



MIGRATORY WORDS

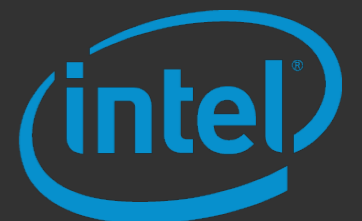
Computational Tools for Investigative Political Research

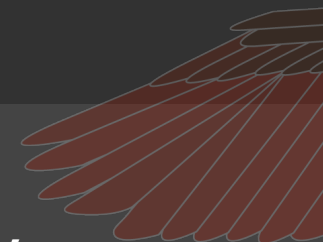
Can computational systems help investigative journalists to identify patterns of intellectual influence that shape the creation of public policy?

Hyunwoo Park
Gopal Vaswani
Jeremy Whitaker
Michael Manoochehri

Advisor: Eric Kansa

Partners: Rob Ennals, Intel Research
Laurent El Ghaoui, EECS
Saheli Datta





MIGRATORY WORDS

Computational Tools for Investigative Political Research

THE IMPORTANCE OF JOURNALISM





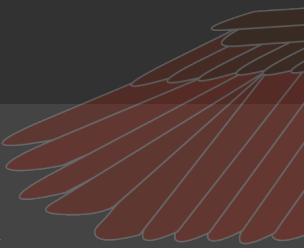
MIGRATORY WORDS

Computational Tools for Investigative Political Research

"Statements by more than a dozen lawmakers were ghostwritten, in whole or in part, by Washington lobbyists...The lobbyists, employed by Genentech and by two Washington law firms, were remarkably successful in getting the statements printed in the Congressional Record under the names of different members of Congress. Genentech, a subsidiary of the Swiss drug giant Roche, estimates that **42 House members picked up some of its talking points** — 22 Republicans and 20 Democrats, an unusual bipartisan coup for lobbyists."

Robert Pear
N.Y.T, Nov. 14th, 2009



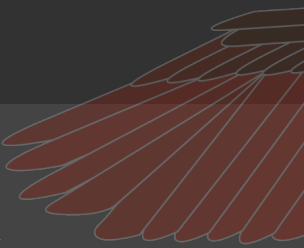


MIGRATORY WORDS

Computational Tools for Investigative Political Research

THIS IS A COMPLEX INTERSECTION WHERE
PRIVATE INTERESTS CLASH OVER IDEAS AND
SEEK INFLUENCE PUBLIC POLICY.





MIGRATORY WORDS

Computational Tools for Investigative Political Research

Corporate Speech

PR Documents

Lobbyists

Expert Knowledge

Think Tanks

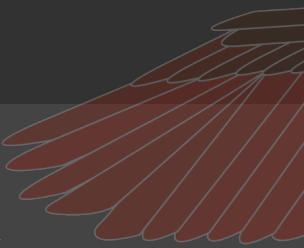
Academia

Government Records

Congressional

Presidential

Hearings



MIGRATORY WORDS

Computational Tools for Investigative Political Research

Corporate Speech

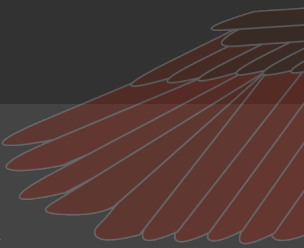
Constructed speech designed to influence

Expert Knowledge

A bridge between academia and policy

**Government
Records**

Policy and the opinion of policy makers



MIGRATORY WORDS

Computational Tools for Investigative Political Research

Corporate Speech

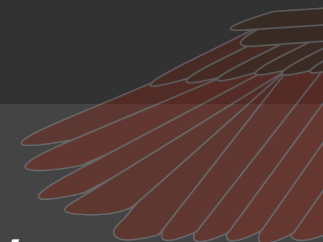
Campaign Finance Law, penalties

Expert Knowledge

Should behave like a 501c3

**Government
Records**

Accountable to “informed
constituency”



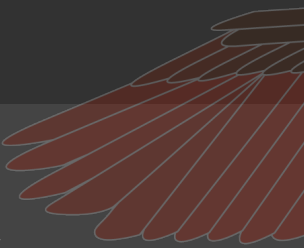
MIGRATORY WORDS

Computational Tools for Investigative Political Research



\neq





MIGRATORY WORDS

Computational Tools for Investigative Political Research

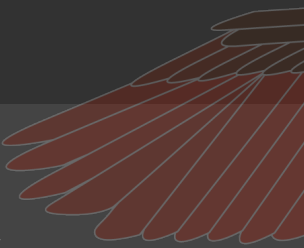
IDENTITY SIGNALS

Health Care Takeover

Corporate Welfare

Military Industrial Complex

Death Tax

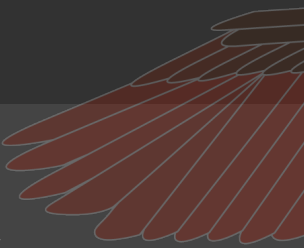


We are, as language animals, to a substantial degree simply

permuters of substrings

already well established within the history of the whole language

(Wilks, n.d.).



MIGRATORY WORDS

Computational Tools for Investigative Political Research

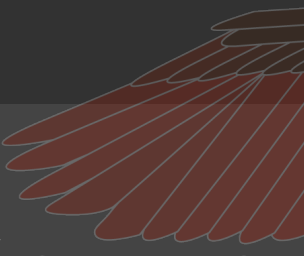
“INTERESTINGNESS”

memorable

sticky

emotional

Drill Baby, Drill

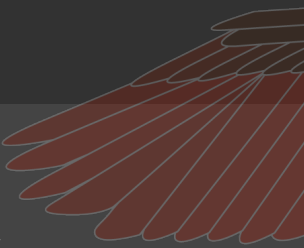


Take for example:

“One of the reasons I have long supported the U.S. biotechnology industry is that it is a homegrown success story that has been an engine of job creation in this country.

Unfortunately, many of the largest companies that would seek to enter the biosimilar market have made their money by outsourcing their research to foreign countries like India.”

Robert Pear, 2009



MIGRATORY WORDS

Computational Tools for Investigative Political Research

HOW DID ROBERT PEAR AND THE NYT MAKE THE LINK?



