

Visualization as a reporting tool

Sarah Cohen
Walter Cronkite School of Journalism

Goals

- Combine place and time to find the most representative or compelling examples to investigate
- Link organizations and people in proper chronological order
- Integrate structured and unstructured data
- Move toward visualizations for publication, in print and on the Web

Net contributions

H. Clinton (D)	\$26,041	
B. Obama (D)	\$25,666	
M. Romney (R)	\$20,737	
R. Giuliani (R)	\$14,732	
J. Edwards (D)	\$14,022	
J. McCain (R)	\$12,993	
B. Richardson (D)	\$6,237	
C. Dodd (D)	\$4,044	
J. Biden (D)	\$2,111	
S. Brownback (R)	\$1,257	
T. Tancredo (R)	\$1,186	
R. Paul (R)	\$640	
M. Huckabee (R)	\$544	
D. Hunter (R)	\$500	
D. Kucinich (D)	\$345	
T. Thompson (R)	\$315	
J. Gilmore (R)	\$175	
M. Gravel (D)	\$11	

Map and timeline show net contributions

All amounts are shown in \$1,000s

Contributions for 100 largest zip code



Net Contributions by Date

The Washington Post

Spending	Contribution:
Contributions	\$25,709
Individuals	\$25,706
PACs	\$3
Candidate	\$0
Refunds	\$43
Net contributions	\$25,666
Transfers	\$0
Loans	\$0
Ending cash	\$19,193
Maxed-out donors	\$12,589
Gen. election funds	\$179

Report for: Current filing period Cycle-to-date

[Overview](#) [Contributions](#) [Spending](#) [Primary only](#)

Democrats

Name		Net contributions	Net Spending	Ending cash	Outstanding debt	Burn rate
B. Obama		\$36,002 ▲	\$29,747 ▼	\$24,940 ▲	\$1,105 ▲	82.6% ▼
H. Clinton		\$13,788 ▼	\$27,645 ▼	\$29,186 ▼	\$7,577 ▲	200.5% ▲
J. Edwards		\$3,906 ▼	\$4,649 ▼	\$7,058 ▼	\$9,073 ▲	119.0% ▼

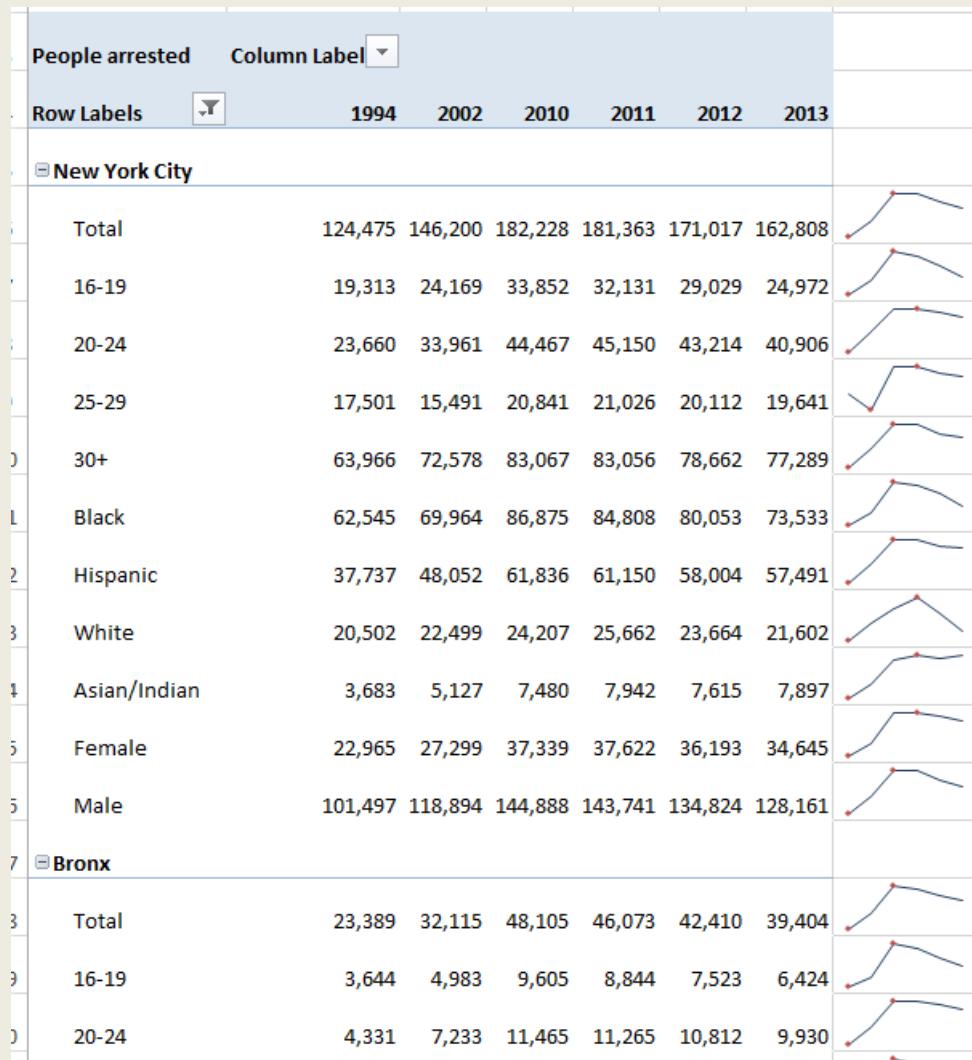
Net spending is operating expenses + exempt expenses - offsets. Burn rate is net spending / net contributions

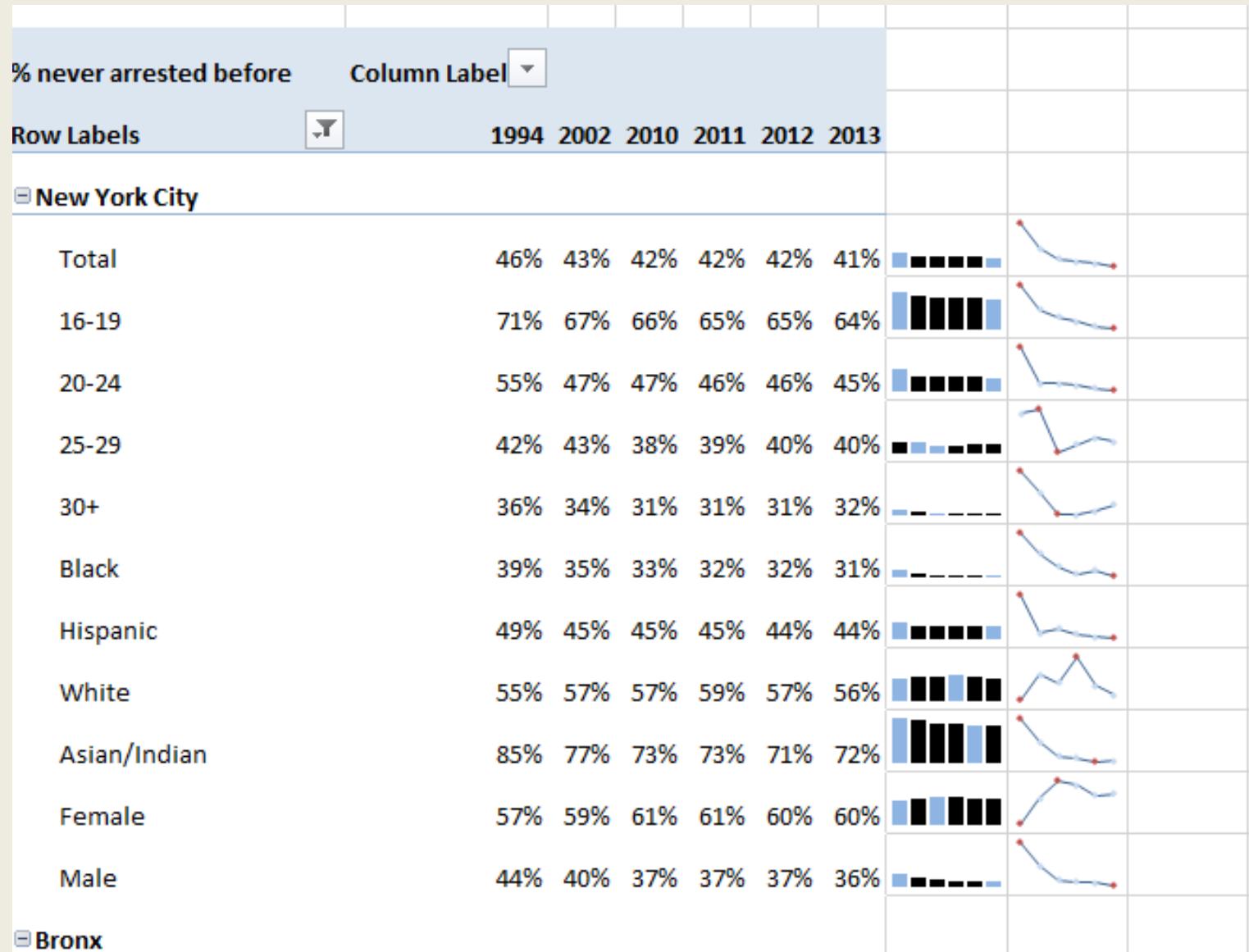
Republicans

Name		Net contributions	Net Spending	Ending cash	Outstanding debt	Burn rate
J. McCain		\$11,664 ▲	\$10,365 ▲	\$5,198 ▲	\$5,535 ▲	88.9% ▼

By type of program

Program	1995 2000	1996 2001	1997 2002	1998 2003	1999 2004	5-year totals
Subsidies	\$6,061,941	\$6,494,147	\$6,750,110	\$12,260,115	\$17,311,068	\$48,877,382
	<u>\$18,826,451</u>	<u>\$15,772,912</u>	<u>\$15,014,307</u>	<u>\$10,070,606</u>	<u>\$8,554,388</u>	<u>\$68,238,665</u>
Direct payments	\$0	\$6,414,273	\$6,601,778	\$6,797,019	\$6,583,348	\$26,396,418
	<u>\$6,113,644</u>	<u>\$5,045,602</u>	<u>\$5,651,569</u>	<u>\$5,771,002</u>	<u>\$5,676,769</u>	<u>\$28,258,586</u>
Counter Cyclical / Market loss	\$6,039,961	\$0	\$0	\$3,382,325	\$6,587,431	\$16,009,717
	<u>\$6,552,483</u>	<u>\$5,703,783</u>	<u>\$4,284,267</u>	<u>\$478,798</u>	<u>\$1,605,087</u>	<u>\$18,624,418</u>
Marketing loan programs	\$0	\$0	\$1,693	\$94,456	\$3,059,214	\$3,155,363
	<u>\$4,292,105</u>	<u>\$4,624,342</u>	<u>\$4,125,220</u>	<u>\$2,113,094</u>	<u>\$894,947</u>	<u>\$16,049,709</u>
LCP	\$0	\$0	\$0	\$0	\$0	\$0
	<u>\$0</u>	<u>\$0</u>	<u>\$640,609</u>	<u>\$0</u>	<u>\$0</u>	<u>\$640,609</u>



