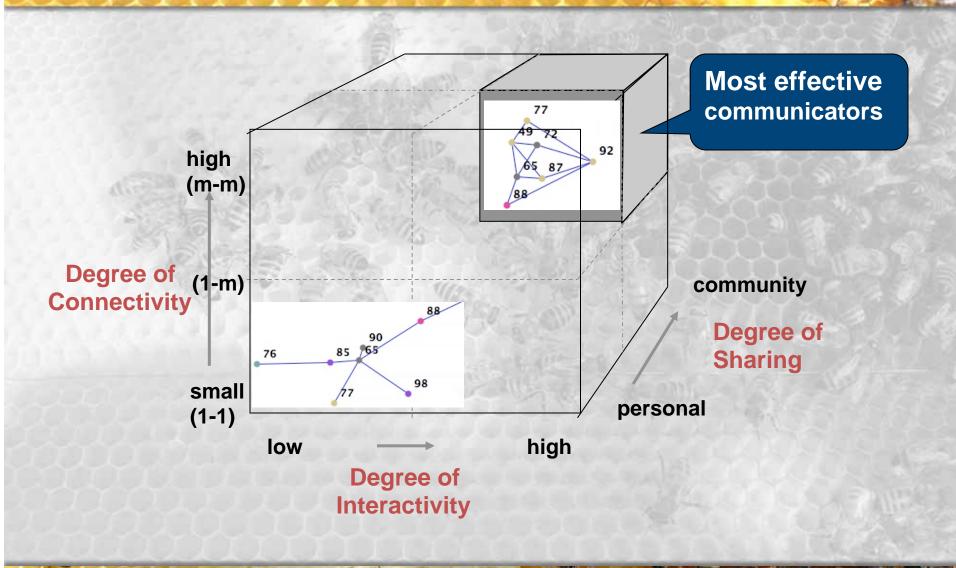


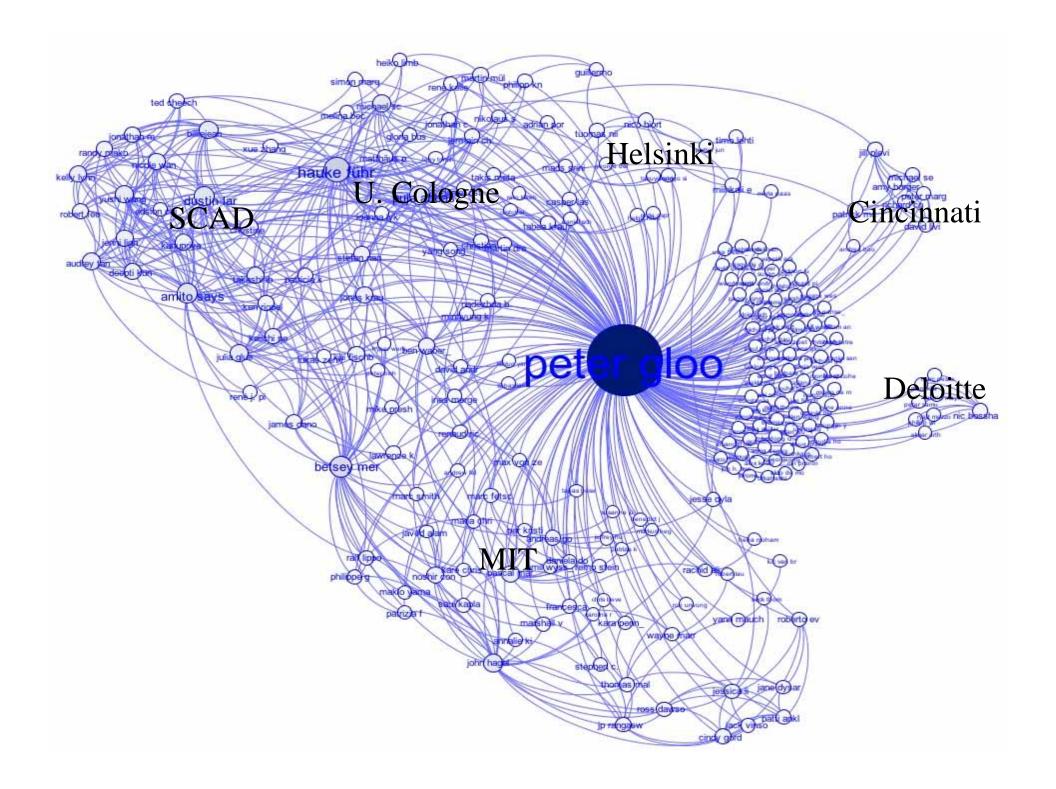


People for Innovation

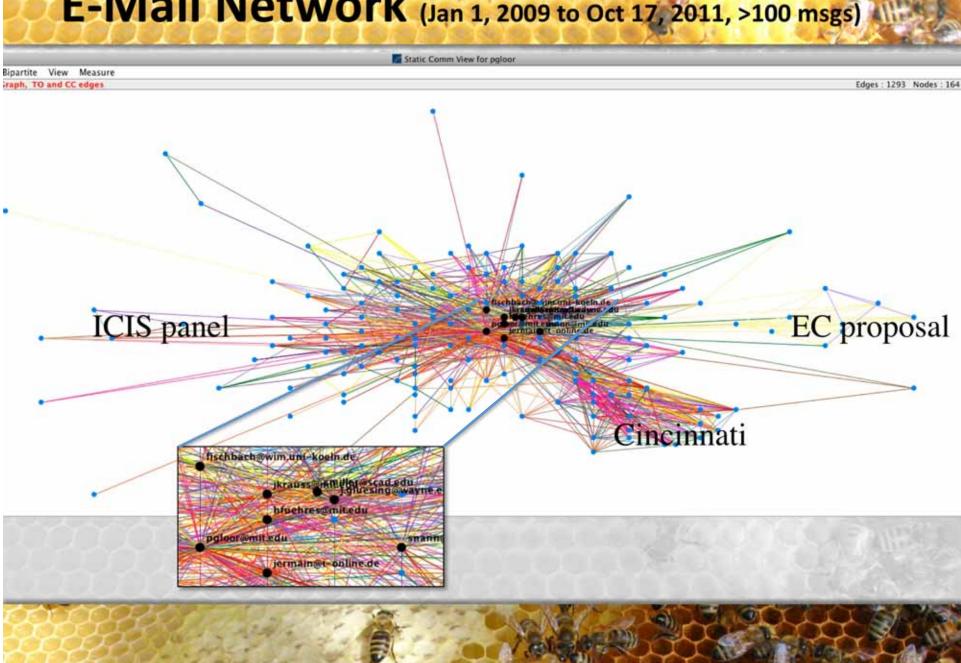


Characteristics of COINs members Star Galax

Don't be a star, be a galaxy



E-Mail Network (Jan 1, 2009 to Oct 17, 2011, >100 msgs)







Coolhunting Process

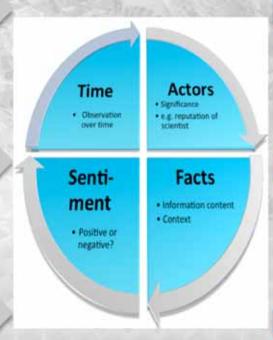
Input

Crowd Twitter/Web (Google, Bing, Yahoo)

Experts Blogs/Wikipedia

Swarm Forums/Facebook (Fanpages)

Analysis



Output





article articles bugatti buying car cars chevrolet chevroletvoltage Chevy chrysler company dodge driving edmunds electric engine experience ferrari focus ford general hybrid made miles

Content



Unit of Observation	Interaction Archives	Research Goals
World	Web/Blog/ Social Networking sites	Predict movie box office success Predict political elections Predict consumer sentiment Predict stocks
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100 Software Startups in Israel....