GIVEN INSIDER
TEXT



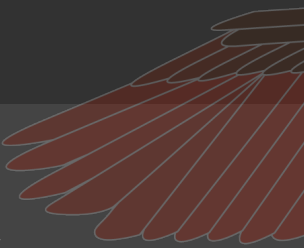
INTUITION-BASED
IDENTIFICATION

Search Bill Summary & Status

☒ Word/Phrase ☐ [Bill Number](#)

SEARCH

LINE BY LINE SEARCH



Journalism's Current Methods

using networks of people

playing details against each other

identifying difficult patterns

aggregating different sources

generating trust with sources

applying human intuition as the investigator

understanding what is interesting to readers

leading the reader through a compelling story-line

(lots of tacit knowledge)



MIGRATORY WORDS

Computational Tools for Investigative Political Research

AUGMENTATION

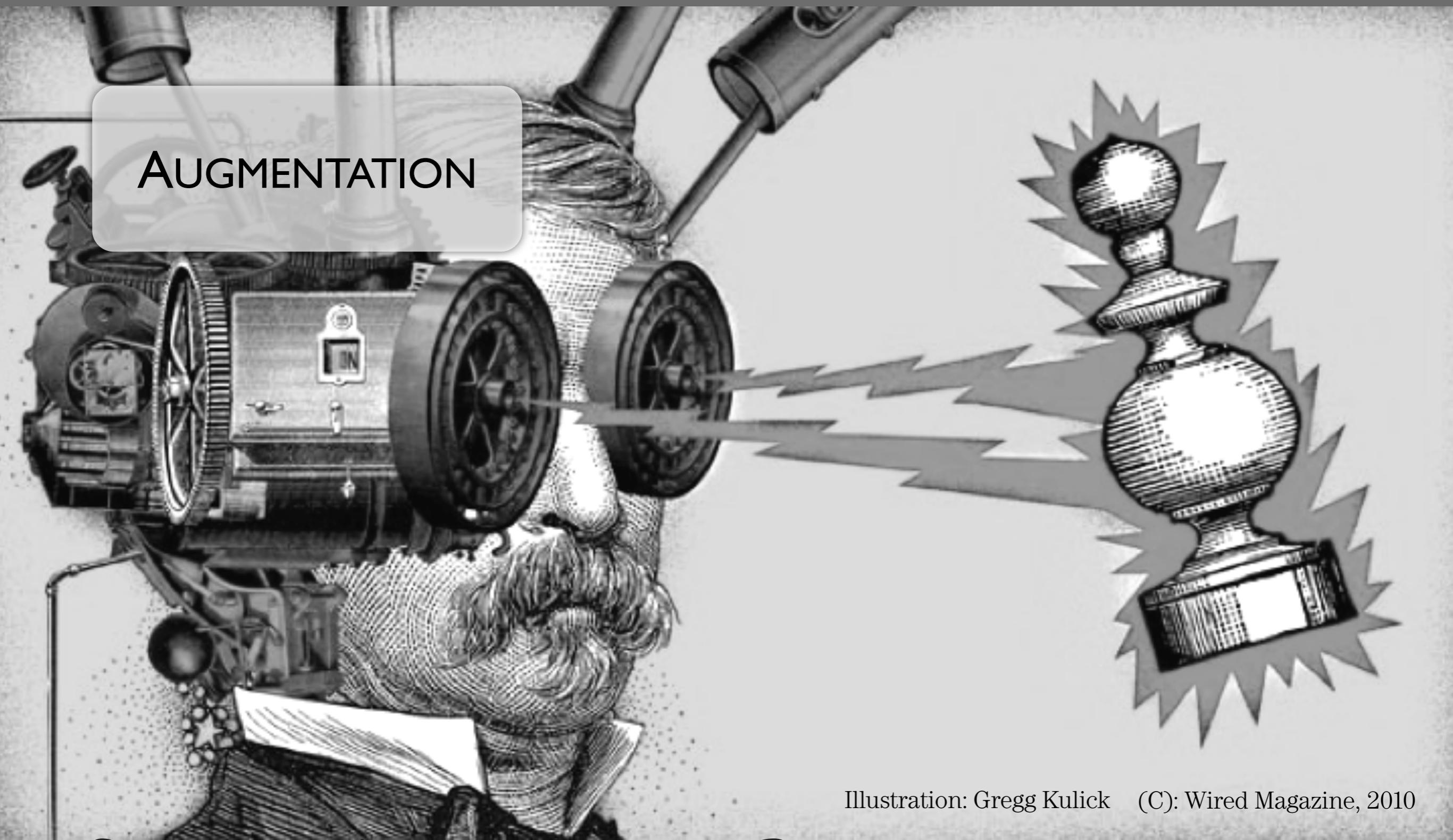
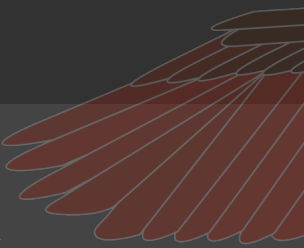
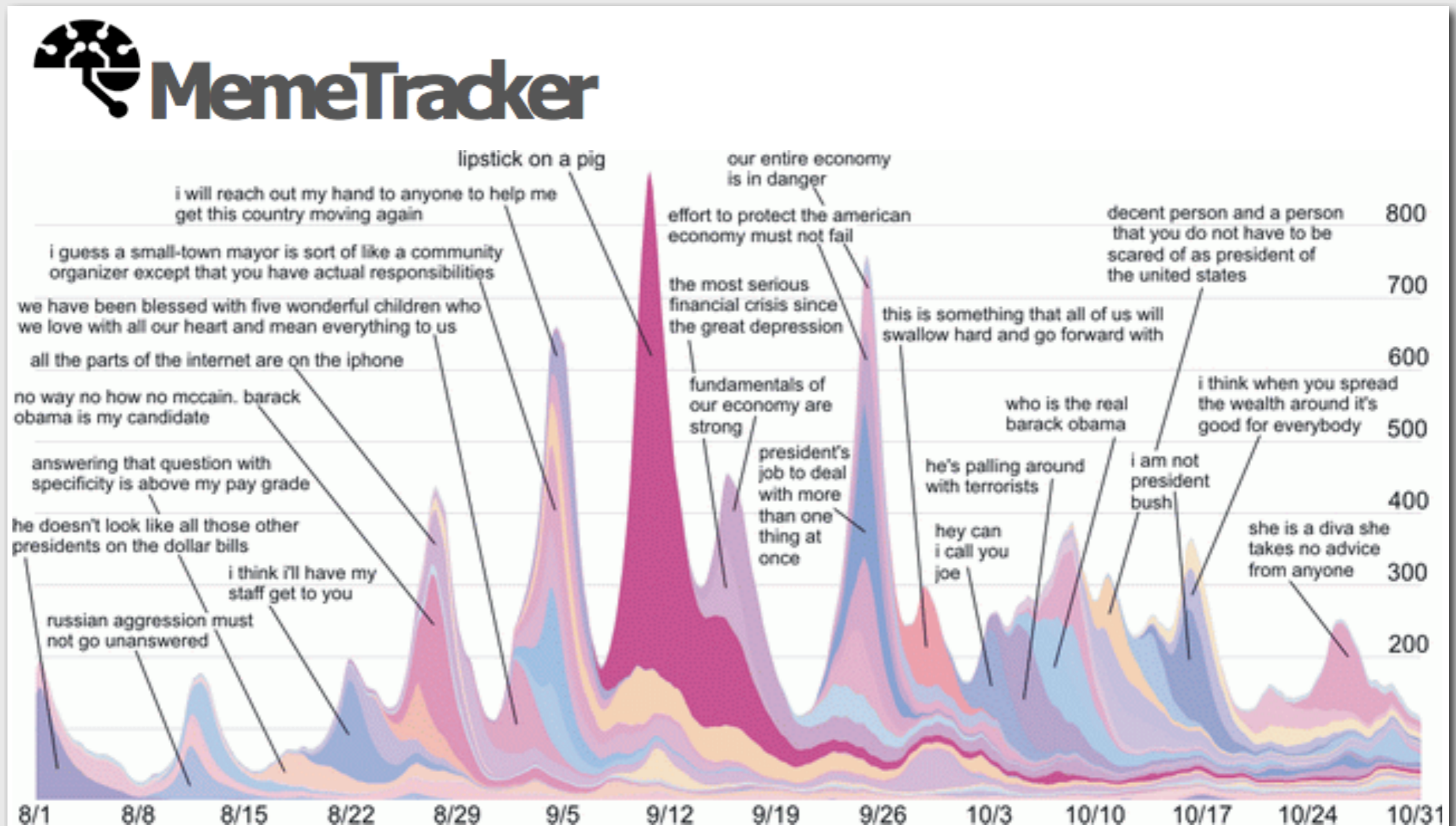