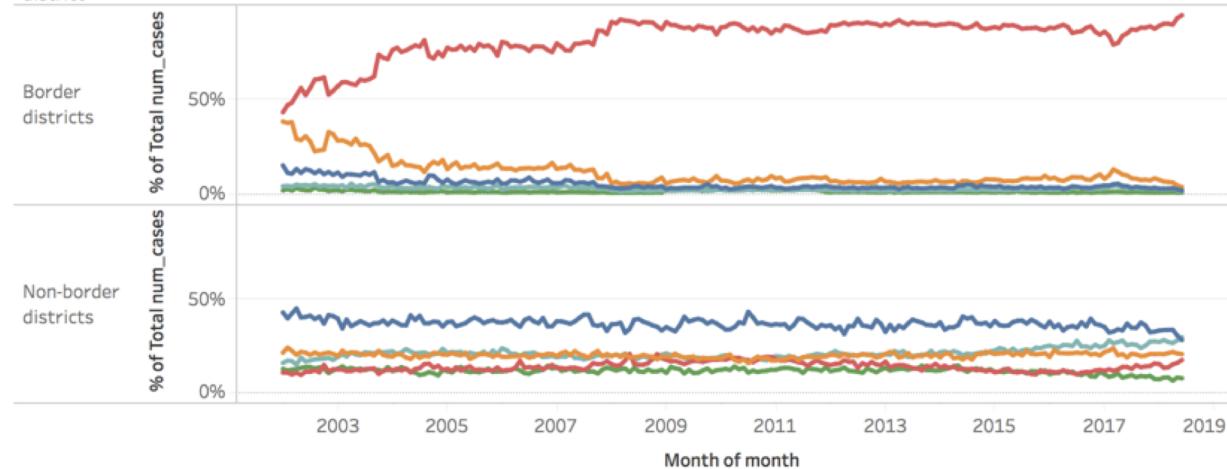


Plan name	
AETNA BETTER HEALTH
AGEWELL NEW YORK
ALPHACARE
AMERIGROUP
ARCHCARE COMMUNITY LIFE
CCM SELECT
CENTERS PLAN FOR HEALTHY LIVING
ELANT
ELDERPLAN
ELDERSERVE
EXTENDED MLTC
FIDELIS CARE AT HOME
GUILDNET
HAMASPIK CHOICE
HHH CHOICES
HIP OF GREATER NEW YORK
HOMEFIRST
INDEPENDENCE CARE SYSTEMS
INTEGRA
METROPLUS
MONTEFIORE HMO
NORTH SHORE-LIJ HEALTH PLAN

	Case Type / Year of Case Open Dt										
Portfolio	Holdover						Non-Payment				
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015
4-8 Manhattan		
115th Street
Amsterdam portfolio		
Beacon
COSO Manhattan Ave.
Dermot
Friendset				
Hells Kitchen
Simon Development			
Tahl-Propp Equities
Treetop 1		
Treetop 2	

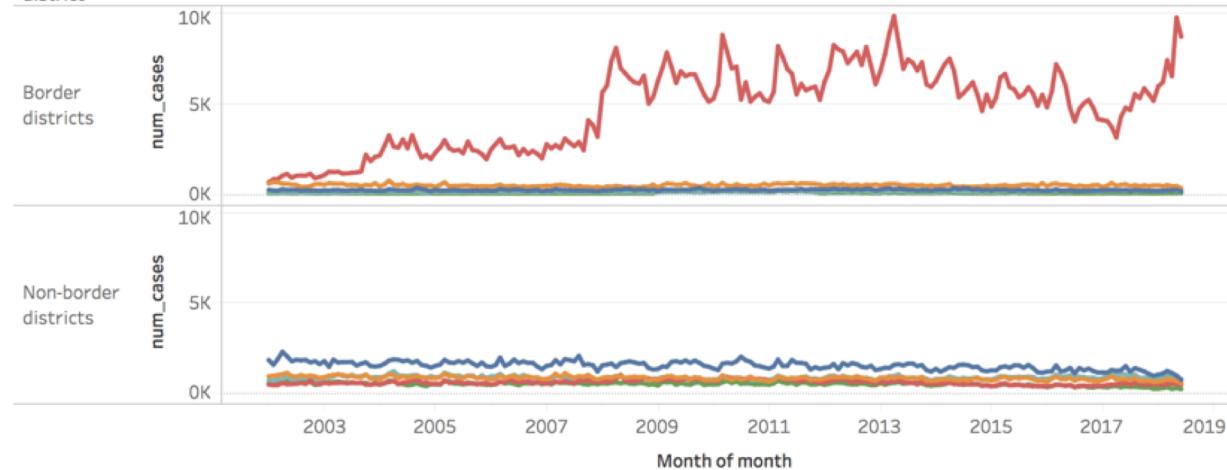
Programs as a percent of total, by district type

district



Programs, in # of cases filed

district



Results Met With Indifference, Indignation

Results of the city's water testing last year showed elevated lead levels for more than 4,000 of the 6,118 homes tested. The District map below shows only the households with lead readings 10 times the limit set by the Environmental Protection Agency—15 parts per billion. An informal, door-to-door survey of residents in selected neighborhoods revealed little interaction between neighbors—including those whose homes tested very high and those whose homes had not been tested. Many residents seemed uninformed or unconcerned about the health dangers posed by lead in the tap water.



HOW THIS MAP WAS CREATED

- The Post database is based on lead-testing results provided by Dorothy Brizel, a city activist who operates a waterwatchdog.com, an independent Web site that monitors environmental health. The Post matched the results against property records to obtain more detail on the homes. Post reporters also verified many of the individual results with residents who had received official letters from the D.C. Water and Sewer Authority.

Errors can occur in the readings for a range of reasons. The water samples, drawn by trained volunteers, can be difficult to draw correctly. Errors in data entry and computer software affect accuracy. The scanning and matching process introduces another potential source of error. WASA has refused to release the original data results through the D.C. Freedom of Information Act, making further fact checking impossible.

"We've been drinking bottled water for some years, but now I make sure we cook with it. It's a scary situation. Everyone in the neighborhood basically is buying water."

"It doesn't make sense to me. People have been living here 80 to 90 years in some cases, and it seems like they'd be having problems if it was bad for you. I'm wondering if WASA is just coming up with all this as a way to make money."

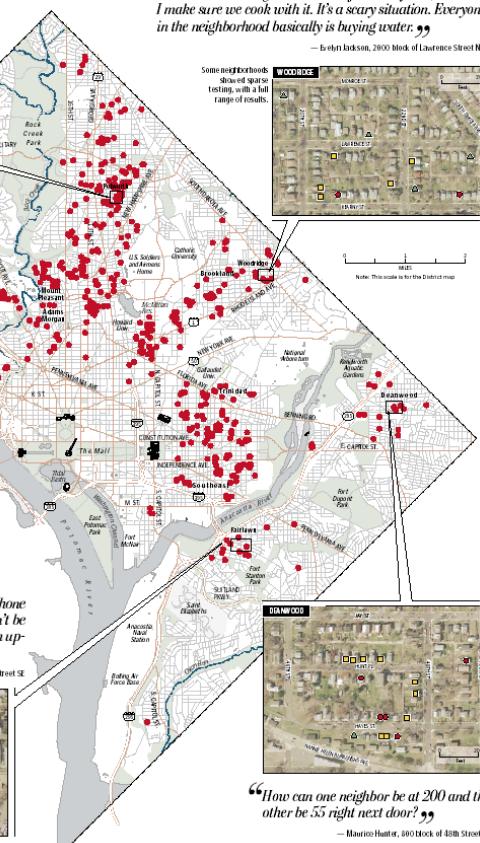
— Ernest Fitzgerald, 600 block of Emerson Street NW



Vince Hawkins Jr. of Petworth buys bottled water each month, but his WASA bills have tripled in recent years.

“It was very upsetting for me that they didn’t just pick up the phone and say the lead in your water is very high and you shouldn’t be drinking it. They didn’t explain it to me. ...They haven’t been upfront with us and honest about what is going on.”

—Annie Besant, 17th Street S.

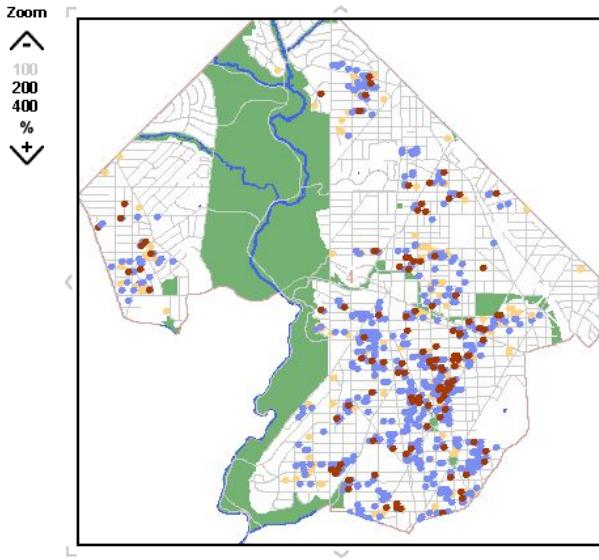


"How can one neighbor be at 200 and the other be 55 right next door?"

Hawkins-Hunter, 2000 (Issue of June 2000)

D.C. Lead Test Results: Ward 4

Click on the dots to see first and second draw lead test results for those homes. You can zoom in by clicking on the zoom scale below and to the left. You can move around the ward by clicking the arrows at the edges of the map.



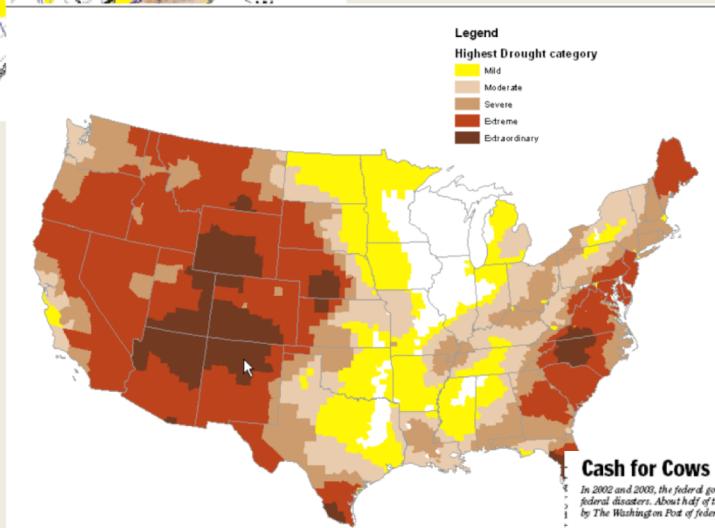
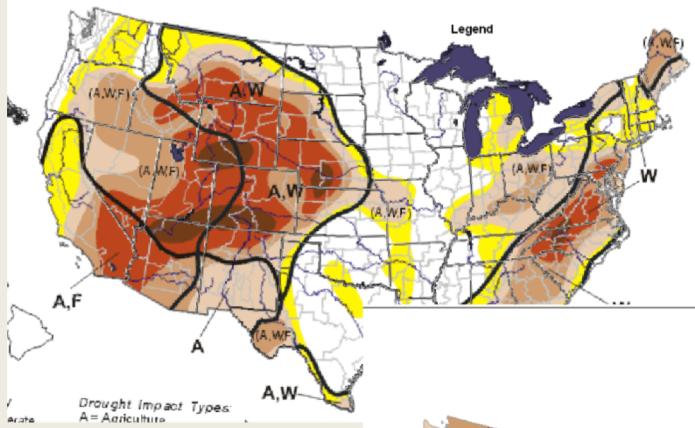
Legend

Results of 2nd draw

- 15 ppb and below
 - Between 15 and 150 ppb

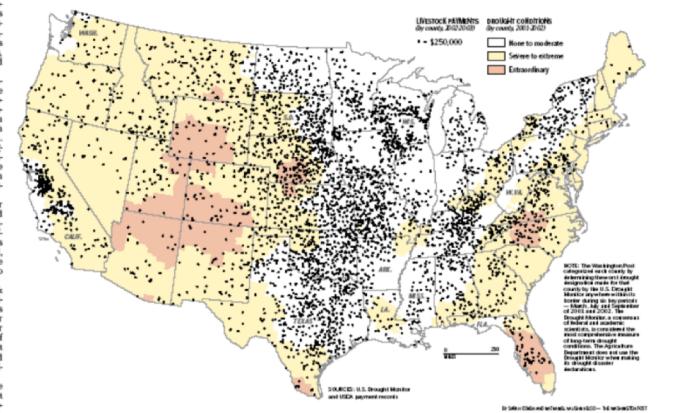
Drought Monitor

September 24, 2002
Valid 8 a.m. EDT



Cash for Cows

In 2002 and 2003, the federal government paid ranchers and dairy farmers \$1.2 billion to compensate for higher feed costs in counties designated as federal disasters. About half of that money, however, went to producers in counties that experienced moderate or no drought, according to an analysis by The Washington Post of federal payment records and historical drought maps.



qryForChecking : Select Query									
Department	Edited	FactChecked	LinkToOrig	TravelDate	OfficialName	OfficialTitle	LocationCity	LocationState	Description
► Interior	Yes	Yes	http://www.doi.gov/news/040902_nps.htm	9/2/2004	Craig Manson	Assistant Secretary	Bayfield	WI	At Apostle Islands National Lakeshore, announced the completion of its wilderness study.
Labor	Yes	Yes	http://www.dol.gov/opa/media/press/msha/MSHA20041943.htm	9/28/2004	Dave D. Lauritski	Assistant Secretary	Las Vegas	NV	With the National Mining Association, presented awards to nine operators for their safety records.