The Digital Divide

online alumni friends 0

+

online friends

0

successful founders from **public** universities

successful founders from **private** universities

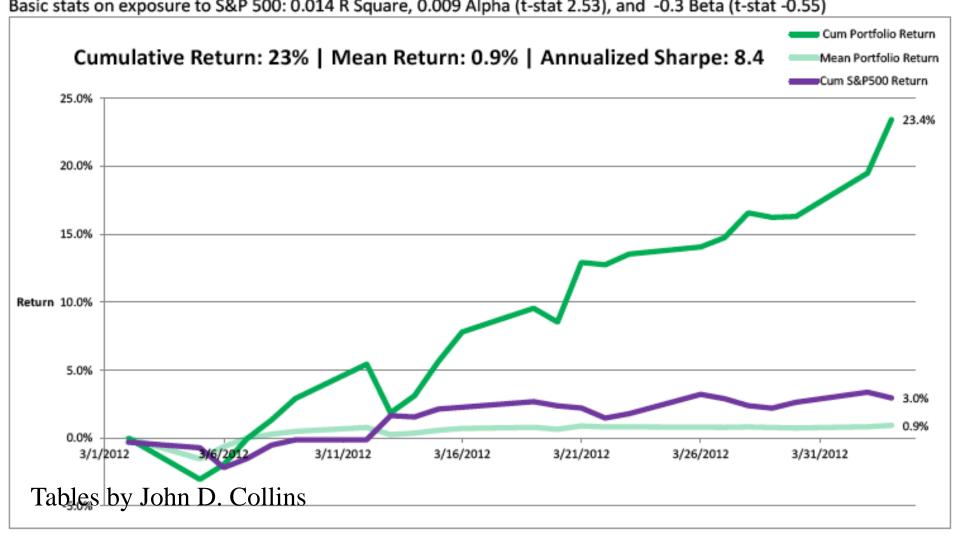
Predicting Oscars and Box Offices Success

Our Predictions on Janu		
Best Picture	Oscar Index	Motion Picture Nominations - 82nd Awards
Hurt Locker	18%	The Hurt Locker
Precious	18%	Precious
Avatar	17%	Avatar
Inglourious Basterds	15%	Inglourious Basterds
500 Days of Summer	12%	An Education
Up in the Air	11%	Up in the Air
Lovely Bones	9%	The Blind Side
		District 9
		A Serious Man
		Up

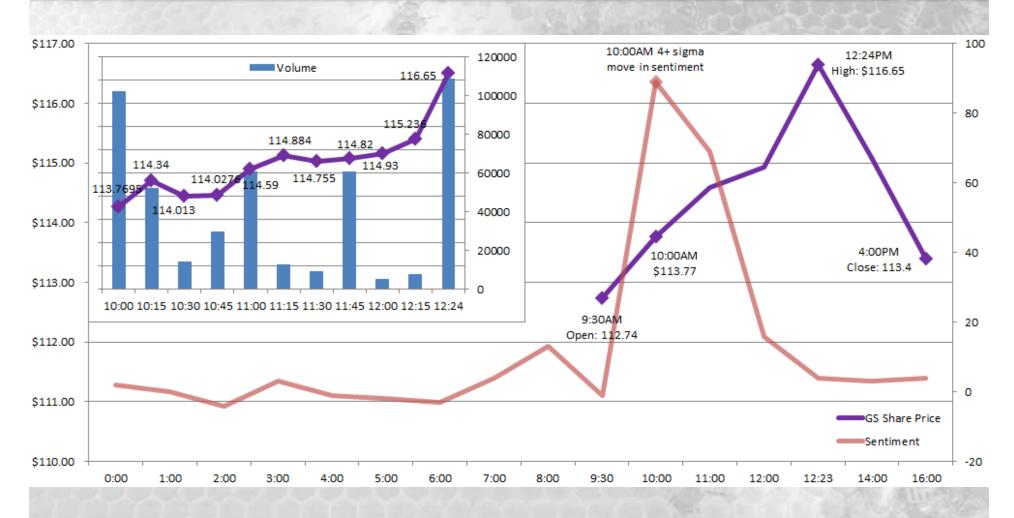
Twitter 74% Accuracy Predicting Energy Fund Next Day