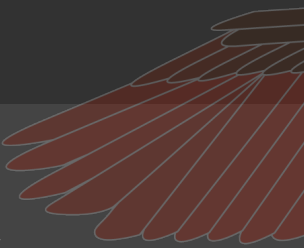
Illustration: Gregg Kulick (C): Wired Magazine, 2010



MIGRATORY WORDS

Computational Tools for Investigative Political Research





MIGRATORY WORDS

Computational Tools for Investigative Political Research

Google trends

iceland volcano, oil spill

Search Trends

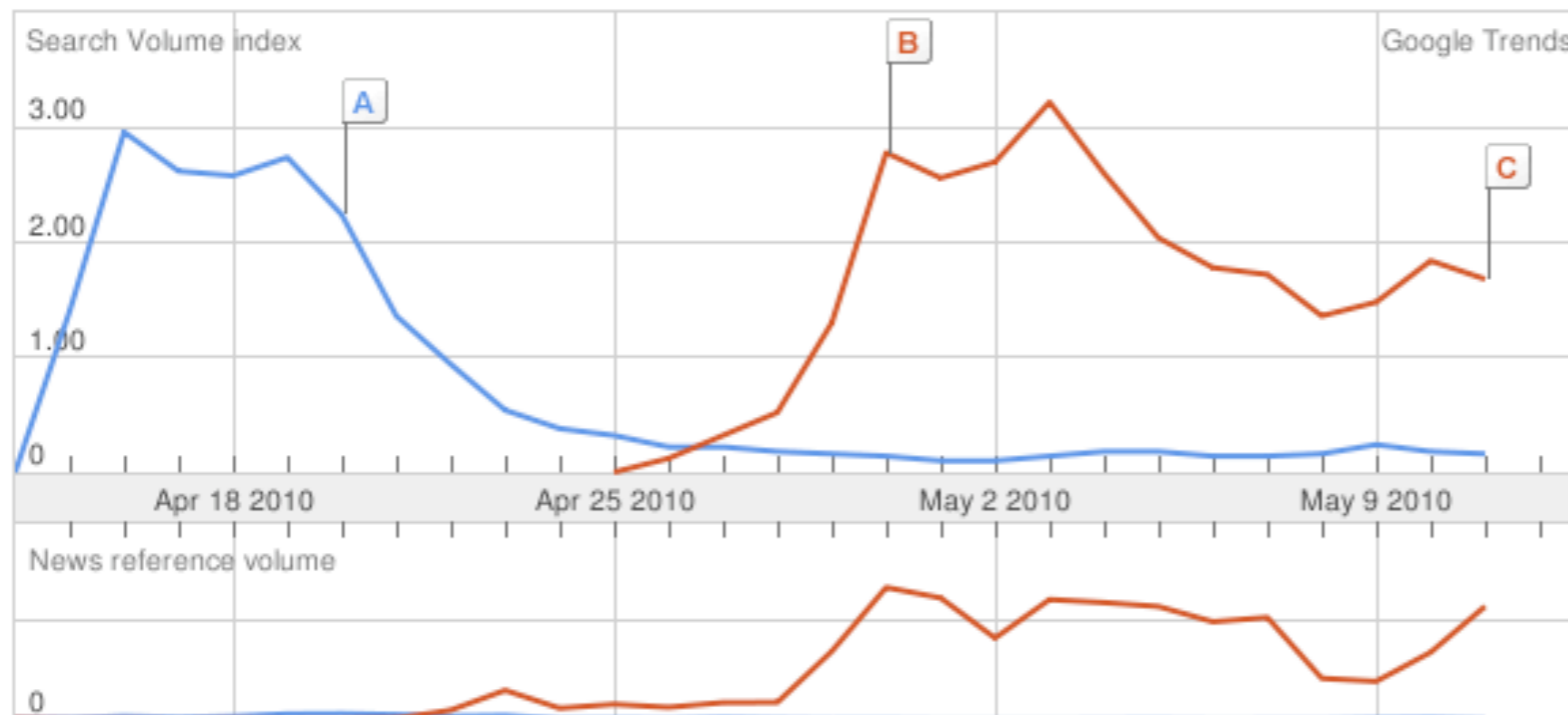
Tip: Use commas to compare multiple search terms.