On	Amount	Notes	Program
re,	\$0.00	Visited Apostle Islands National Park to announce the completion of the park's wilderness study, which was to be published in the Fed Register the next day. Fed govt wanted to protect about 80 percent of the land area.	Wilderness Act
Mining related operations	\$0.00	conference cooperative alliance to foster more safety and health in mines. Also presented awards for safety and health. DeRocco was also there.. Can't tell if it is a conference or what.	

Rove's Asset Deployment

Before the 2004 election, the White House political team directed appointees to tout grants, policy decisions and other administration actions in competitive states for the presidential race and key media markets. Top officials also traveled on official business to districts with close congressional elections in coordination with the president's team.

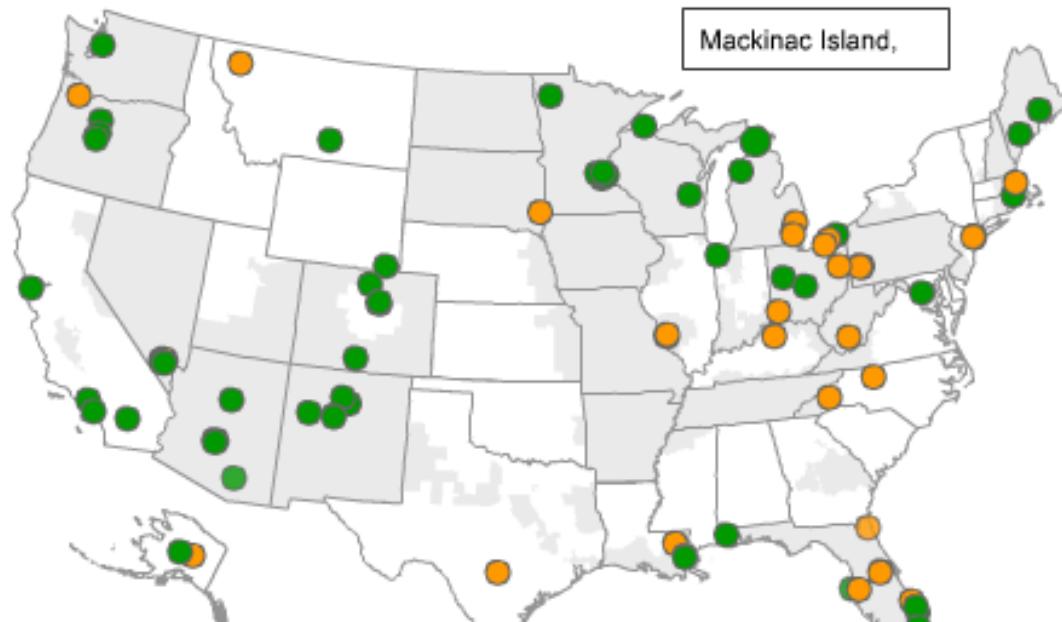
The Washington Post analyzed the travel of two cabinet members and their immediate deputies. More than three-quarters of the trips in the final five months of the election were in areas identified by the White House more than a year earlier, according to documents obtained by congressional investigators. Many of the rest were in areas with close congressional races.

Click on a dot for more information

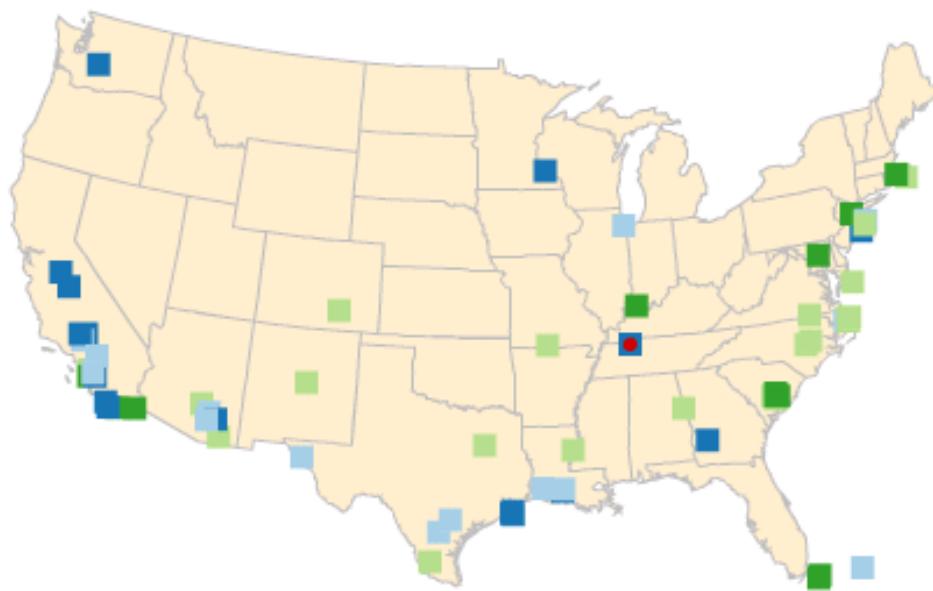
Key media markets and areas with competitive elections

Labor Secretary Elaine Chao and top deputies

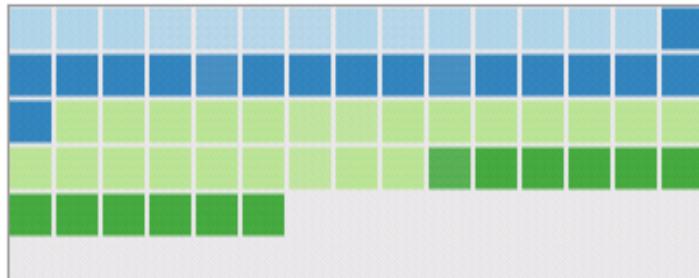
Then-Interior Secretary Gale Norton and top deputies



June 4: Mackinac Island, Mich.
Gale A. Norton, Secretary
Speech on national energy
issues at the Detroit
Regional Chamber of
Commerce's annual
Mackinac Policy
Conference.



By age



Click on a square to see more details and to locate it
on the map

FANKEU, Samou

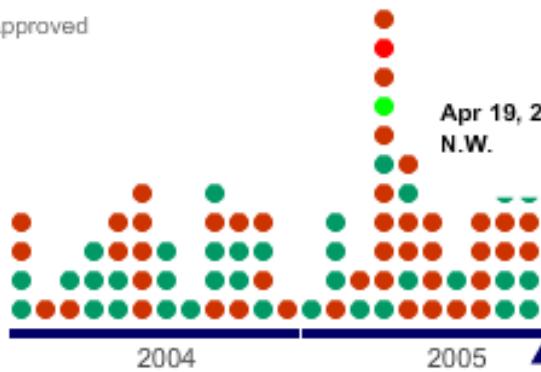
6/16/1966-5/11/2004 (age: 37)

HIV/AIDS: AIDS

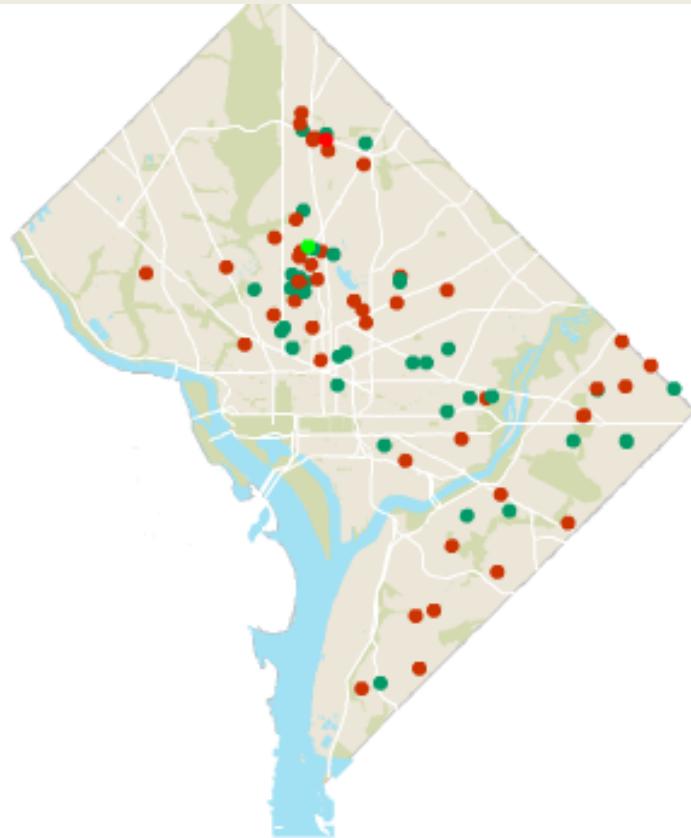
Lourdes Hospital, Padukah, KY

Estimated date: Apr 20, 2005
723 Longfellow Street, N.W.
Picasso Condominium
Complaints: 3 before / 2 after
Violations: 0 before / 0 after

