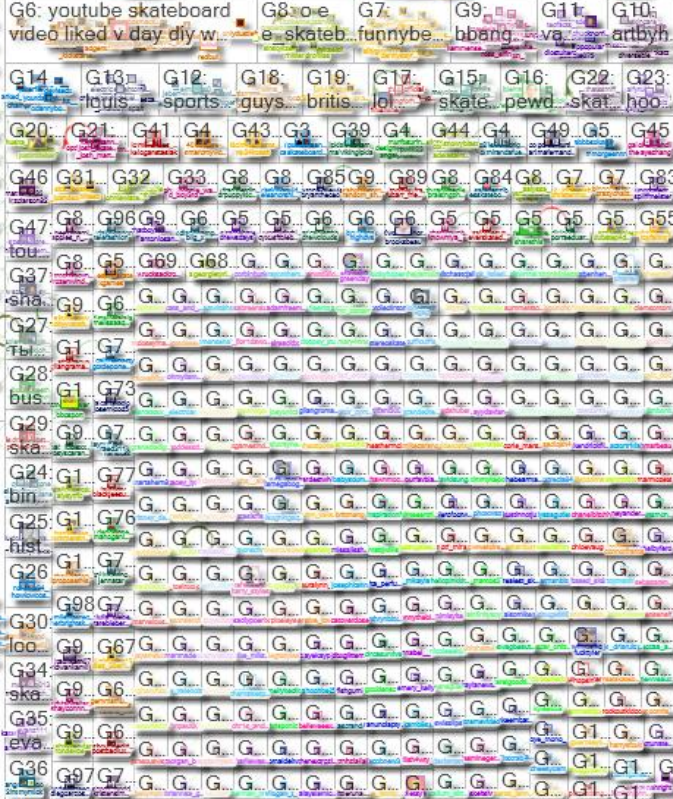
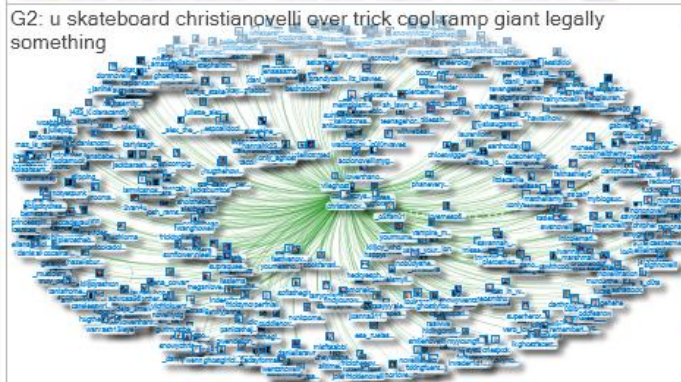
# NodeXL: Network Overview Discovery and Exploration for Excel 2007/2010

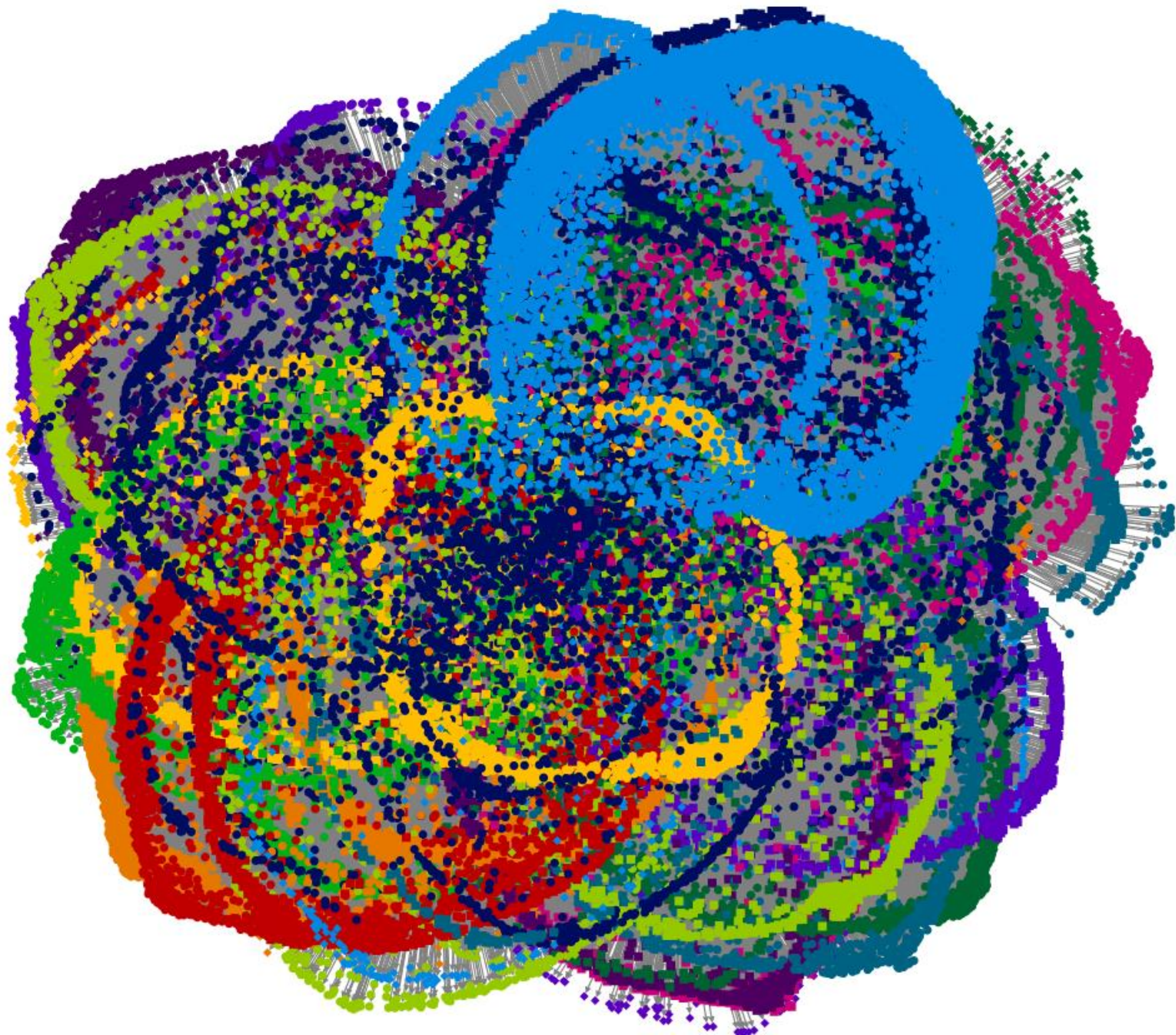
Social media network connections among Twitter users