Searches [Websites](#)

United States

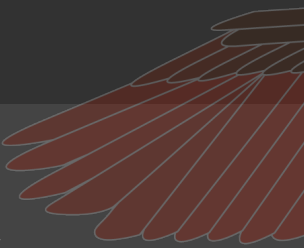
Scale is based on the average traffic of **oil spill** from United States in the last 30 days. [Learn more](#)

iceland volcano 0.74 oil spill 1.00



- [A](#) [Iceland volcano](#)
Daily Mail - Apr 20 2010
 - [B](#) [Gulf Coast oil spill comes ashore](#)
Newsday (subscription) - Apr 30 2010
 - [C](#) [Gulf oil spill swells to 4m gallons](#)
Stuff.co.nz - May 11 2010
- [More news results »](#)

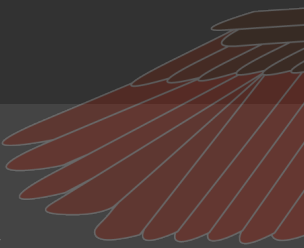
Rank by



MIGRATORY WORDS

Computational Tools for Investigative Political Research

The “Migratory Words” Tool



MIGRATORY WORDS

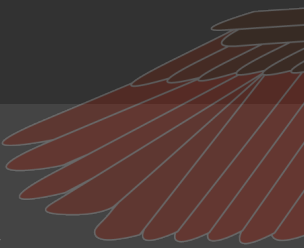
Computational Tools for Investigative Political Research

They said that the health care bill passed by the House of Representatives “keeps in place the longstanding and widely supported federal policy against government funding of elective abortions and plans that include elective abortions” and “ensures that where federal funds are involved, people are not required to pay for other people’s abortions.” The Senate bill does not maintain this commitment.

In the Senate version, “federal funds will help subsidize, and in some cases a federal agency will facilitate and promote, health plans that cover elective abortions,” the bishops said. “All purchasers of such plans will be required to pay for other people’s abortions in a very direct and explicit way, through a separate premium payment designed solely to pay for abortion. There is no provision for individuals to opt out of this abortion payment in federally subsidized plans, so people will be required by law to pay for other people’s abortions.” The public consensus against abortion funding, said the bishops, “is borne out by many opinion surveys, including the new Quinnipiac University survey December 22 showing 72 percent opposed to public funding of abortion in health care reform legislation.”

“This bill also continues to fall short of the House-passed bill in preventing governmental discrimination against health care providers that decline involvement in abortion,” the bishops said. And it also “includes no conscience protection allowing Catholic and other institutions to provide and purchase health coverage consistent with their moral and religious convictions on other procedures.

*U.S. Conference of Catholic Bishops
Dec. 22 2009*



MIGRATORY WORDS

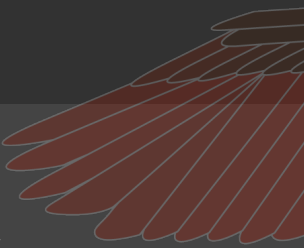
Computational Tools for Investigative Political Research

*They said that the health care bill passed by the House of Representatives “keeps in place the longstanding and widely supported federal policy against government funding of elective abortions and plans that include **elective abortions**” and “ensures that where federal funds are involved, people are not required to pay for other people’s abortions.” The Senate bill does not maintain this commitment.*

*In the Senate version, “**federal funds will help subsidize**, and in some cases a federal agency will facilitate and promote, **health plans that cover elective abortions**,” the bishops said. “All purchasers of such plans will be required to pay for other people’s abortions in a very direct and explicit way, through a separate premium payment designed solely to pay for abortion. There is no provision for individuals to opt out of this abortion payment in **federally subsidized plans**, so people will be required by law to pay for other people’s abortions.” The public consensus **against abortion funding**, said the bishops, “is borne out by many opinion surveys, including the new Quinnipiac University survey December 22 showing 72 percent opposed to public funding of abortion in health care reform legislation.”*

*“This bill also continues to fall short of the House-passed bill in preventing governmental **discrimination against health care providers** that decline involvement in abortion,” the bishops said. And it also “includes no **conscience protection** allowing Catholic and other institutions to provide and purchase health coverage **consistent with their moral and religious convictions** on other procedures.*

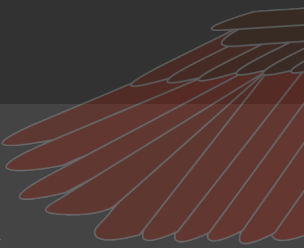
U.S. Conference of Catholic Bishops
Dec. 22 2009



MIGRATORY WORDS

Computational Tools for Investigative Political Research

Methods: Corpus Construction

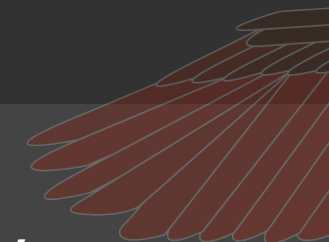


CORPUS INDEXING

Indexed over 1.2 million documents

Over 1.7 billion terms

19 repositories of publicly available text



MIGRATORY WORDS

Computational Tools for Investigative Political Research

1153980 documents in 19 corpora

☒ Document size ☐ Document count

FEDERAL REGISTER

BILLS AND RESOLUTIONS

Corporate Speeches

PR NEWswire

Congressional Documents

CONGRESSIONAL HEARINGS

CONGRESSIONAL RECORDS

Think Tanks

CONGRESSIONAL REPORTS PRESIDENTIAL

NATIONAL BUREAU OF ECONOMIC RESEARCH

URBAN

CFR

FRASER

CATO

RAND

AEI

BROOKINGS

NCPA CGD

DEWIT



MIGRATORY WORDS

Computational Tools for Investigative Political Research

PRNewsWire (HTML)

All NewsReleases - Sept 09 - Mar 10 (6mo)

Including:

- All Health News
- All Financial News
- All Current Events

LouisDB

Bills and Resolutions
Congressional Reports
Congressional Record
Congressional Hearings
Federal Register
Presidential Documents

Corporate Text via "Hill Archive" HTML

All articles provided by "Hill" White-Paper database

Including:

- Health Care
- Health Care Reform
- Public Health
- Finance

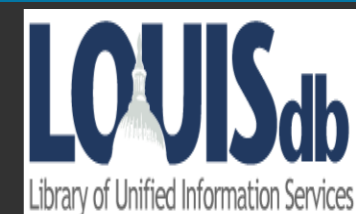
PRNewsWire via data dump

All NewsReleases - 2006- 2007 (2yrs)

PR Feeds



Government Text



Position Papers

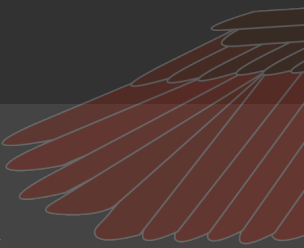


Think Tanks



Think Tank (HTML and PDF)


RAND
CATO
Fraser
Center for Global Development
Brookings
NCPA
Civitas
Center for Foreign Relations
American Enterprise Institute
NBER
Urban Institute



MIGRATORY WORDS

Computational Tools for Investigative Political Research

DIFFERENT PARTS OF HTML

**PR Newswire**
United Business Media

Send a release
Member sign in v
Become a member
For journalists
Global sites v

Products & ServicesKnowledge CenterBrowse News Releases

See more news releases in: [Food & Beverages](#), [Retail](#), [Health Care & Hospitals](#), [Corporate Social Responsibility](#), [Not For Profit](#)


Walmart Commits \$2 Billion to Help End Hunger in the U.S.