Approved



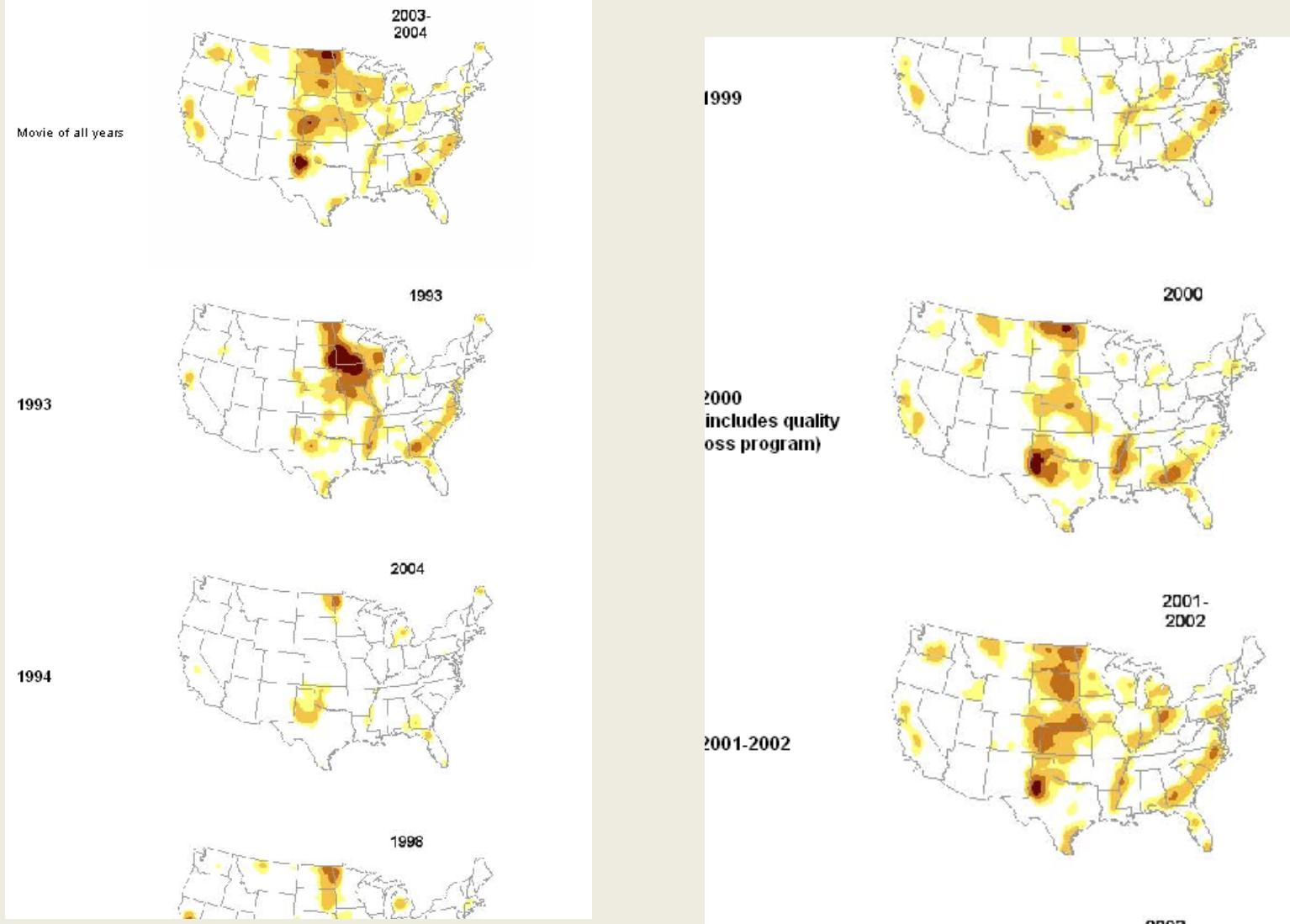
Rejected



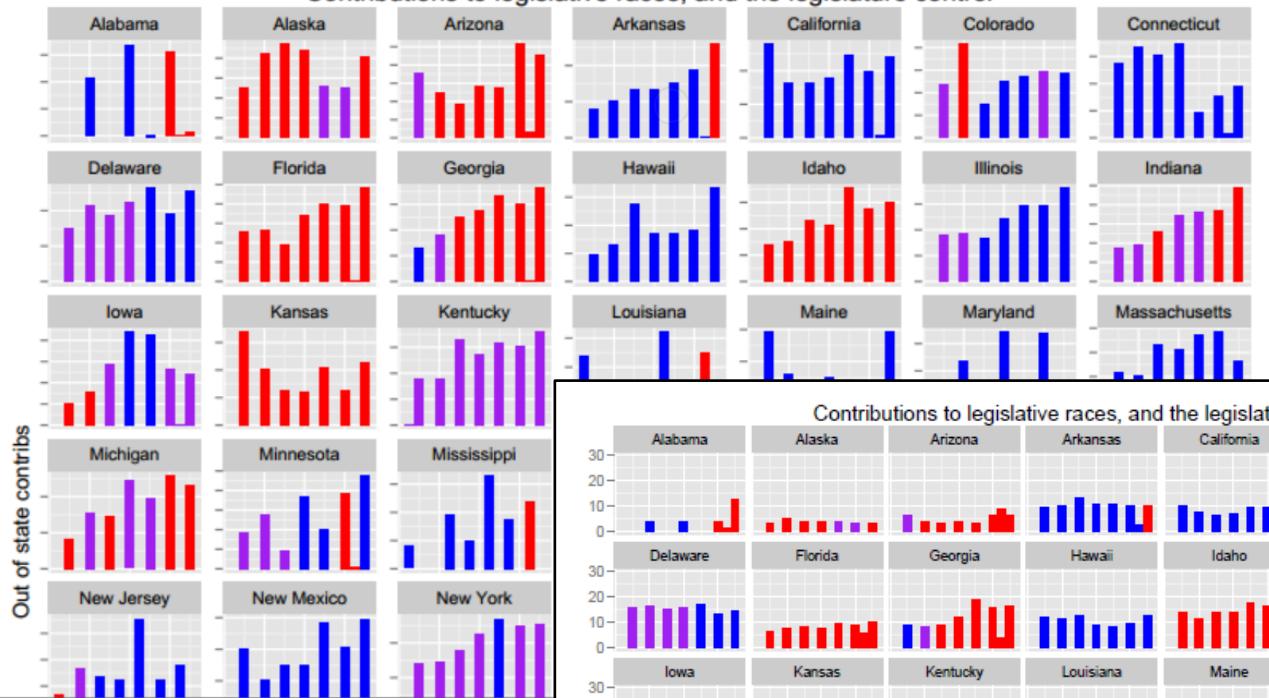
- No complaints (green circle)
- Complaints / violations (red circle)

* Jan 04 include s 3 exemptions approved in 2003

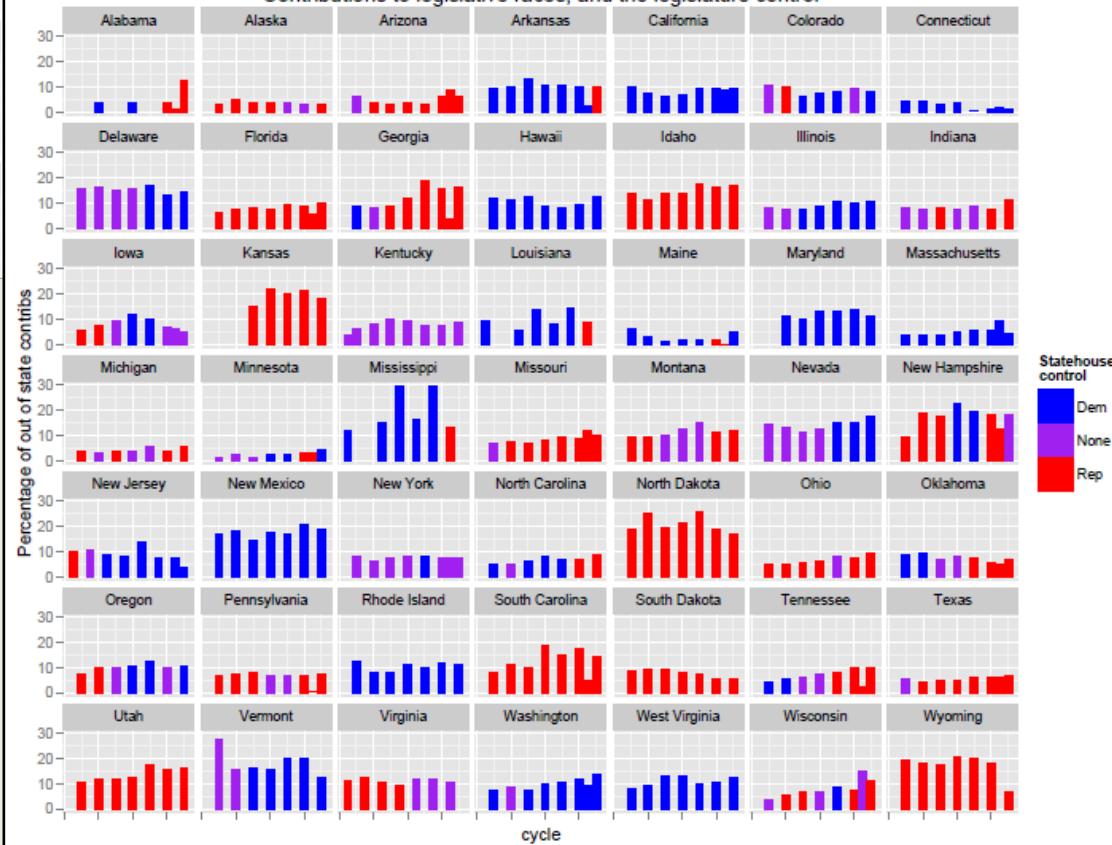
Major Crop Disaster Programs, 1993-2004



Contributions to legislative races, and the legislature control

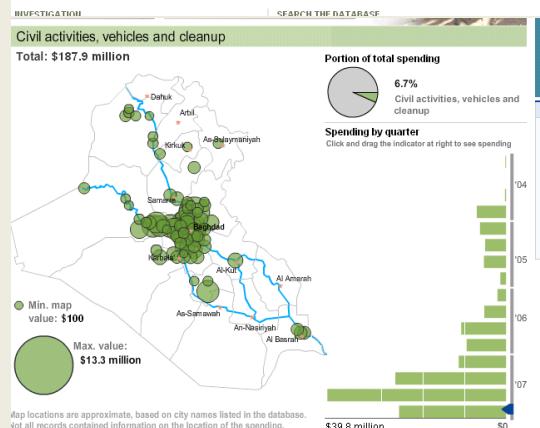
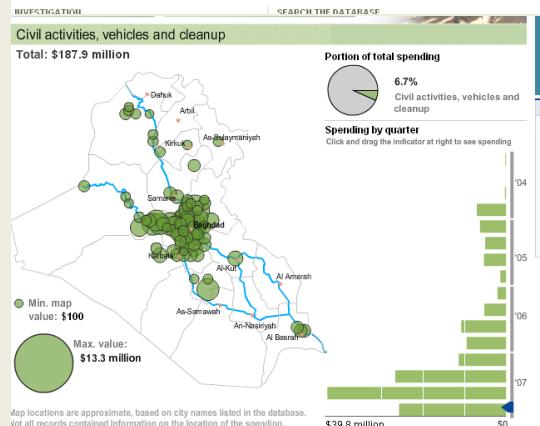
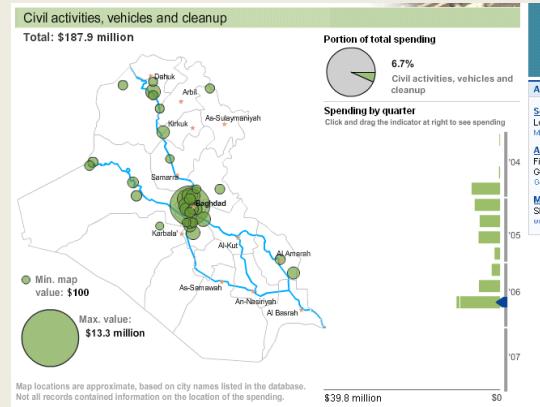
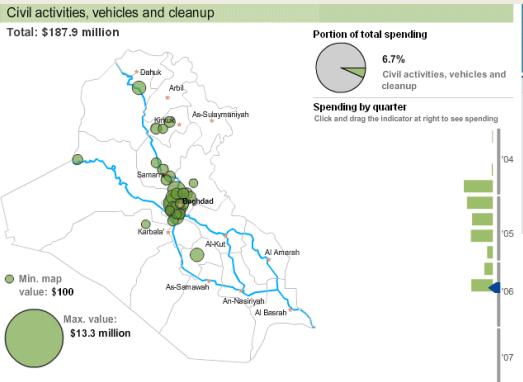


Contributions to legislative races, and the legislature control



Money as a Weapon

The U.S. has spent at least \$2.8 billion under the CERP Program in Iraq, which lets senior military officials select "relief and reconstruction" projects with minimal oversight. The money has been spread throughout Iraq, ranging from small payments for doors damaged in treatment plants. | [About the CERP Database](#)



HHS grants and loans

This will retrieve a series of graphs showing grants and loans obligated by the Department of Health and Human Services by 1/2 year intervals. The red dots are election years; the green ones are non-election years. Source: FAADS, through June 2006.