Green Portfolio Results

Basic stats on exposure to S&P 500: 0.014 R Square, 0.009 Alpha (t-stat 2.53), and -0.3 Beta (t-stat -0.55)



Predicting "Black Swans" (Goldman Sachs)



Tables by John D. Collins

Twitter/Wikipedia predict performance (N=50)

Table 5 Correlation coefficient of betweenness centrality and financial performance of U.S. firms (Date collected during May-July, 2012)

Industry	Marke	t Cap.	Ann. I	Revenue	Ann. Net Income		
Industry	Twitter	Wikipedia	Twitter	Wikipedia	Twitter	Wikipedia	
Technology (P-Value)	.480** (0.001)	.611** (0)	.392**	.509**	.521**	.536**	
Transportation (P-Value)	.537**	.673** (0)	.516**	.534**	.525**	.473**	
Financial (P-Value)	.362* (0.011)	.732**	0.162 (0.265)	.487**	.300* (0.037)	.498**	
Utilities (P-Value)	.475** (0.001)	.536**	0.067 (0.645)	.561**	0.227 (0.117)	.325* (0.008)	
Chemical Manufacturing (P-Value)	.457** (0.001)	.498** (0.001)	.509** (0)	.671** (0)	.366** (0.009)	.439** (0.008)	

[&]quot;Significantly associated in .01 level (two-side); *Significant associated in 0.05 level (two-side)

Tables by Qiaoyun Yun

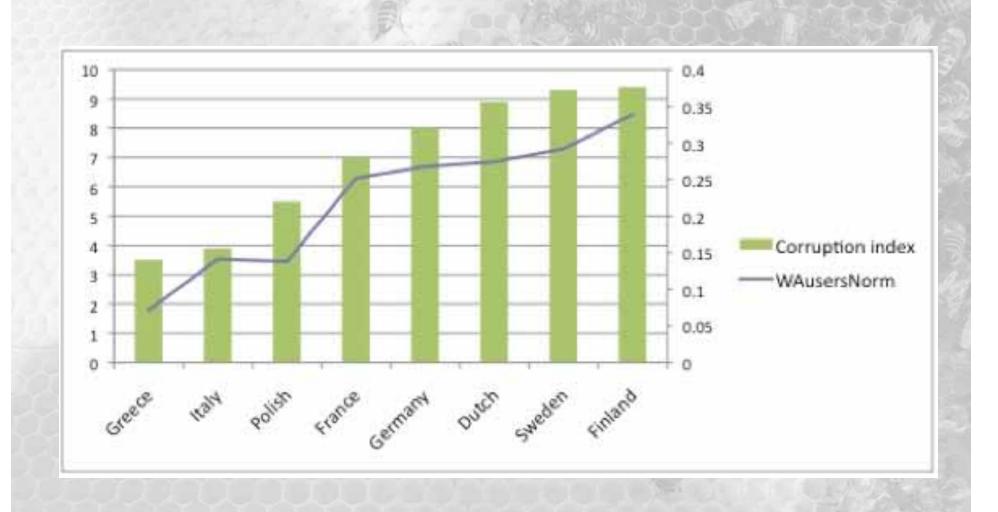
Blogs/Web predict performance (N=50)

Correlation coefficient of betweenness centrality and financial performance variables