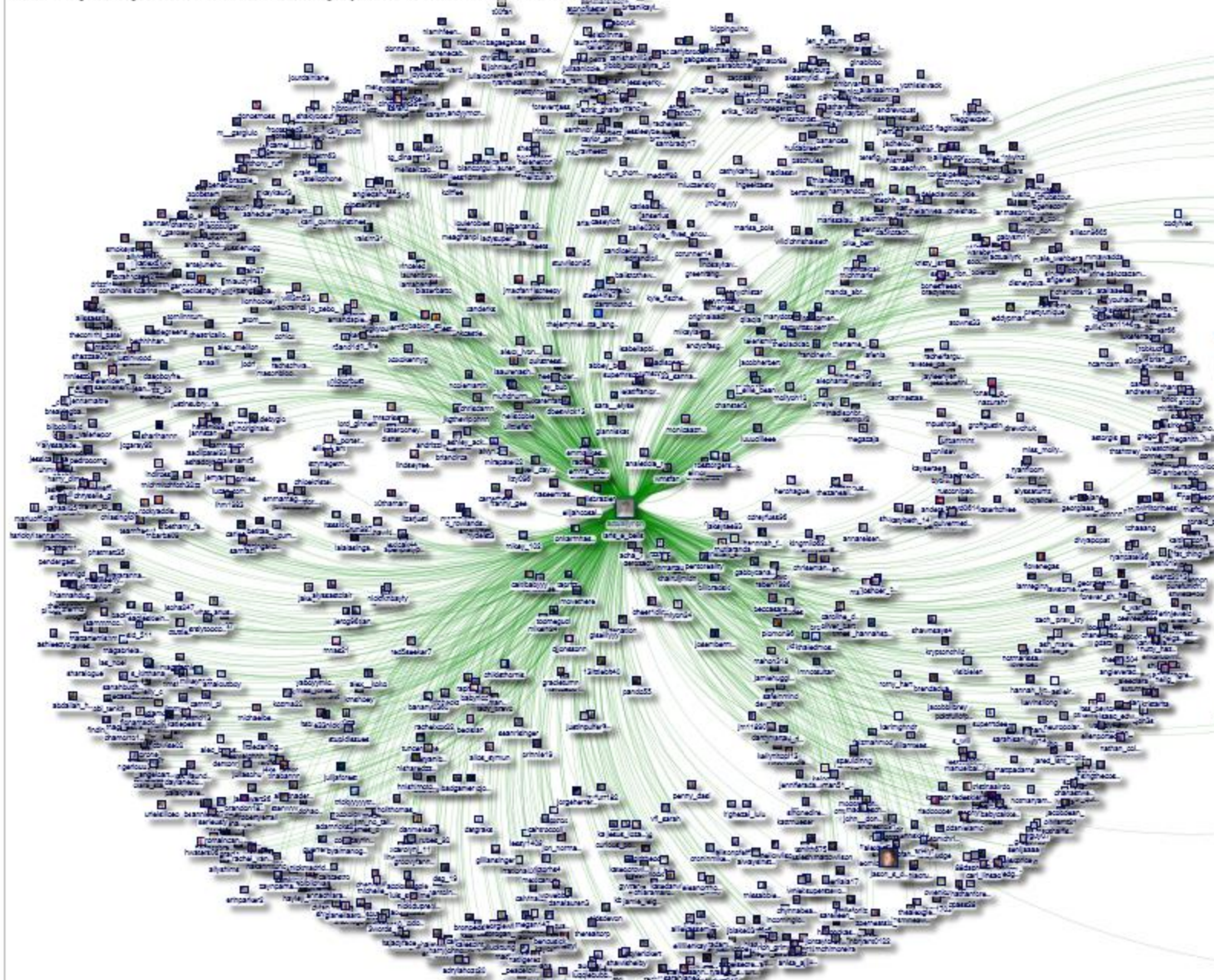
# NodeXL: Network Overview Discovery and Exploration for Excel 2007/2010