Retailer's Multi-Year Cash and In-Kind Donations Provide More than 1 Billion Meals in Response to Growing Need

WASHINGTON, May 12 /PRNewswire-FirstCall/ -- Walmart and the Walmart Foundation announced a \$2 billion cash and in-kind commitment today, stepping up efforts to help end hunger in America. The new five-year initiative, "Fighting Hunger Together," includes four key components:

- **Donating more than 1.1 billion pounds of food** from Walmart stores, distribution centers and Sam's Club locations, valued at \$1.75 billion;
- **Grants totaling \$250 million** to support hunger relief organizations at the national, state and local levels;
- **Mobilizing Walmart associates and customers.** For example, Walmart's logistics team will lend their expertise to help food banks become more efficient in their operations; and
- **Collaboration with government, food manufacturers and other corporations** that are fighting hunger to increase impact and reach a greater number of families in need.

According to a November 2009 United States Department of Agriculture (USDA) report, hunger rates in the U.S. are the highest since 1995 with nearly 15 percent of households lacking access to an adequate supply of nutritious food. Walmart expects its cash and in-kind gifts of fresh produce, meat, dairy and other foods to provide more than 1 billion meals to these needy families.



**AMERICAN ENTERPRISE INSTITUTE FOR PUBLIC POLICY RESEARCH**

HOMEABOUT AIEDONATEBLOGRegister on AEI.org | Log In

Home > Publications > Speeches & Testimony > Iran Sanctions: Why Does the U...Thursday, May 13, 2010

PUBLICATIONS
Books
Articles & Commentary
AEI Outlooks & On the Issues
Speeches & Testimony
Papers & Studies
Press Releases
SCHOLARS
EVENTS
RESEARCH AREAS
PROJECTS
PUBLIC AFFAIRS
SUPPORT AEI


SPEECHES & TESTIMONY

Iran Sanctions: Why Does the U.S. Government Do Business with Companies Doing Business in Iran?

By Danielle Pletka | Senate Committee on Homeland Security and Governmental Affairs (May 12, 2010)

Danielle Pletka, vice president of foreign and defense policy studies at AEI, testified before the Senate Committee on Homeland Security and Governmental Affairs. Her prepared remarks follow.



"Why does the United States government do business with companies doing business in Iran?" Simple answer: Because it can.

As the Department of Defense rightly noted in its commentary on the GAO report released today, the companies in question are qualified to bid on federal contracts and are not excluded by any U.S. law or regulation.

The *New York Times* reported earlier this year that 74 companies have done business with both the Islamic Republic of Iran and the United States Government over the past decade. Of those, 49 continue to do business there, according to the Times, and have no reported plans to stop their business with Iran. The GAO report makes clear that some of this business seems necessary for either logistical or financial reasons; fuel supplies, base building and similar endeavors can--though may not necessarily--limit the choices available to the Department of Defense. But among the benefits that some of these companies receive have been \$4.5 billion in loan guarantees and loans from the Export Import Bank--loans, which the Bank's leadership insist were fully vetted with the Department of State and other administration players.[1]

It was only in December of last year--more than 13 years after the passage of the Iran Libya

EMAIL
PRINT
SAVE

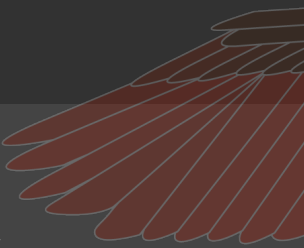
Related Materials

SHORT PUBLICATIONS

Get Ready for a Nuclear Iran With a Clenched Fist
Iran: The Case for "Regime Change"
Time to Confront the Tehran-Caracas Axis

RESEARCH AREAS

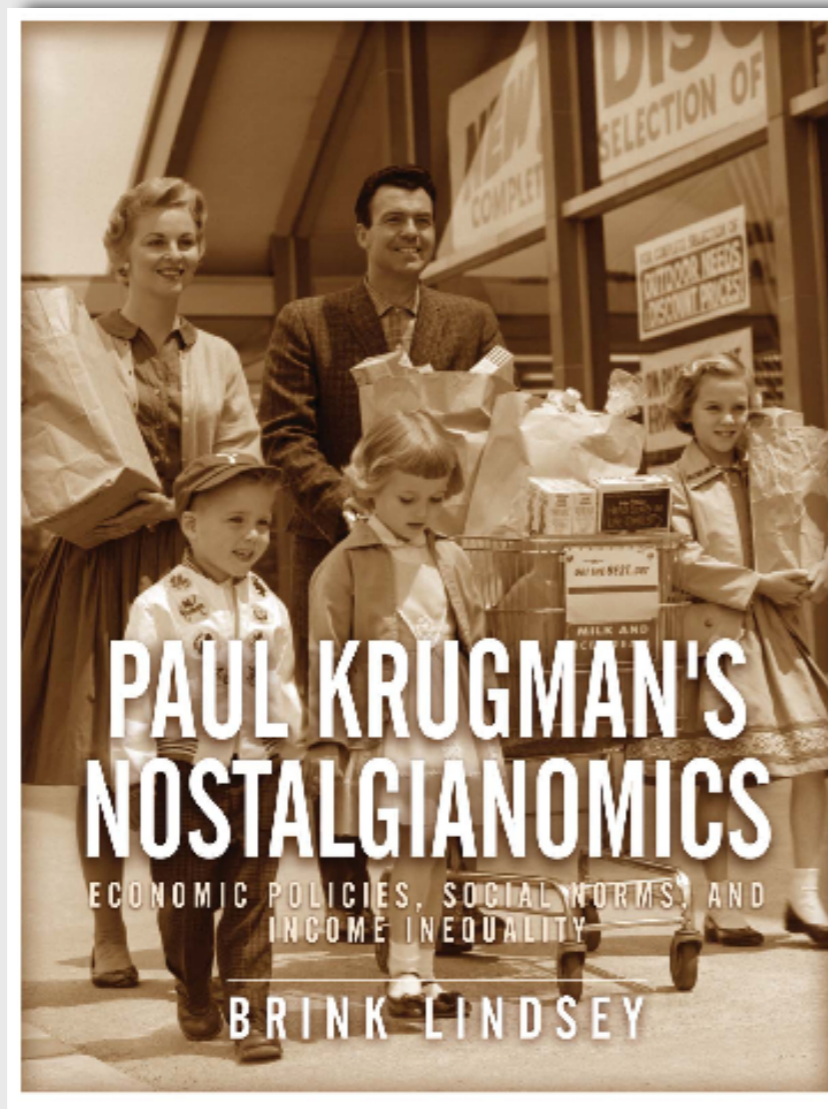
- » Foreign and Defense Policy Studies
- » Middle East