Hold the "Ctrl" key on your keyboard down to select more than one entry in the boxes.

Report by agency or program

Type of recipient:

- All recipients
- State government
- County government
- City or town
- Special district gov
- Independent school district
- State-controlled higher ed
- Indian tribe
- Other nonprofit
- Private higher ed
- Individual
- For-profit organization
- Small business
- All other

Type of assistance:

- All recipients
- Block grant
- Formula grant
- Project grant
- Cooperative agreement
- Direct payment (special use)
- Direct loan
- Guaranteed / insured loan
- Insurance
- Direct payment (unrestricted)
- Other

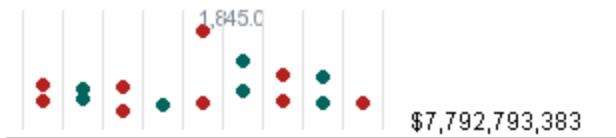
... Or choose some pre-made groups:

- Includes local government, non profits and businesses; excludes higher ed and state government. Excludes block and formula grants and insurance. Same as above, but adds back in higher ed.

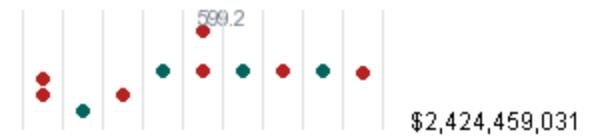
Number of graphs: 1495

HHS Grants by election year

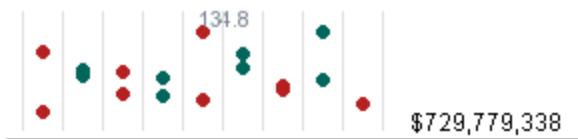
Head Start (93.600)



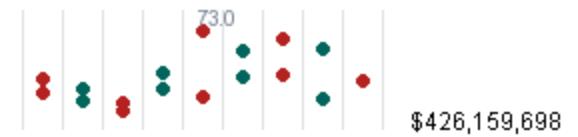
Hiv Emergency Relief Project Grants (93.914)



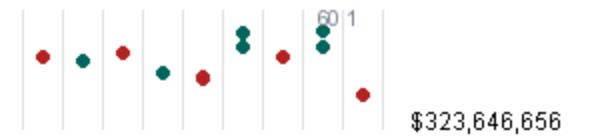
Indian Health Services-Health Management Development Program (93.228)



Community Health Centers (93.224)



Hiv Prevention Activities-- Health Department Based (93.940)



Childhood Immunization Grants (93.268)

Ignored Warnings

In about 240 cases since 1992, Superior Court judges have appointed attorneys to handle probate cases after they had sanctioned them or had been alerted by court officials that they had failed to perform their duties. Probate attorney Gloria Johnson was among those who received appointments after being removed from cases or the list of eligible attorneys.

Gloria Johnson

June 1994: Johnson was removed as conservator after a family complaint prompted a review.

Nov. 1998: Removed from list of eligible attorneys when she failed to appear in court after being appointed to a new case. Reinstated to the list a month later and appointed to several new cases.

- Appointment/Reinstatement
- Removals

Jan. 2003: After being taken off two cases in 2002, she was removed from the list of eligible attorneys by Judge Jose Lopez. The next month, he approved her appointment to two new cases.

Guardianship Petition Filed By Gloria Johnson on Behalf of a Nursing Home

SOURCE: D.C. Superior Court

THE WASHINGTON POST

Search for particular language in recommendations and documents, or search children

Search

Reset form

Enter the free-text search here (the condition in text fields) :

Year Between and

Themes

At-risk infants
Insufficient investigations
Closing cases
Severely disabled

Each bar represents one recommendation on the topic.

For documents

Key: agencies aren't doing their jobs
 is a recommended change in policy
 is a recommended new program

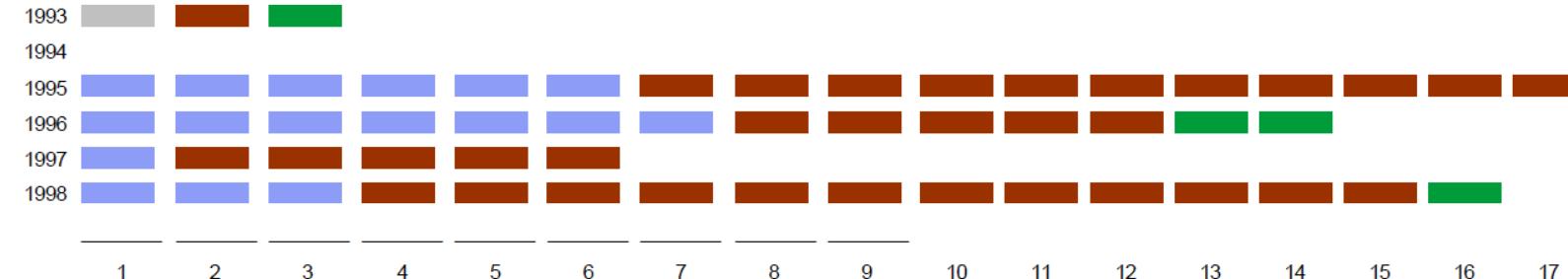
Search for pro

CFRC

Limit to: Recom

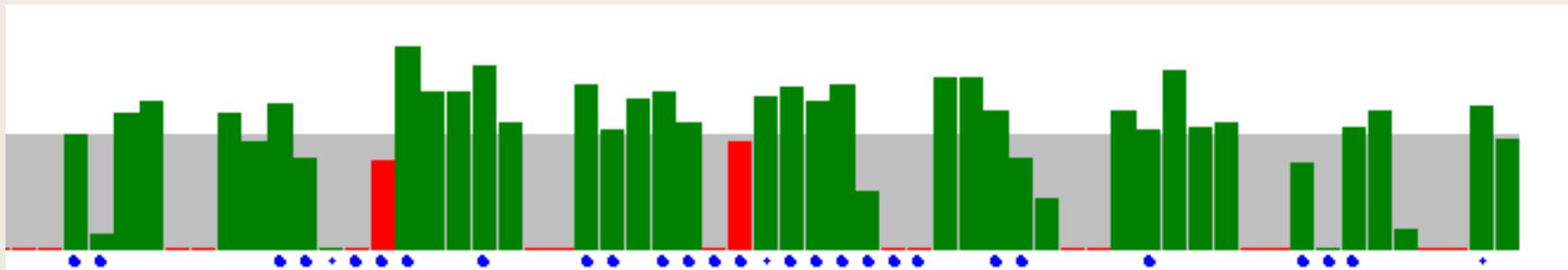
For s

Chart 3: Urging cooperation and coordination across institutions

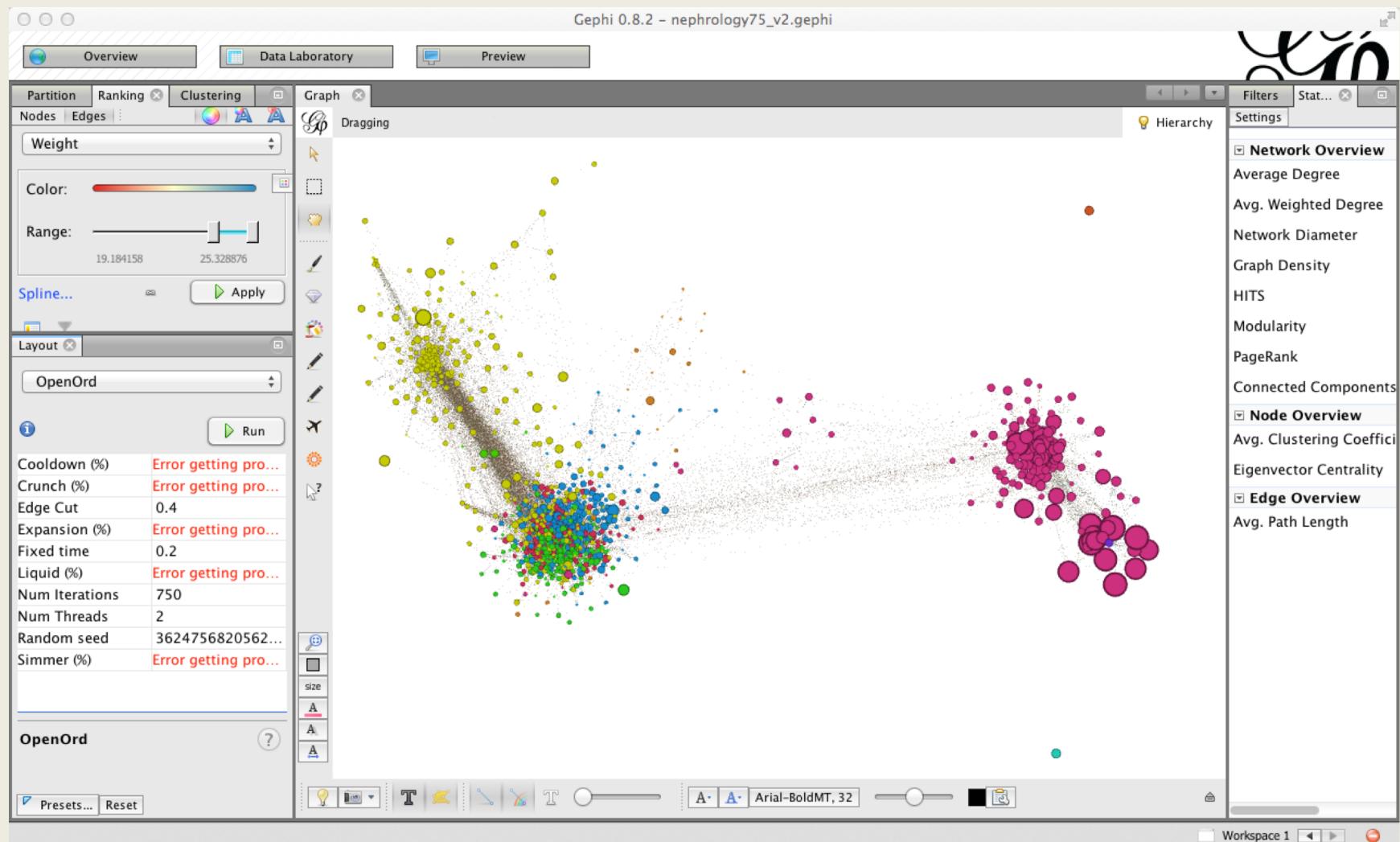


Each bar represents one recommendation on the topic.