United States Stock Market								China St	ock Marke	t			
	Market Cap.		et Cap. Ann. Revenue		. Revenue Ann. Net Income			Marke	et Cap.	Ann. R	evenue	Ann. Ne	et Income
Industry	Google Blog	Bing	Google Blog	Bing	Google Blog	Bing	Industry	Google Blog	Bing	Google Blog	Bing	Google Blog	Bing
Technology (P-Value)	0.111 (0.445)	-0.189 (0.249)	-0.108 (0.457)	-0.204 (0.214)	0.035 (0.812)	-0.188 (0.251)	Information Technology (P-Value)	.599**	0.08	.562**	0.094 (0.518)	.412**	0.057 (0.694)
Transportation (P-Value)	.524**	-0.06 (0.677)	.562**	0.041 (0.779)	.569**	-0.059 (0.686)	Transportation & Storage (P-Value)	.291*	0.222 (0.121)	.356*	.492**	0.233 (0.103)	0.157 (0.277)
Financial (P-Value)	.407**	-0.09 (0.534)	.488**	-0.092 (0.525)	.360*	-0.107 (0.46)	Finance & Insurance (P-Value)	.369*	.414**	.385*	.408*	.368*	.351*
Utilities (P-Value)	0.044 (0.764)	0.149 (0.313)	0.015 (0.919)	0.07 (0.639)	0.197 (0.176)	0.271 (0.063)	Electricity, gas and water production and supply (P-Value)	.448**	0.173 (0.23)	.280* (0.049)	.287*	.313* (0.027)	0.035
Chemical Manufacturing (P-Value)	-0.004 (0.98)	0.249 (0.081)	-0.107 (0.46)	.284* (0.046)	-0.129 (0.373)	0.071 (0.624)	Chemical Manufacturing (P-Value)	.338*	-0.121 (0.403)	0.131 (0.364)	-0.132 (0.361)	0.169 (0.24)	-0.129 (0.372)

Tables by Qiaoyun Yun

Wikipedia predict's a country's performance



Wikipedia predict's a country's performance

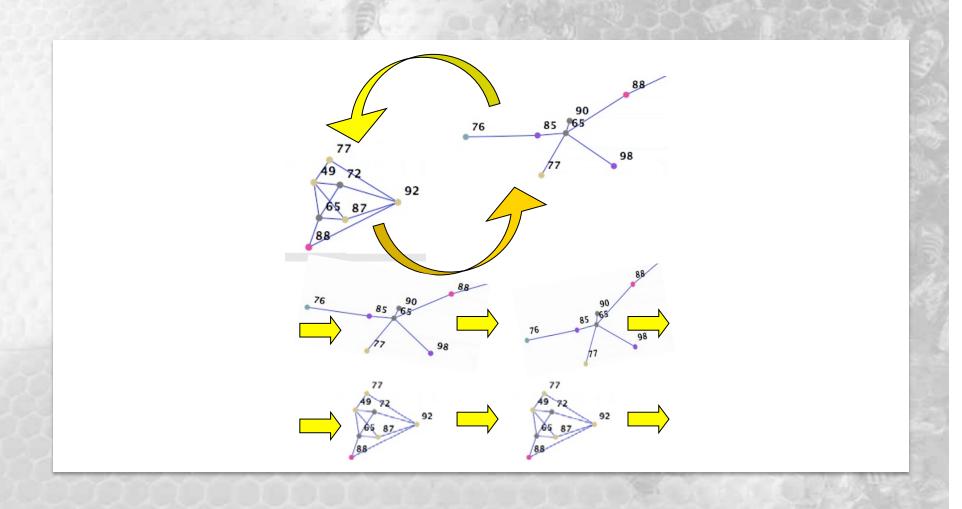
	Corrup tion index	CDS July 5, 2012	Population	Num Wikipedi a Articles	Wikipedia edits	Wikipedi a users	Active Wikip users
Greece	3.5	15039	11305000	75144	3500856	106093	808
Italy	3.9	498	60800000	936718	55296652	766219	8580
Germany	8	97	81799000	1429236	110035421	1456716	21886
France	7	184	65350000	1268485	85689403	1319316	16464
Sweden	9.3	57	9415000	479187	17738089	280297	2747
Finland	9.4	72	5410000	300676	12425618	207673	1832
Netherland	8.9	110	16847000	1052264	32144337	465510	4615
Poland	5.5		38186000	906664	31993958	497834	5265