Gallery: <http://www.nodexlgraphgallery.org/Pages/Default.aspx>





G1: holy moly met mother actuallynph final finished initial read thru



G2: met mother read alydenisof today having last table carter craig

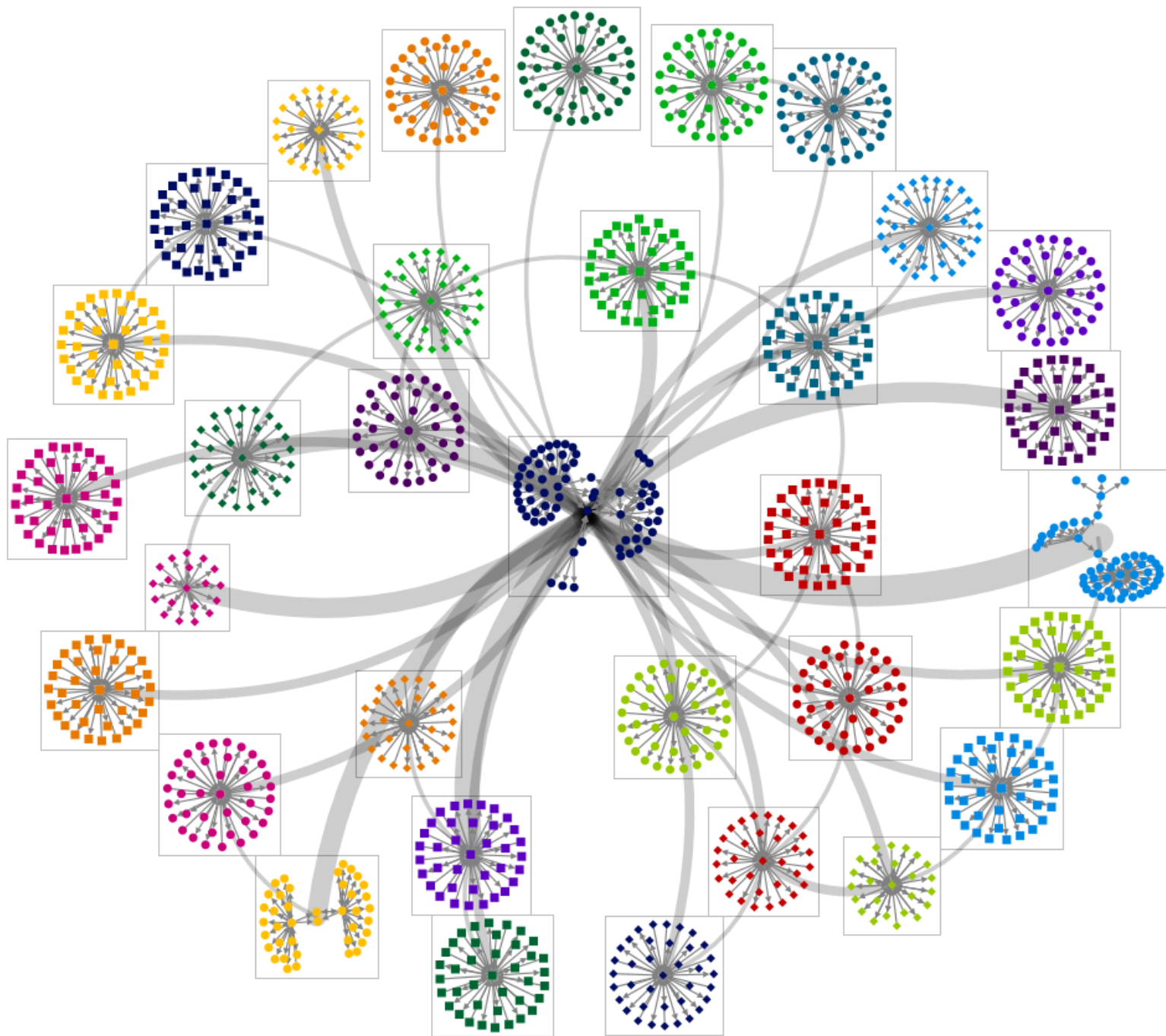


G3: met mother alyson hannigan watching first day books gig mother



G4: luke5s G5: math G6: mic