Key: agencies aren't doing their jobs
 is a recommended change in policy



	B	D	E	F	G	H	I	J
1	Date	Time	Label	Description	Type	City	Duration	L
45	7/12/04	11:00 AM	Office time		Unschedul	DC	1:00	1
46	7/12/04	5:00 PM	Leave work		End	DC	6:00	1
47	7/13/04	7:25 AM	White House		White Hou	DC		1
48	7/13/04	9:15 AM	Sen. Bond		Congress	DC	1:50	1
49	7/13/04	9:30 AM	CIA briefing		Intel	DC	0:15	1
50	7/13/04	10:30 AM	Visa policy briefing		Staff	DC	1:00	1
51	7/13/04	11:30 AM	General counsel meeting		Staff	DC	1:00	1
52	7/13/04	12:00 PM	Joe Whitley		Staff	DC	0:30	1
53	7/13/04	12:30 PM	Alexander Haig phone call		Contact	DC	0:30	1
54	7/13/04	1:00 PM	Personal time		Personal	DC	0:30	1
55	7/13/04	2:00 PM	White House		White Hou	DC	1:00	1
56	7/13/04	4:00 PM	End day		End	DC	2:00	1
57	7/14/04	7:45 AM	Trip to Boston		Travel	DC		1
58	7/14/04	9:05 AM	Staff in Boston		Staff	Boston	1:20	1
59	7/14/04	9:15 AM	Fleet Center tour (DN Convention site)		Local offici	Boston	0:10	1
60	7/14/04	12:00 PM	Charlestown Navy Yard		Media	Boston	2:45	1
61	7/14/04	2:30 PM	Leave to go home		Travel	Boston	2:30	1
62	7/14/04	5:30 PM	CNN Interview		Media	DC	3:00	1
63	7/14/04	6:00 PM	End day	Guess basd on how long they usua	End	DC	0:30	1
64	7/15/04	7:25 AM	White House		White Hou	DC		1
65	7/15/04	11:00 AM	Pittsburgh trip		Travel	DC	3:35	1
66	7/15/04	12:35 PM	Allegheny County Emergency Op. Center		Event	Pittsburgh	1:35	1

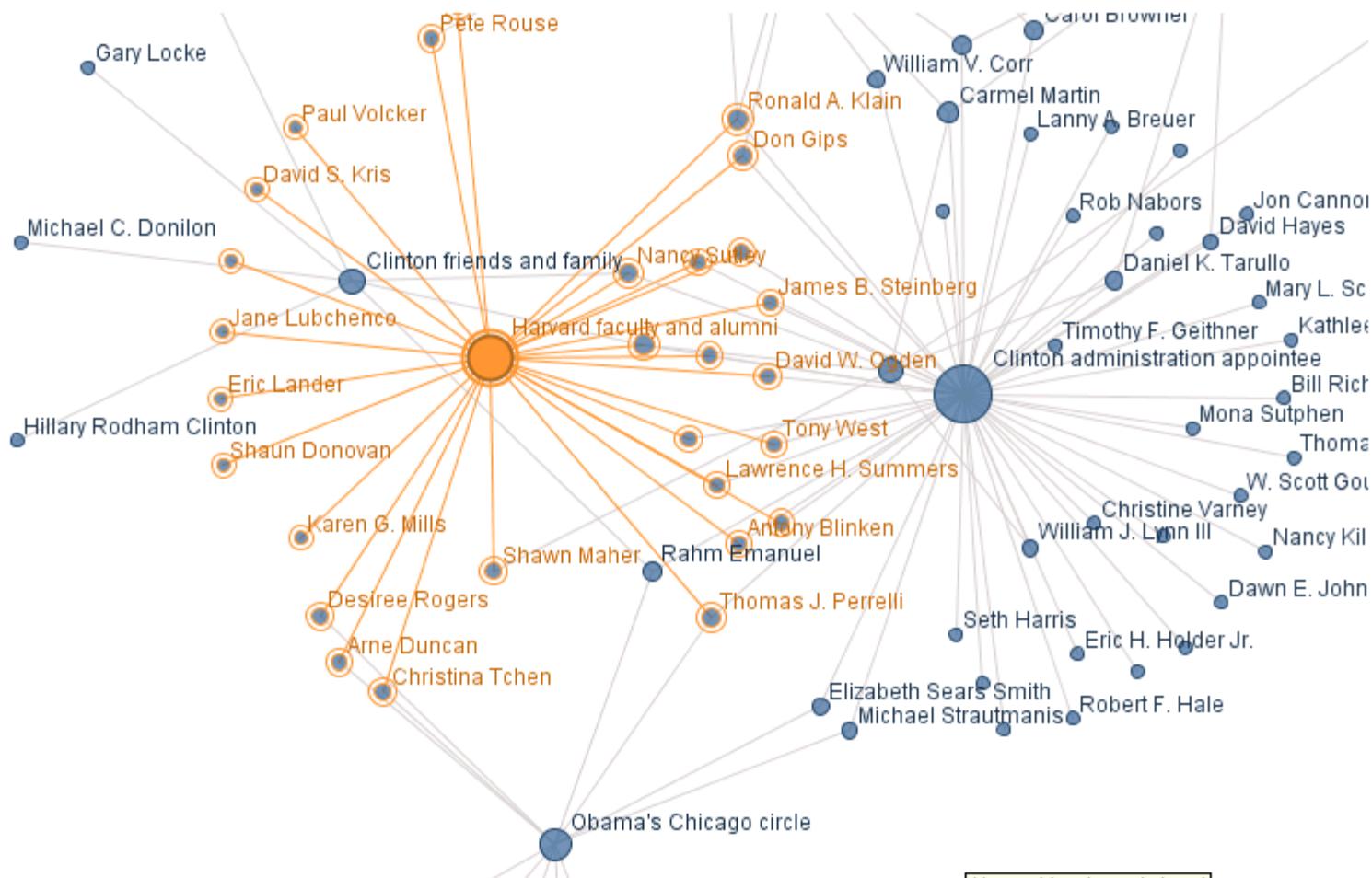


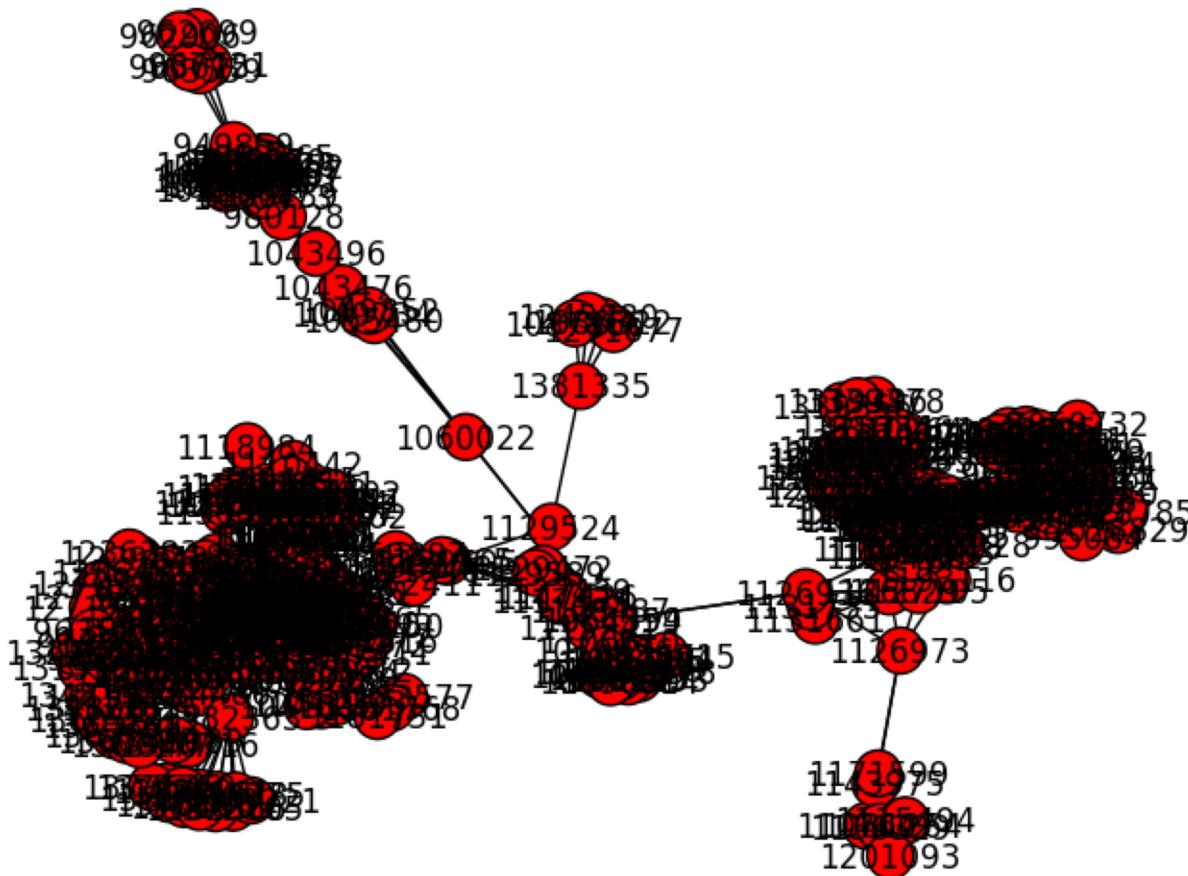
Visualizations : groups

[Edit | Delete]

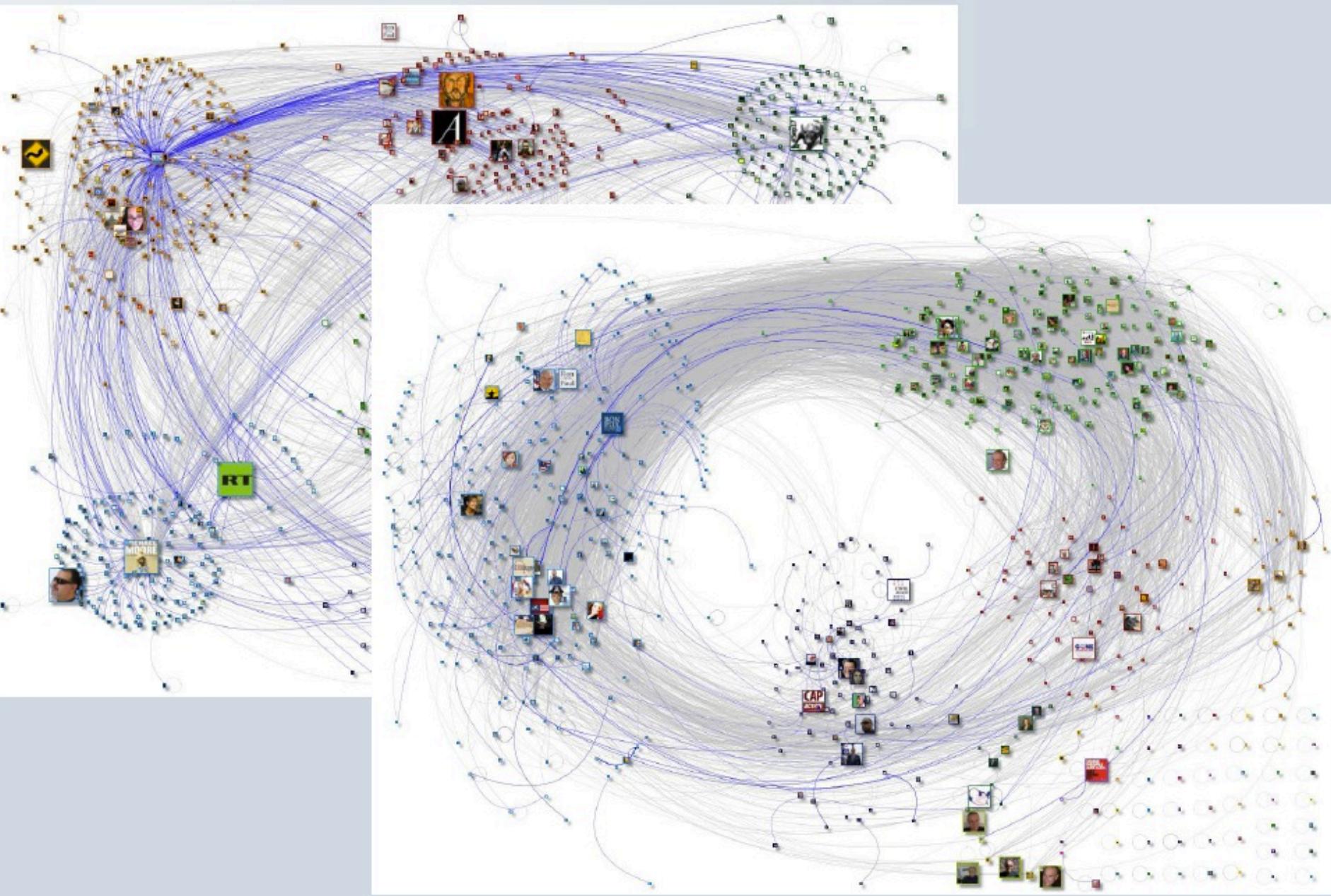
Creator: Sarah

Tags:





Example: Occupy vs Tea Party on Twitter





Timeline: How One Blast Affected Five Soldiers

by *T. Christian Miller, Jeff Larson, Al Shaw, and Krista Kjellman Schmidt, ProPublica*, March 22, 1:03 p.m.