MIGRATORY WORDS

Computational Tools for Investigative Political Research

EVEN WORSE. PDFs.



Although the large influx of unskilled immigrants has made American inequality statistics look worse, it has actually reduced inequality for the people involved.

offshore specific parts of the production process have magnified the downward pressure of trade on low-end wages. He concludes, however, that data on trade flows are not sufficiently detailed to permit a reliable quantitative estimate.⁷⁹

The huge wave of immigration over the past generation, the result of a policy change catalyzed by changing social norms, has also exerted mild downward pressure on the wages of native-born low-skilled workers. Most estimates show a small effect: at the high end, Harvard economist George Borjas found that immigration between 1980 and 2000 depressed the wages of high-school dropouts by around 9 percent.⁸⁰

The more dramatic impact of immigration on measured inequality, however, has come from its effect on the composition of the American workforce. Specifically, immigration has substantially increased the number of less-skilled workers, thereby increasing apparent inequality by depressing average wages at the low end of the income distribution. According to American University and Urban Institute economist Robert Lerman, excluding recent immigrants from the analysis would eliminate roughly 30 percent of the increase in adult male annual earnings inequality between 1979 and 1996.⁸¹

Interestingly, although the large influx of unskilled immigrants has made American inequality statistics look worse, it has actually reduced inequality for the people involved. After all, immigrants experience large wage gains as a result of relocating to the United States, thereby reducing the wage gap between them and top earners in this country. According to Lerman, if trends in inequality are recalculated to include, at the beginning of the period, recent immigrants and their native-country wages, a very different picture emerges. Instead of the 90/10 wage ratio increasing by 16.6 percent between 1979 and 1996, it actually fell by 4.7 percent. Thus, the result of immigration has been to reduce human inequality while increasing national inequality.⁸²

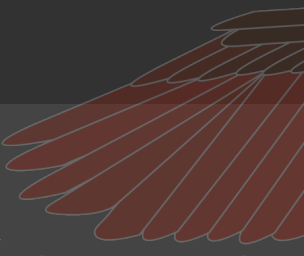
Changing social norms led, not only to a large infusion of foreign-born workers into

the labor force, but to a large infusion of American women as well. How did the transformation of social attitudes about the role of women in society affect the inequality picture? The massive expansion of opportunities for women resulted in significant gains for gender equality: the female-male earnings ratio shot up from 0.30 in the mid-1960s to 0.57 in 2002.⁸³

In terms of overall income inequality, though, gains for women have ended up widening rather than narrowing income differences. Since women's incomes have been rising faster than men's in recent decades, the shift from one- to two-earner households might have reduced inequality by supplementing lagging male earnings with more rapidly increasing female earnings. But because of the prevalence of "assortative mating"—that is, the tendency of people to choose spouses with similar educational and socioeconomic backgrounds—the rise in dual-income couples has actually exacerbated household income inequality. Between 1979 and 1996, the proportion of working-age men with working wives rose by approximately 25 percent among those in the top fifth of the male earnings distribution, and their wives' total earnings rose by over 100 percent.⁸⁴ According to a 1999 estimate by Gary Burtless of the Brookings Institution, this unanticipated consequence of the women's movement accounted for about 13 percent of the total rise in income inequality since 1979.⁸⁵

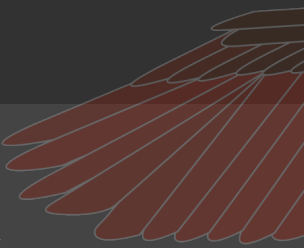
What about rapidly rising incomes at the top of the pay scale? Is there any evidence that changes in policy and social norms have contributed to the rise of "winner-take-all" or "superstar" markets?

Economic logic suggests that the general throttling of competitive pressures during the Treaty of Detroit era probably did suppress high-end earnings by reducing competition among employers for the most talented executives and other key employees. After all, to the extent that trade barriers abroad and price and entry controls at home weakened the connection between firms' productivity and their bottom line, the importance of attracting and



DIFFERENT METADATA SCHEMES

corpus	doc_id	trackback	published_time	publisher	author	title	keywords	categories
bills	[filename]	<id>	<published>			<title>		
cr	[filename]	<id>	<published>			<title>		
fr	[filename]	<id>	<published>			<title>		
hearings	[filename]	<id>	<published>			<title>		
presidential	[filename]	<id>	<published>			<title>		
reports	[filename]	<id>	<published>			<title>		
aei	[filename]	URL:	DC.date:	publisher:	author:	DC.title:	keywords:	taxonomy:
			date: or date_parsed: (first)					
cato	[filename]	URL:			author:	title:	keywords:	sector:
cgdev	[filename]	URL:	date:	copyright:	authors:	title:	keywords:	sector:
			Date Published:					
fraser	[filename]	URL:			Author(s):			sector:
thehill	[filename]	URL:		organization:		title:	keywords:	sector:



IT WAS JUST CUTE.

Thursday, August 13, 2010

Aug 13

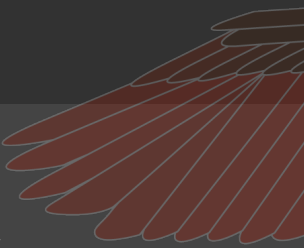
2010-08-13

20100813

2010

10-8-13

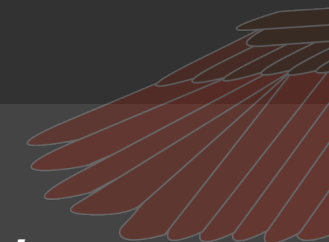
08-13-2010



MIGRATORY WORDS

Computational Tools for Investigative Political Research

Methods: Filter on `<interesting>`?