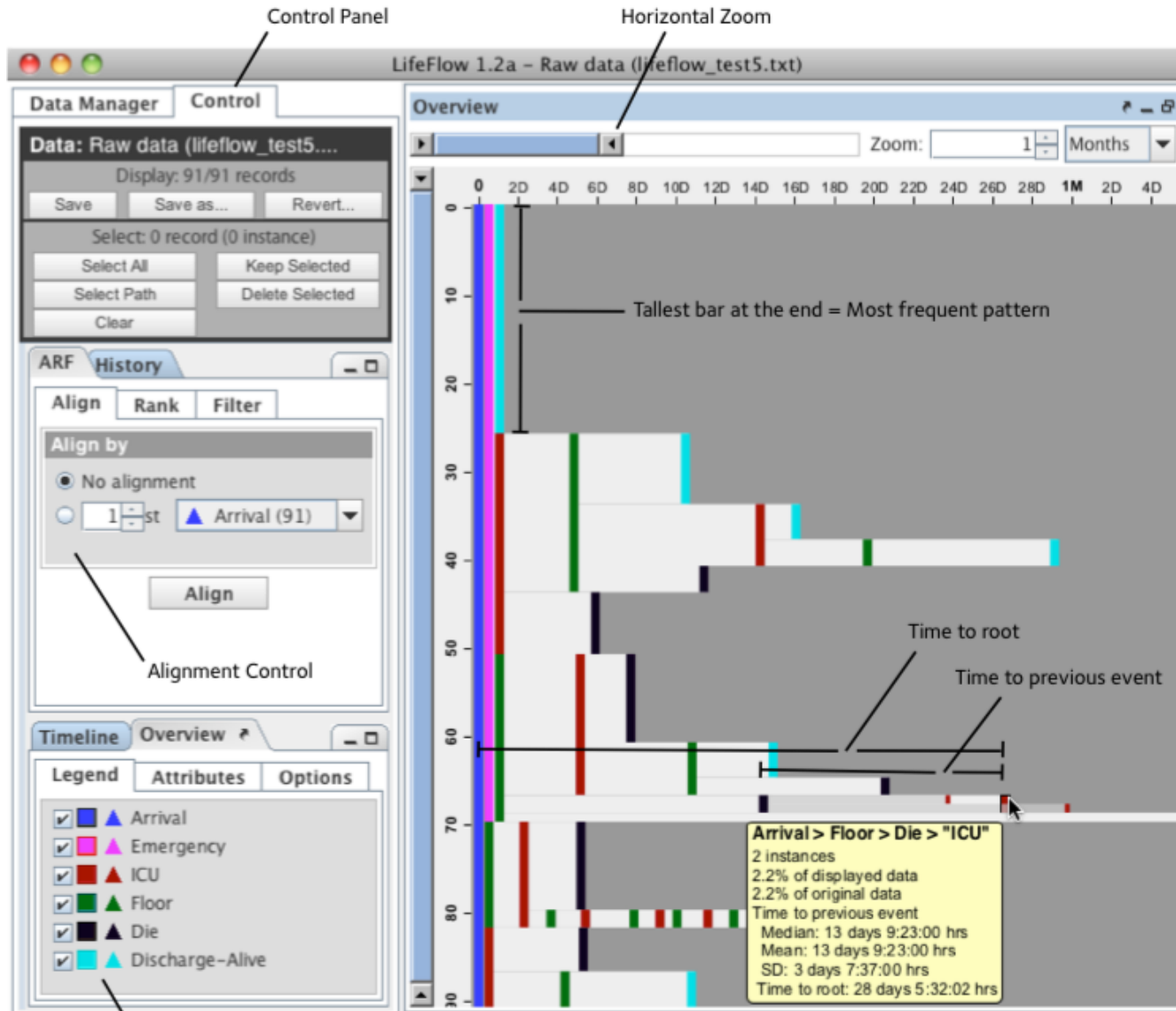


# Ben Shneiderman

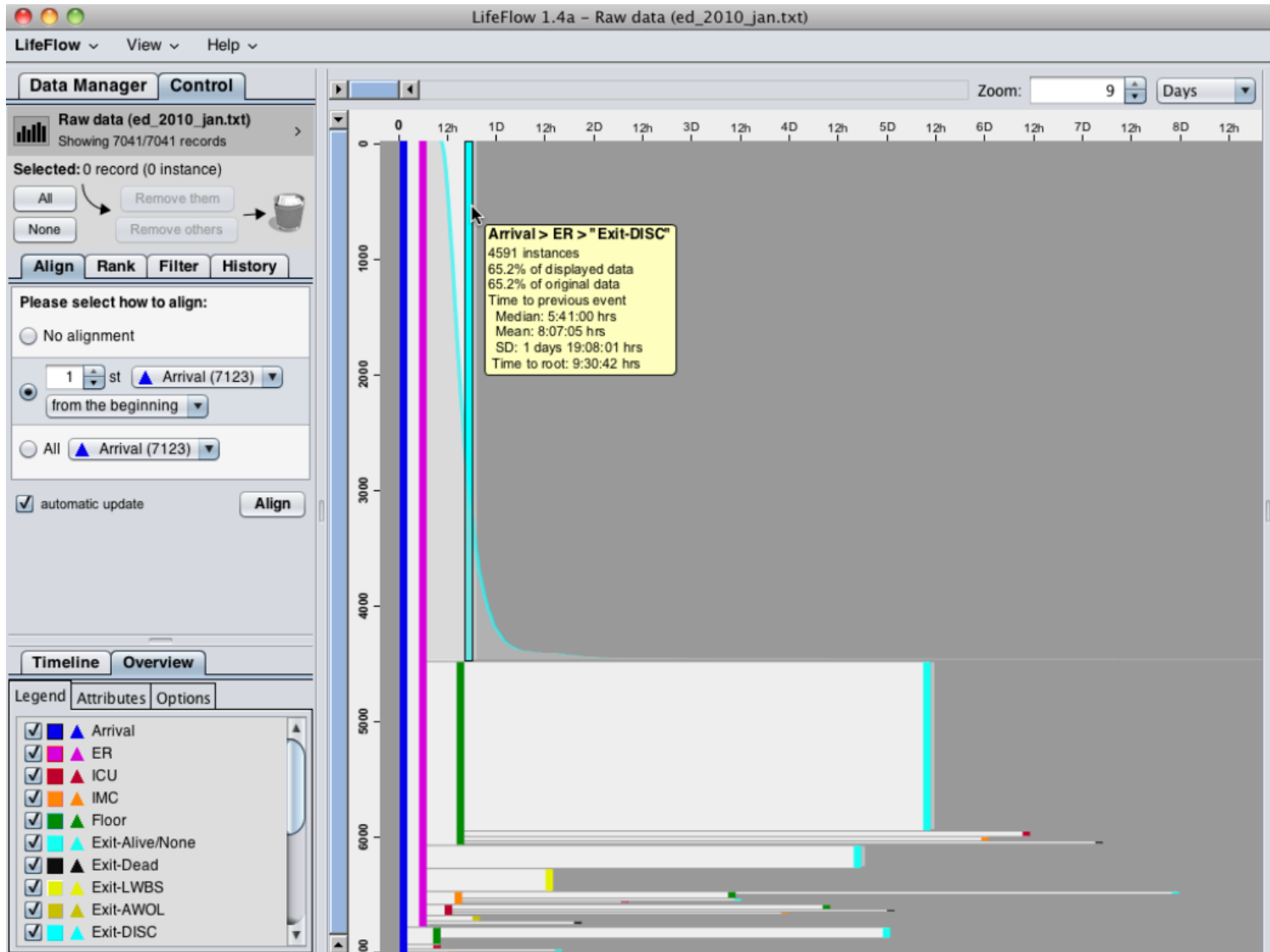
[http://www.youtube.com/watch?v=r1pKvDdLxV  
M](http://www.youtube.com/watch?v=r1pKvDdLxVM)

[http://www.cs.umd.edu/hcil/sharp/slides/UMD  
visit-HOUSTON-Dec2010-IntroBen.pdf](http://www.cs.umd.edu/hcil/sharp/slides/UMD<br/>visit-HOUSTON-Dec2010-IntroBen.pdf)