[Tweet](#)

25

[Like](#)

[E-mail](#)

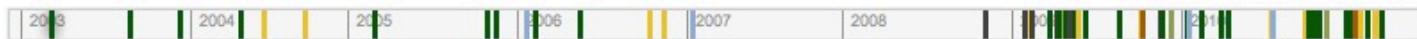
[Print](#)

Explore the events leading up to and following a Jan. 16, 2009, rocket attack at Camp Liberty, in Baghdad, Iraq, that left five soldiers of Psycho Platoon with mild traumatic brain injuries. Some dates are based on individual sources' memories and may be approximate. [Related article: Aftershock: The Blast That Shook Psycho Platoon »](#)

Brock Savelkoul Derrick Junge Jared Hollingshead James Hopkins Shane Fuller



[« PREVIOUS](#) [NEXT »](#)



Savelkoul Joins the Army



Brock Savelkoul joins the Army and is stationed at Fort Riley, Kan., in the artillery division. His assigned position is artillery survey, meaning he prepares terrain for mounting artillery canon.

Feb. 18, 2003

1. Obama - First 100 Days start

Display | Filter | Timeline | Calendar | List | Table | Bar Graph | Summary | Notes | About

Timeline Controls

Zoom: zoom out zx, zoom out 100%

Layout: loose, diagonal, graph

Global Controls

Showing All 392 Events

Not Filtering (clear all)

Label: Short description

Groups: None

Color: tags

Dot Size: None

Color Legend: tags

- diplomacy - 69
- stimulus - 57
- energy - 28
- environment - 22
- reversal - 22
- health care - 13
- foreign - 13
- ent - 13

Y-axis: 18, 19, 20, 21, 22

18 19 20 21 22 Jan 2009

National Day of Renewal, Inauguration, Inaugural balls, FOIA reversal, Ethics order, Open Government Directive, Pay freeze, Presidential records, Better Act, National Prayer Breakfast, Promoting infrastructure, Changing establishment of, Visit to Energy Department, House Democratic Issues, Contracting rules, Reversing policy, Contractors to, Reversed regulatory, Hosted 180 guests, Major enlisted officer, Super (Canada), bin, Missouri state of emergency, Iraqi provincial, Stimulus plan, Matt Lauer, Tom Alfalfa Club dinner, Obama's speech, Biden's speech, Nuri, Gov., Educ., Con...

Capital City Public Charter, Expanding eligibility for, State Children's Health, Restrictions on executive, Private Democratic retreat, Mayor, Housing and Urban, House Democratic Caucus, Route 34 bridge in Carlisle, visit to Harrisburg, Howard University panel discussion on Black, Celebration of progress, visiting House member, Called several foreign leaders, Visit to Springfield, Vis construction site, Praised the passage of the stimulus bill, Ford's Theater Lincoln Bicentennial.

Established the, National Prayer Breakfast, Promoting infrastructure, Changing establishment of, Visit to Energy Department, House Democratic Issues, Contracting rules, Reversing policy, Contractors to, Reversed regulatory, Hosted 180 guests, Major enlisted officer, Super (Canada), bin, Missouri state of emergency, Iraqi provincial, Stimulus plan, Matt Lauer, Tom Alfalfa Club dinner, Obama's speech, Biden's speech, Nuri, Gov., Educ., Con...

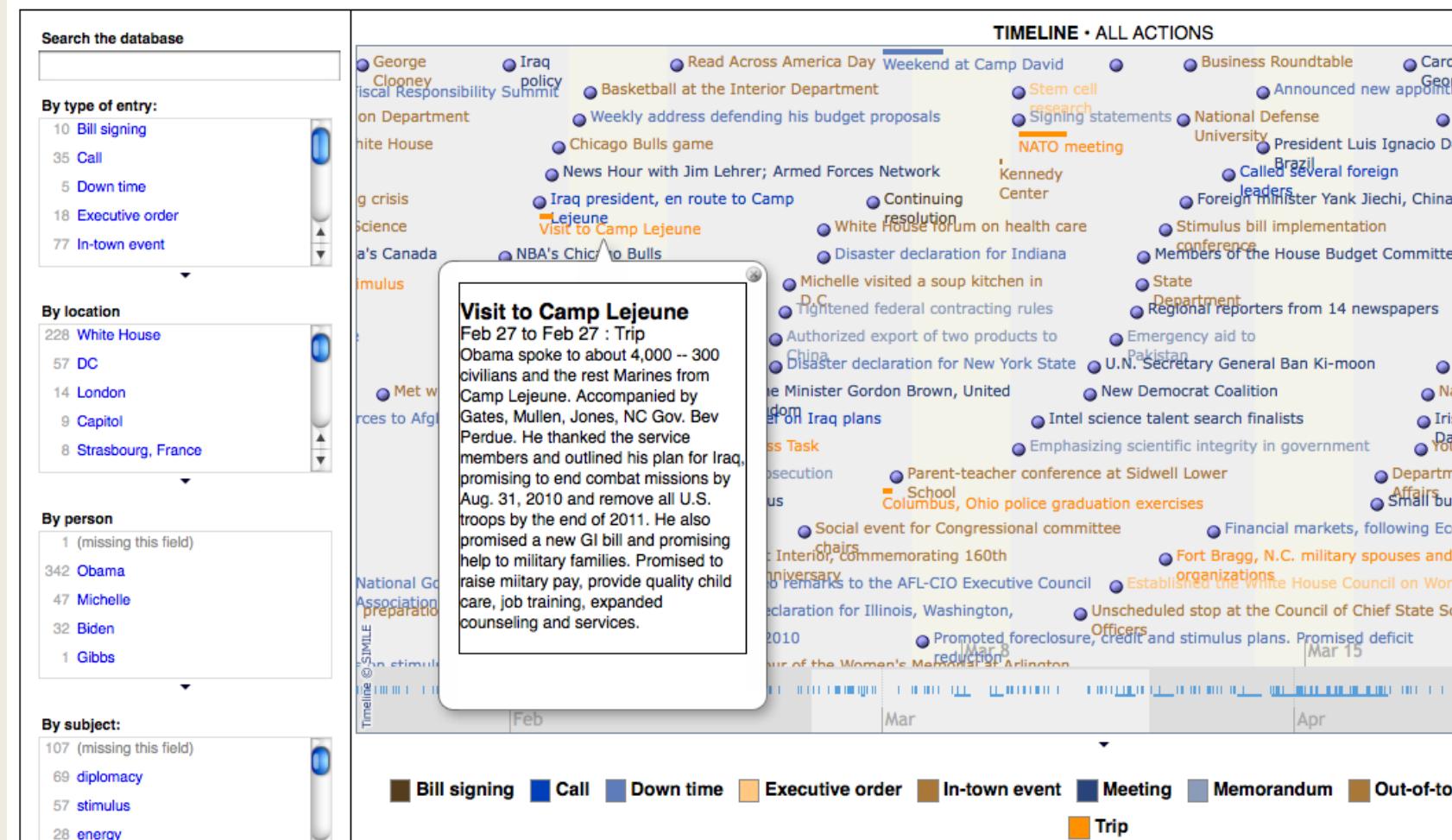
Illinois stops on the stimulus, Caterpillar plant in East Peoria, Lincoln Bicentennial, Buffalo plane crash, Business Council, King Juan Carlos I, Spain, Traveled home to Chicago, Weekly address.

Edit 'New contracting rules'...
Delete 'New contracting rules'
Add Event At Feb 1 2009

SUN MON TUES WED THURS FRI

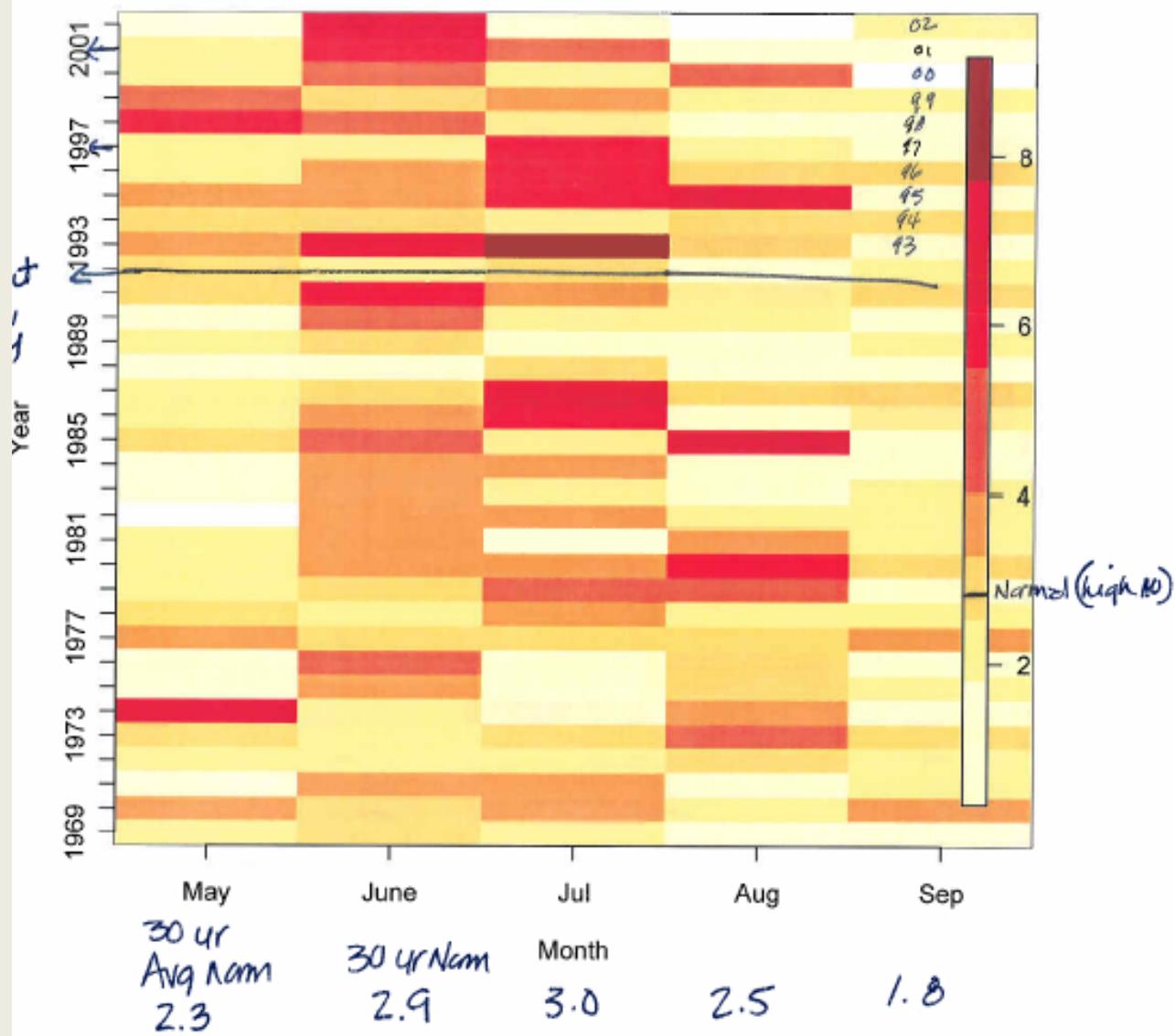
SUN	MON	TUES	WED	THURS	FRI
18 2009			20	21	
Jan 25	25	26	27	28	29
Feb 1	1	2	3	4	5
Feb 8	8	9	10	11	12
Feb 15	15	16	17	18	19
Feb 22	22	23	24	25	26
Mar 1		2	3	4	5
Mar 8	8	9	10	11	12
Mar 15		16	17	18	19
Mar 22		23	24	25	26
Mar 29		30	31	1	2
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Apr 19	19	20	21	22	23
Apr 26				29	

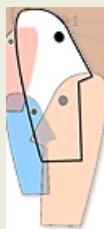
ID 329
Short description Turkish Grand National Assembly
tags diplomacy
Start Apr 6 2009
End [none]
Entry type Remarks
Detailed entry type Speech
Location Ankara, Turkey
who Obama
description Obama reiterated U.S. support of Turkey joining EU, mentioned human rights progress in Turkey, Middle East. He said that he would not let the U.S. relationship with the Islamic world be defined by al Qaeda.