MIGRATORY WORDS

Computational Tools for Investigative Political Research

President Obama opens new area

By [Juliet Eilperin and Anne E. Kornblut](#)

Washington Post Staff Writer

Thursday, April 1, 2010

nationwide, a solid majority of Americans support broader energy exploration: In the latest national survey on the subject, 63 percent of Americans told Pew pollsters in February that they favor allowing offshore oil and gas drilling in U.S. waters.

Obama emphasized Wednesday that the policy fits within his overall framework for clean-energy development. The nation will "need to harness traditional sources of fuel even as we ramp up production of new sources of renewable, homegrown energy," he said at Joint Base Andrews Naval Air Facility Washington, formerly Andrews Air Force Base. "So today we're announcing the expansion of offshore oil and gas exploration -- but in ways that balance the need to harness domestic energy resources and the need to protect America's natural resources."

Independence

[View All Items in This Story](#)

In what could represent the biggest expansion of offshore energy exploration in half a century, Obama announced that he will open the deep-sea drilling off

26 Results found

Most Interesting:

Expansion of offshore oil

Found in: 2 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

Harness domestic

Found in: 3 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

☒ Timeline view ☐ Corpora view [view details](#)

2005 2006 2007 2008 2009 2010

Council on Foreign

Congressional rec

Traditional sources of fuel

Found in: 6 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

Production of new sources

Found in: 7 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

Obama emphasized

Found in: 10 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

Expansion of offshore

Found in: 14 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

Announcing the expansion

Found in: 28 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

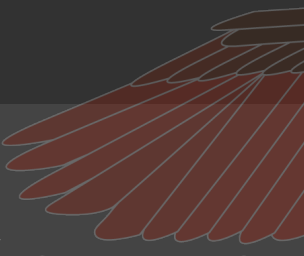
New sources of renewable

Found in: 33 documents | Present in the input text

[See Details](#)

[Add to favorites](#)

[Resize](#) [Print](#) [E-mail](#)



MIGRATORY WORDS

Computational Tools for Investigative Political Research

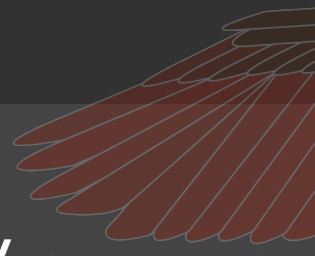
TOKENIZE

ity of Americans support broader energy
national survey on the subject, 63 percent of
ters in February that they favor allowing more
g in U.S. waters.

uesday that the policy fits within his overall
gy development. The nation will "need to
s of fuel even as we ramp up production of
, homegrown energy," he said at Joint Base
ty Washington, formerly Andrews Air Force
nouncing the expansion of offshore oil and gas
that balance the need to harness domestic
need to protect America's natural resources."



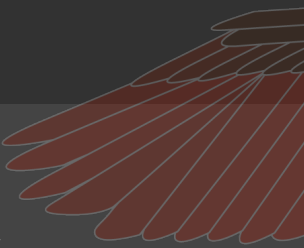
```
('ramp', 'up')  
( 'up', 'production')  
( 'production', 'of')  
( 'of', 'new')  
( 'new', 'sources')  
( 'sources', 'of')  
( 'of', 'renewable')  
( 'renewable', ',')  
( ',', 'homegrown')  
( 'homegrown', 'energy')  
( 'energy', ',')  
( ',', 'he')  
( 'he', 'said')  
( 'said', 'at')
```



ramp up
up production
~~production of~~
~~of new~~
new sources
~~sources of~~
~~of renewable~~
~~renewable,~~
~~, homegrown~~
homegrown energy
~~energy,~~
~~, he~~
~~he said~~
~~said at~~

FILTER: REMOVE NOISE

- digits
- n-grams with many common words
- n-grams with really long terms (like URLs)
- etc...

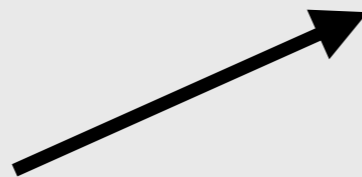
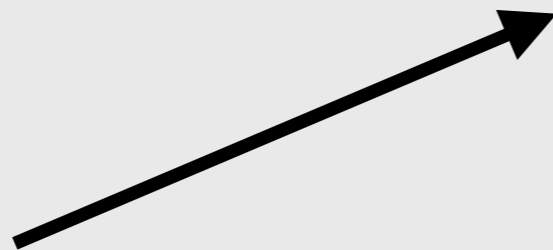


MIGRATORY WORDS

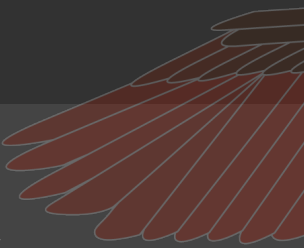
Computational Tools for Investigative Political Research

SCORE FOR
“UNLIKELINESS”

ramp up
up production
new sources
homegrown energy



up
homegrown
appears
appears 1,047,124 times
1,911 times
production
energy
appears
appears 502,350 times
1,106,644 times



MIGRATORY WORDS

Computational Tools for Investigative Political Research

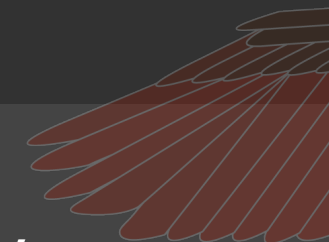
COUNT

"ramp up"

2,757 documents

"homegrown energy"

67 documents



MIGRATORY WORDS

Computational Tools for Investigative Political Research

“HOMEGROWN ENERGY”

31 Results found

Most Interesting:

Homegrown energy

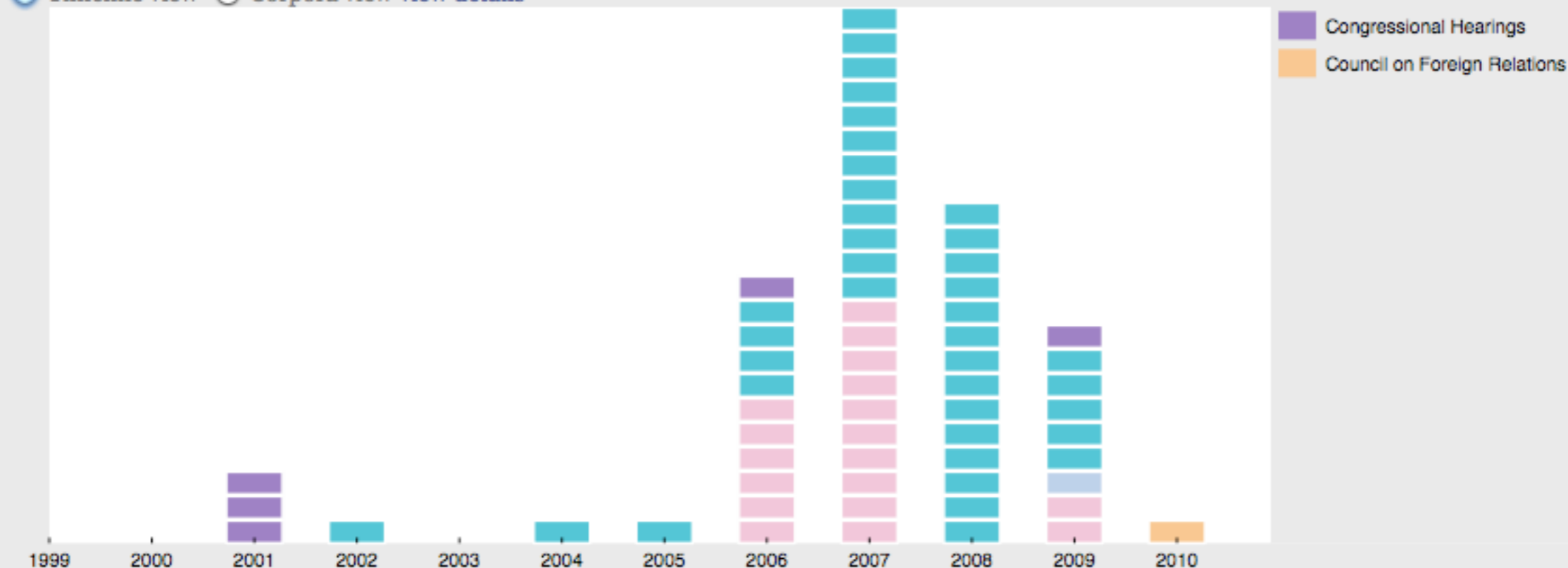
Found in: 67 documents | Present in the input text

See Details

Add to favorites



☒ Timeline view ☐ Corpora view [view details](#)



RENEWABLE FUELS FOR ENERGY SECURITY | Congressional Hearings (2001-07-06)

We believe that this is a program that is flexible and user friendly. We commend you and Senator Hagel for this bold and innovative step in moving our country toward **homegrown energy** sources. As you know, Mr. Chairman, for the last 8 to 10 years the U.S. soybean growers have invested their research and development and commercialization money in biodiesel.



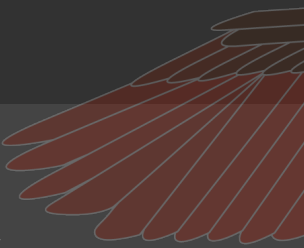
IT'S A LITTLE MORE COMPLICATED

“Does the phrase have more than 50% stopwords?”

“Does one term appear < 30 times in corpus?”

“Does a term have more than two hyphens in it?”

“Does the n-gram end with a stopword?”



LIMITATIONS

SEMANTIC:

“biological nuclear national security missile regional stability firearms”

STATISTICAL:

“appropriations subcommittee in january”



MIGRATORY WORDS

[HOME](#) [CORPORA](#) [METHODOLOGY](#) [ABOUT US](#)

Can computational systems help investigative journalists to identify patterns of intellectual influence that shape the creation of public policy?

Type or paste your text into the search box and let Migratory Words find the most interesting language as it has evolved and changed over time

[Read more ...](#)

Type a phrase you want to investigate or paste a bulk text.

[Show filters](#)

[Investigate](#)

Top phrases

[View all](#)

Favorite phrases by users

- » Slash-and-burn and hit-and-run negative attack
- » Run roughshod over the constitution
- » Combating global warming
- » Moral and religious convictions

Council on Foreign Relations

- » Renewable-energy technologies
- » National-security information
- » Nationally-representative sample
- » Next-generation technologies
- » Intelligence-related activities
- » Information-technology industry

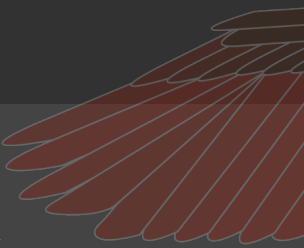
Cato Institute

- » Minority-serving institutions
- » Notice-and-comment procedures
- » Information-technology products
- » Energy-conservation measures
- » Small-government jurisdictions
- » Research-and-development spending

Fraser Institute

- » Full-time-equivalent employees
- » Administration environmental
- » Non-governmental organization
- » Regulatory responsibilities
- » Telecommunications networks
- » Environmental considerations

Disclaimer: The website runs best in Firefox, Chrome and Safari. We are working on making it Internet Explorer ready.



Future Potential

Studying the “Congressional Remix”

Social Network Integration, Twitter

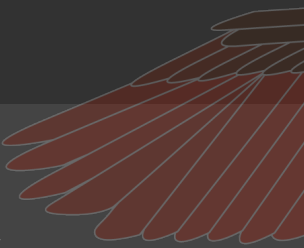
Automated Content Gathering

Firefox Plug-in for Contextual Search

Semantic and Sentiment Analysis

Linguistic Analysis of Legal Text

Academic Ideological Mapping



MIGRATORY WORDS

Computational Tools for Investigative Political Research

ONGOING POLICY CHALLENGES: FAIR USE

Not for Profit

For Research Purposes
Public Service, Important for Discussion or Debate
Transformative Use

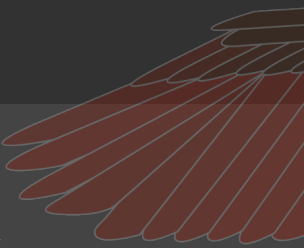
Caching

Link Back to Source



ONGOING POLICY CHALLENGES: TRANSPARENCY

“Targeted Transparency” - Kung et al
is not
“Naked Transparency” - Lessig



MIGRATORY WORDS

Computational Tools for Investigative Political Research

MigratoryWords.com
Questions?