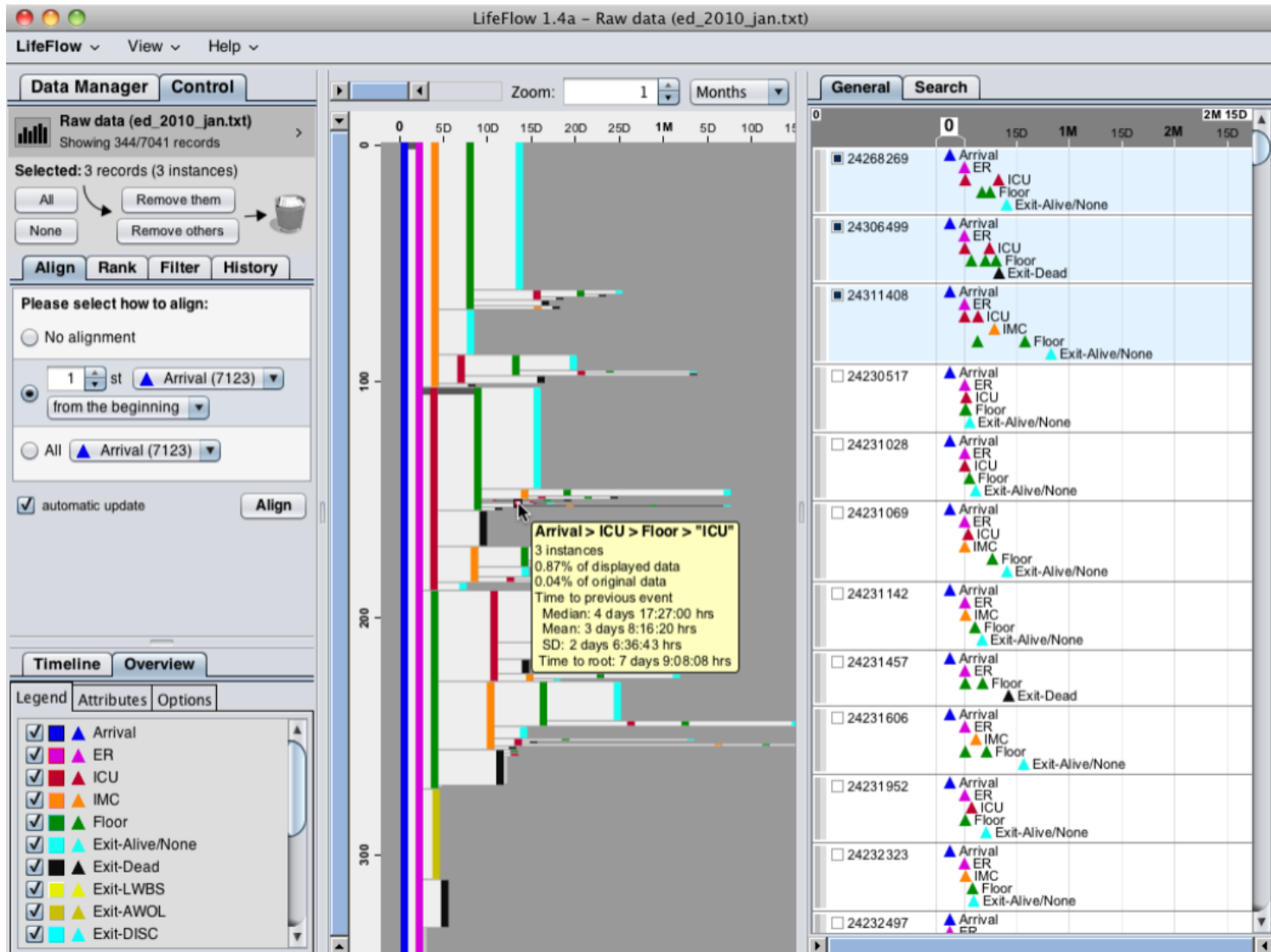
# LifeFlow: Interface with User Controls



# LifeFlow: Interface with User Controls



# LifeFlow: Interface with User Controls



# TimeSearcher

<http://www.cs.umd.edu/hcil/timesearcher/>