		wikinorm	wausernorm	weditnorm	wusernorm
corruption	Pearson Correlation	.830*	.961**	.941**	.898**
	Sig. (2-tailed)	.011	.000	.000	.002
	N	8	8	8	8
CDS_rate	Pearson Correlation	514	782*	742	571
50000	Sig. (2-tailed)	.238	.038	.056	.181
	N	7	7	7	7

^{*.} Correlation is significant at the 0.05 level (2-tailed). **. Correlation is significant at the 0.01 level (2-tailed).

Unit of Observation	Interaction Archives	Research Goals
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Organization	Intranet/E-Mail/ phone log	Predict project success Predict startup success
Individual	Web/Blog/E-Mail/ phone log/ sociometric badges	Predict personality characteristic Predict team success

Creativity and Performance of Eclipse Developers



KFO - How it works

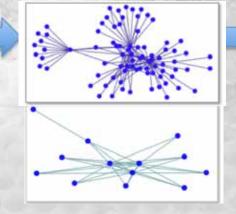
1.
Collect
social
network
data

Compute social interaction networks

3.
Compare
with
success
indicators

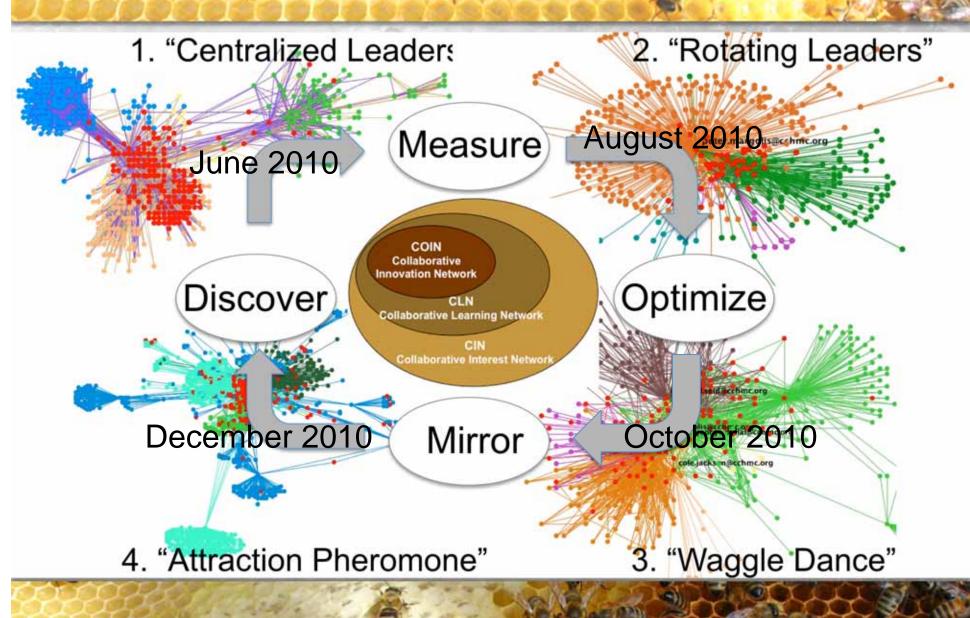


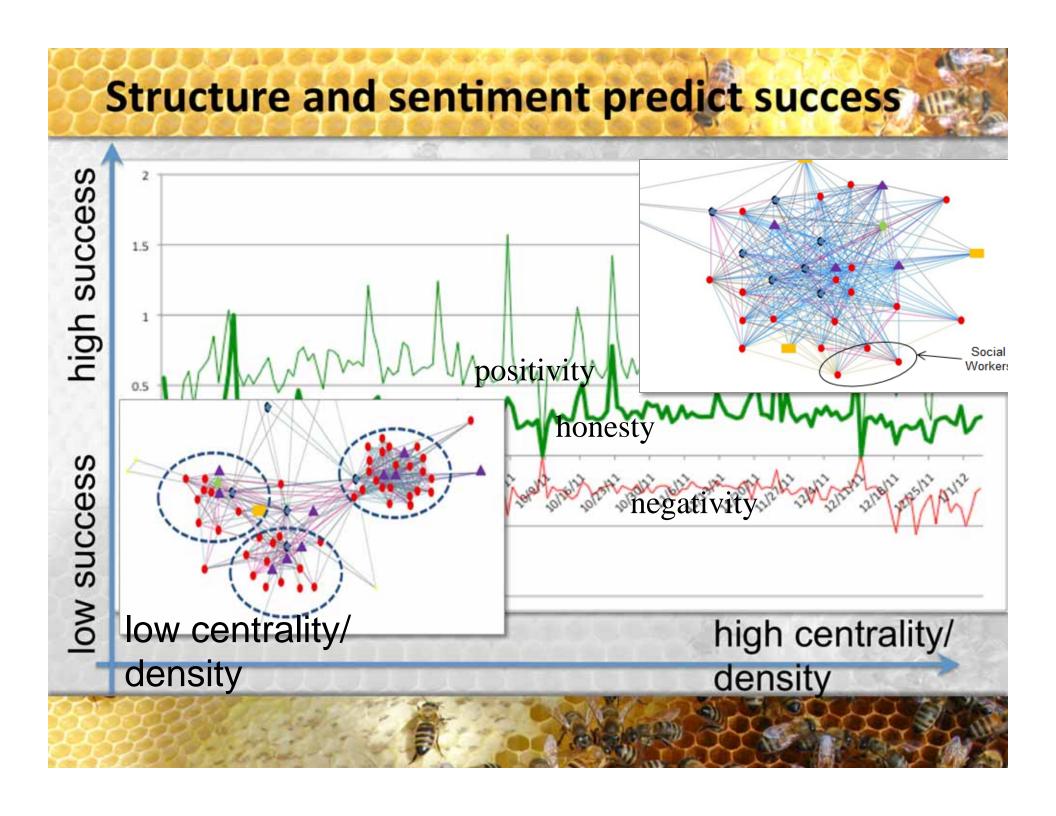


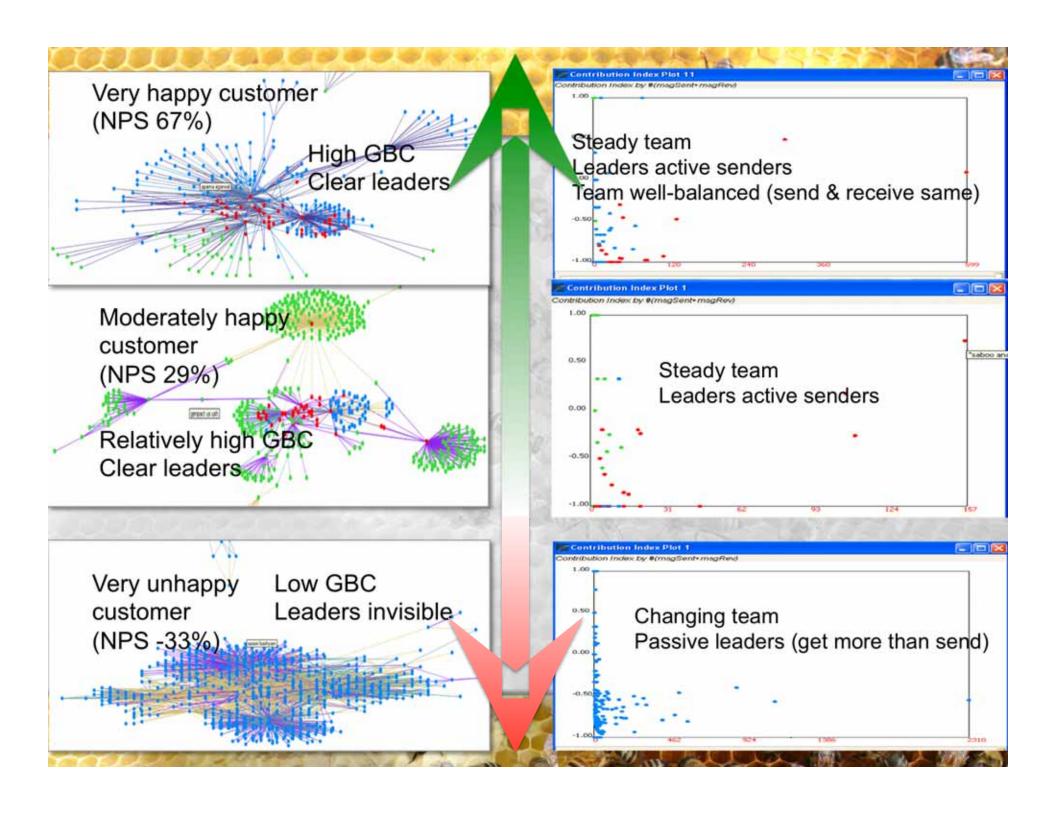




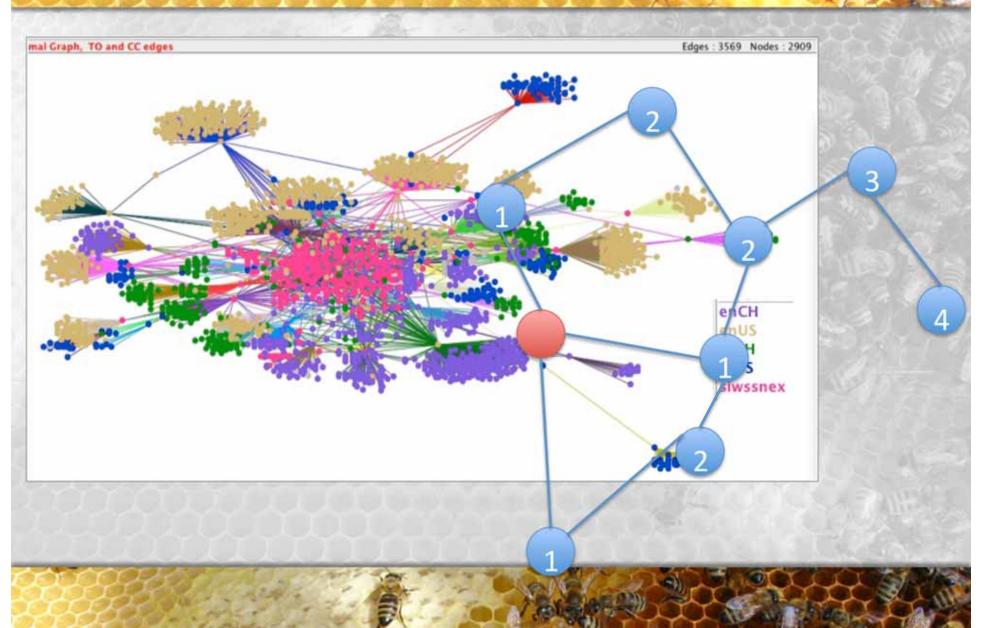
Knowledge Flow Optimization







Close to the Galaxy Everybody is a Star



Unit of Observation	Interaction Archives	Research Goals
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Individual Signals