Resulting graphics at: <http://www.washingtonpost.com/wp-srv/politics/obama/100days/>

Cavalier Co rainfall





Visualizations : Blagojevich complaint [Edit | Delete]

Creator: Sarah

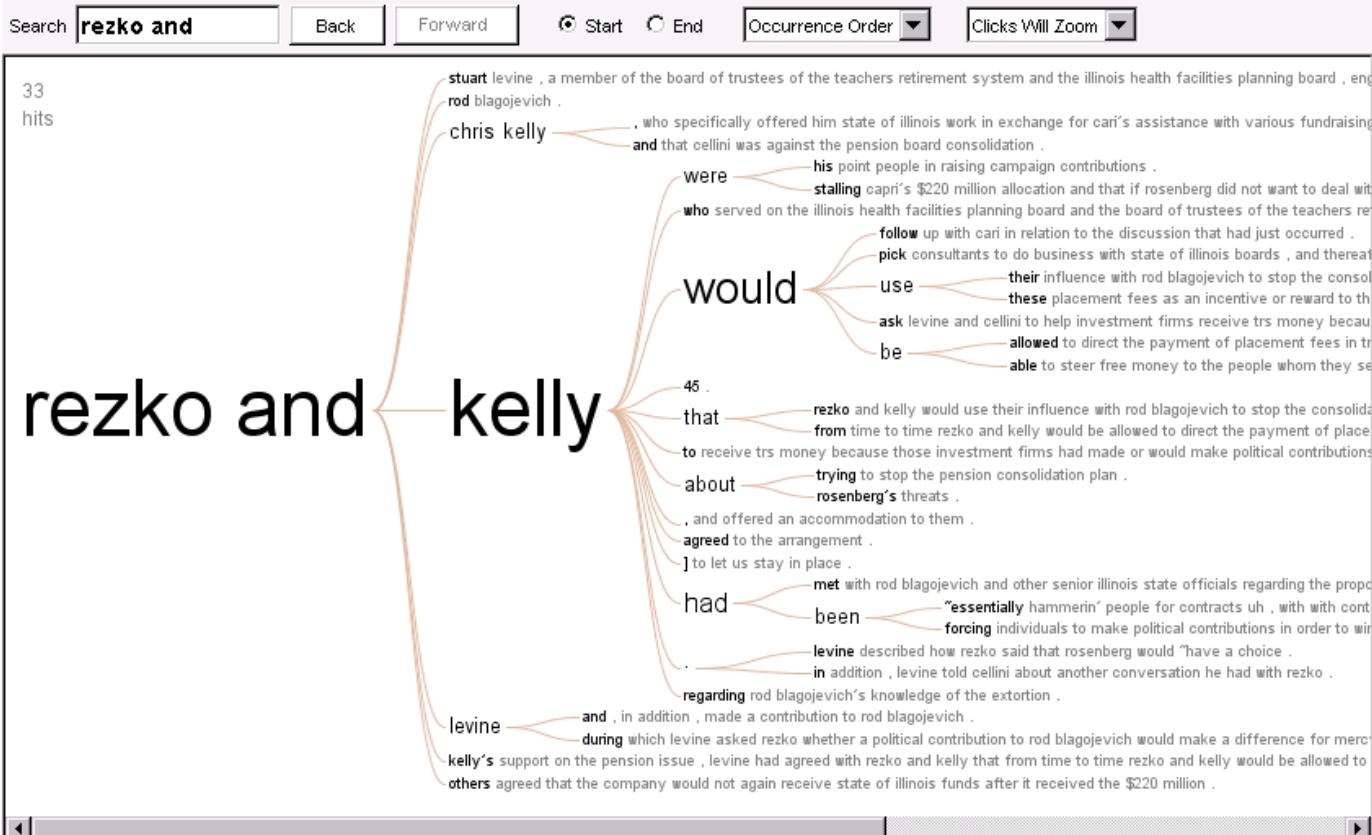
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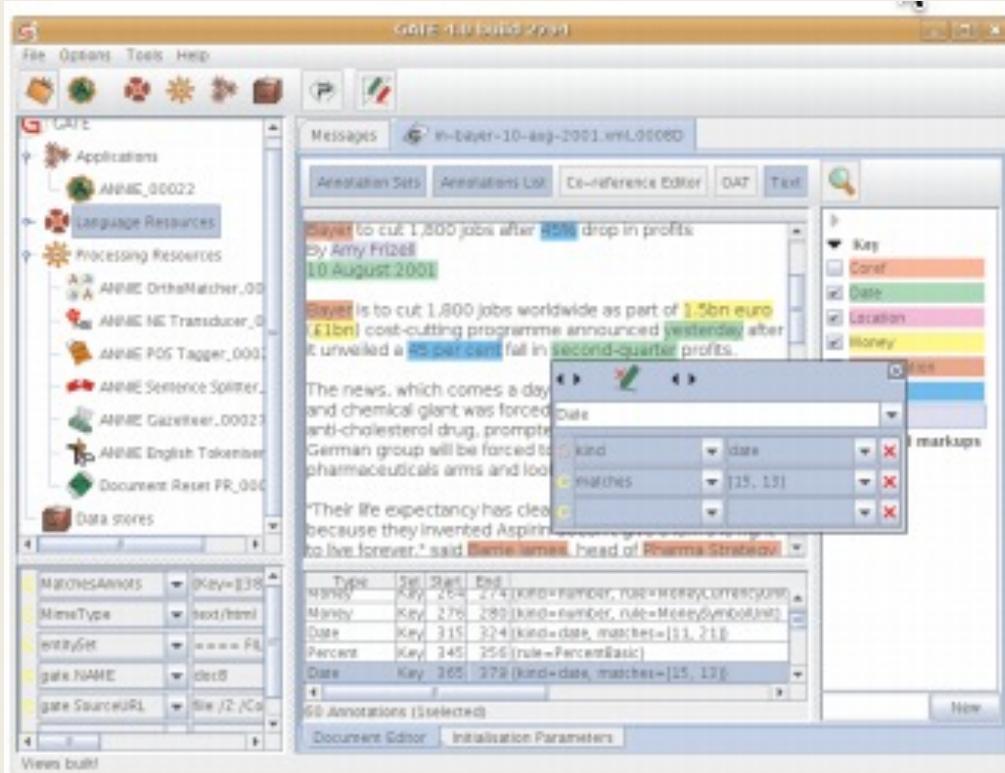
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Data file: Blagojevich complaint

Data source:

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"I have a dream" speech in Voyant Tools

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Voyant Tools

Terms: Terms Links

Reader TermsBerry

I am happy to join with you today in what will go down in history as the greatest demonstration for freedom in the history of our nation. Five score years ago, a great American, in whose symbolic shadow we stand today, signed the Emancipation Proclamation. This momentous decree came as a great beacon light of hope to millions of Negro slaves who had been living in the gloom of惨淡的境况. It came as a joyous daybreak to end the long night of their captivity. But one hundred years later, the Negro still is not free. One hundred years later, the life of the Negro is still sadly crippled by the manacles of segregation and the chains of discrimination. One hundred years later, the Negro lives on a lonely island of poverty in the midst of a vast ocean of material prosperity. One hundred years later, the Negro is still languishing in the corners of American society and finds himself an exile in his own land. So we have come here today to dramatize a shameful condition.

In a sense we have come to our nation's capital to cash a check. When the architects of our republic wrote the magnificent words of the Constitution and the Declaration of Independence, they were signing a promissory note to which all men were to fall heir. This note was a promise that all men, yes, black men as well as white men, would be guaranteed the unalienable rights of life, liberty, and the pursuit of happiness. It is obvious today that America has defaulted on this promissory note insofar as her citizens of color are concerned. Instead of honoring this sacred obligation, America has given the Negro people a bad check, a check which has come back marked "insufficient funds." But we refuse to believe that the bank of justice is bankrupt. We refuse to believe that there are insufficient funds in the great vault of opportunity of this nation. So we have come to cash this check — a check that will give us upon demand the riches of freedom and the security of justice. We have also come to this hallowed spot to remind America of the fierce urgency of now. This is no time to engage in the luxury of cooling off or the tranquilizing drug of complacency. Now is the time to make real the promises of democracy. Now is the time to rise from the dark and desolate valley of segregation to the sunlit path of racial justice. Now is the time to lift our nation from the quick sands of racial injustice to the solid rock of brotherhood. Now is the time to make justice a reality for all of God's children. It would be fatal for the nation to overlook the urgency of the moment. This sweltering summer of the Negro's legitimate discontent will not pass until there is an invigorating

Relative Frequencies

Document Segments (I am happy to join with...)

Terms: freedom x negro x dream x

Contexts Bubblelines Correlations

Document

Left Term Right

1) I am ...	is inextricably bound to our fre...	We cannot walk alone. As
1) I am ...	areas where your quest for fre...	left you battered by the
1) I am ...	transformed into an oasis of fre...	and justice. I have a
1) I am ...	together, to stand up for fre...	together, knowing that we will
1) I am ...	pride, from every mountainside, fre...	ring." And if America is
1) I am ...	must become true. So let fre...	ring from the prodigious hilltops
1) I am ...	hilltops of New Hampshire. Let fre...	ring from the mighty mountains
1) I am ...	mountains of New York. Let fre...	ring from the heighthing Alleghenies
1) I am ...	heightening Alleghenies of Pennsylvania! Let fre...	ring from the snowcapped Rockies
1) I am ...	snowcapped Rockies of Colorado! Let fre...	ring from the curvaceous slopes
1) I am ...	But not only that; let fre...	ring from Stone Mountain of
1) I am ...	Stone Mountain of Georgia! Let fre...	ring from Lookout Mountain of
1) I am ...	Lookout Mountain of Tennessee! Let fre...	ring from every hill and

This corpus has 1 document with 1,653 total words and 537 unique word forms. Created about a day ago.

Vocabulary Density: 0.325

Average Words Per Sentence: 19.7

Most frequent words in the corpus: freedom (20); let (13); negro (13); ring (12); day (11)

Tools

Structured data graphics

- R graphics / Shiny
- Flourish
- Tableau and Tableau Public
- D3 (javascript)
- Excel sparklines

Maps and geographic data

- Google Fusion Tables, charts & maps
- GIS systems (ESRI Arcmap, QGIS, db extensions, Leaflet)

Networks

- Gephi project for networks
- Python and other programming languages

Text

- Voyant
- DocumentCloud
- Overviewdocs.com