[http://www.youtube.com/watch?v=r1pKvDdLxV](http://www.youtube.com/watch?v=r1pKvDdLxVM)

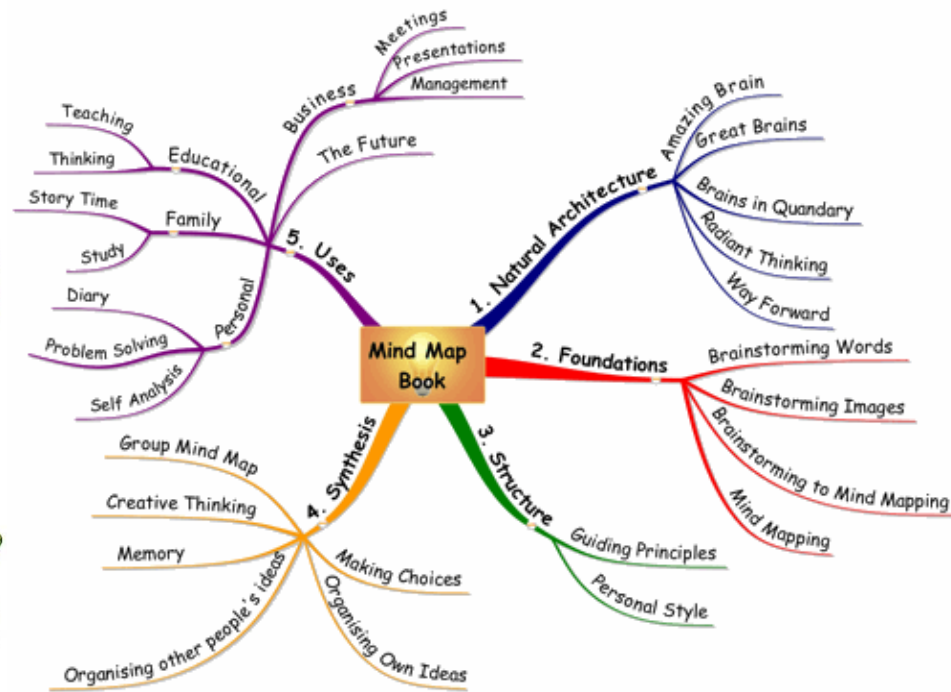
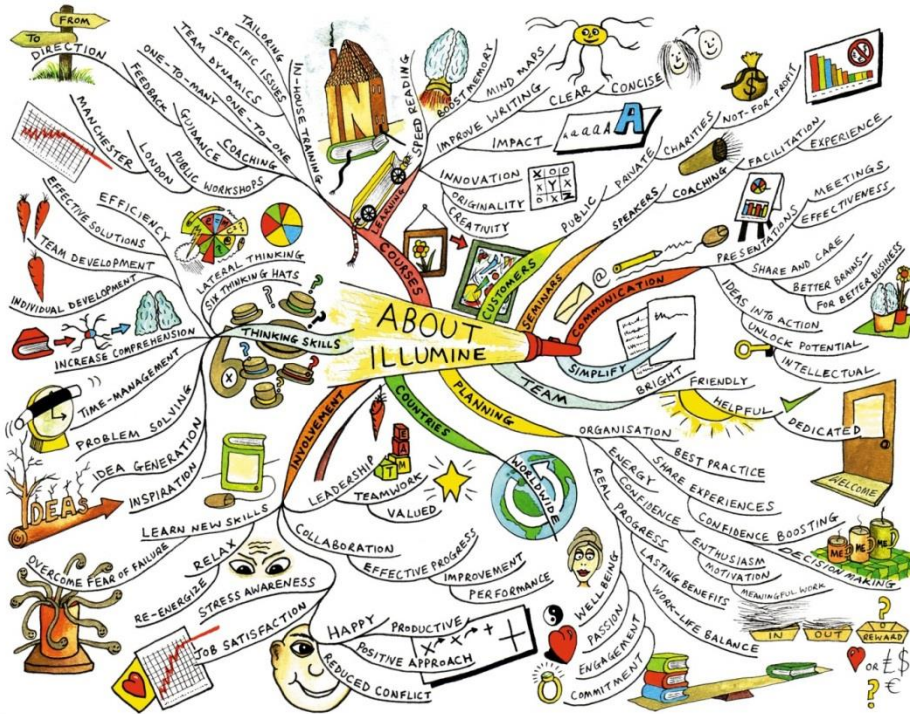
[M](#)

Time: 19:30

# Mind Maps

<http://www.youtube.com/watch?v=DsiwD4NMR68>

<http://www.youtube.com/watch?v=wLWV0XN7K1g>



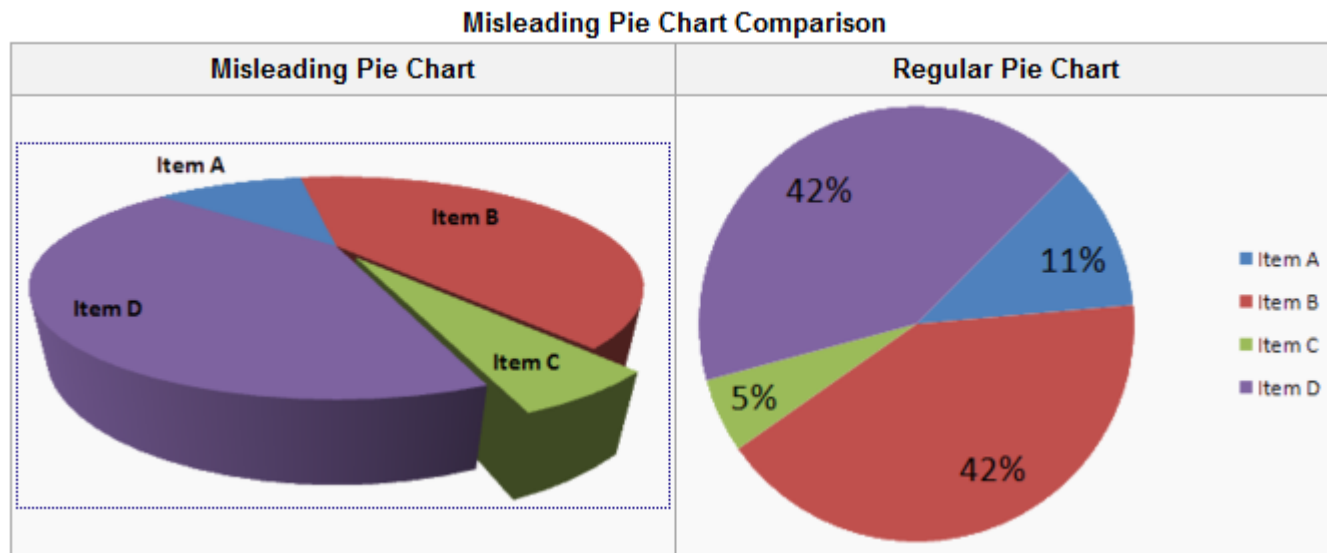
# Misleading representations



# Misleading representations

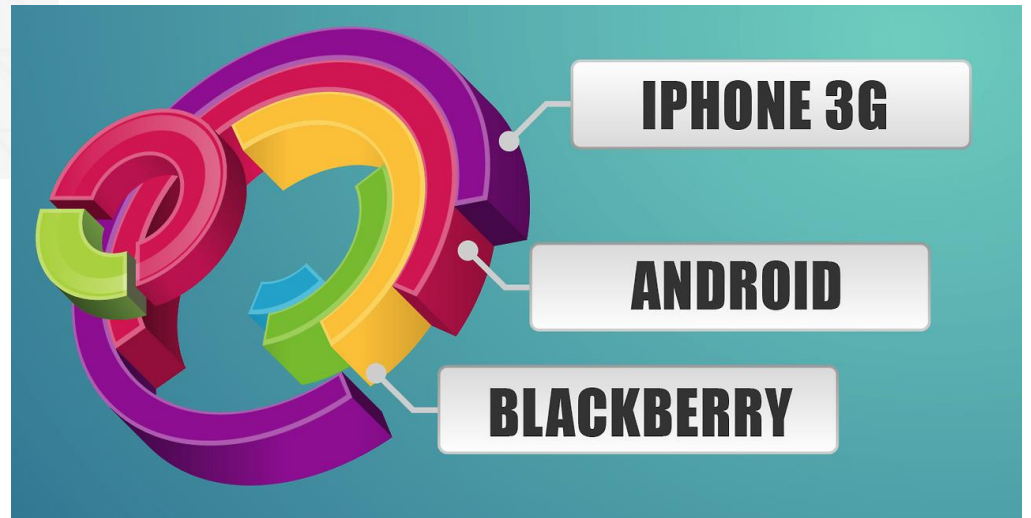
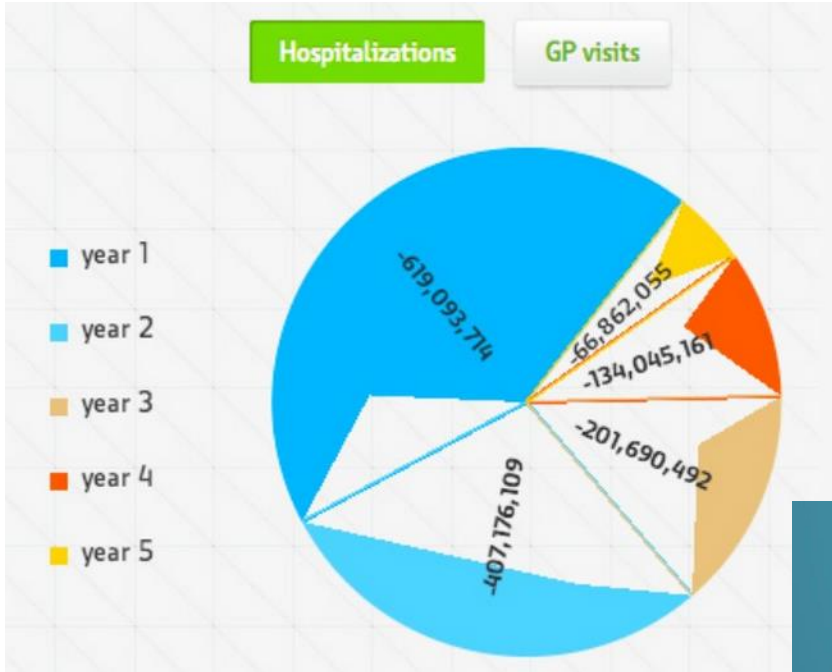
- Other examples:

[http://en.wikipedia.org/wiki/Misleading\\_graph](http://en.wikipedia.org/wiki/Misleading_graph)



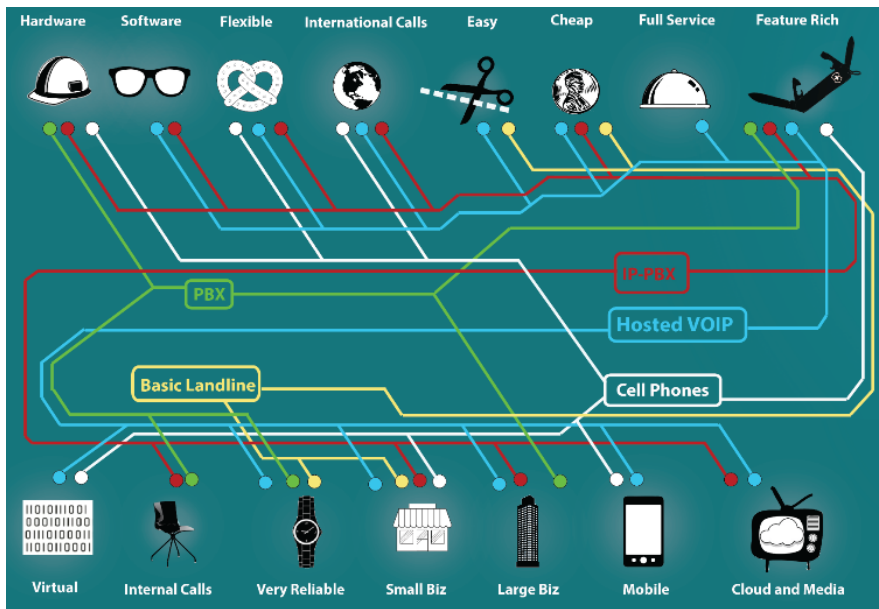


# Nonsense visualizations



# Nonsense visualizations

More here: <http://wtfviz.net/>



## HOW **BOOMERS** DESCRIBE THEMSELVES

