

# Diving into Data

a state-of-the-art tour in  
civic data visualization

October 30, 2012

**Lisa Williams**  
Placeblogger.com  
@lisawilliams



# Q & A

▼ Questions

Type question here.



**Type questions here**

Send

GoToWebinar Control Panel

▼ Audio

Use: ☐ Telephone  
☒ Mic & Speakers

 **MUTED**  ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Talking:

▼ Questions

Type question here.

Send

**How SMBs Can Expand Their Training Reach**  
Webinar ID# 915-121-936

**GoToWebinar**



# Placeblogger

## I've been there

 [admin](#) visited [New York](#)

 [Tish](#) visited [Las Vegas](#)

 [admin](#) lived in [New York](#)

## I'm here now!

 [Lisa](#) lives in [Austin](#)

 [admin](#) is visiting [Vero Beach](#)

 [Lisa](#) is visiting [New York](#)

## I want to go there

[admin](#) will visit [Tuscon](#) 

[admin](#) will live in [British Columbia](#) 

[admin](#) will live in [Oxnard](#) 



## Where are the blogs?

Placeblogger helps you find **blogs** depending on their **location**.  
With **Placeblogger**, you can quickly **find and gather all the feeds**  
from the places you are interested in.

[View](#)[Edit](#)[Clone](#)[Export](#)[Dev load](#)[Dev queries](#)[Dev items](#)

### Latest Blog Posts

Check out the latest blogposts from all the blogs of Placeblogger



#### "Recession Depression" calls for stress relief

"Recession Depression" calls for stress relief Regular Massage is becoming a necessity as stress and tension are impacted by the current economic downturn DENVER,...

[read more about "'Recession Depression" calls for stress..."](#)

posted on  
November 9th,  
2008  
from  
[Dot's Droppings](#)  
based in  
[Denver](#)

### Placeblogger's Blog

Blogging around the world



## 3,000!

The other day, I noticed that we'd received our 3,000th placeblog submission! I don't know exactly which one tipped us into the number 3,000. What's more important, though, is that all of them show us is that there are lots and lots of people who have amazing stories to tell about...

### Latest Placeblogs

[Add your own](#)

[Manila Blog](#)

[e san](#)

[Chapel Hill Magazine](#)

[Miss Vero's Beach House](#)

[Miss Vero's Beach House](#)

[HattersWorkshop Open Office Blog](#)

[Being Balanda](#)

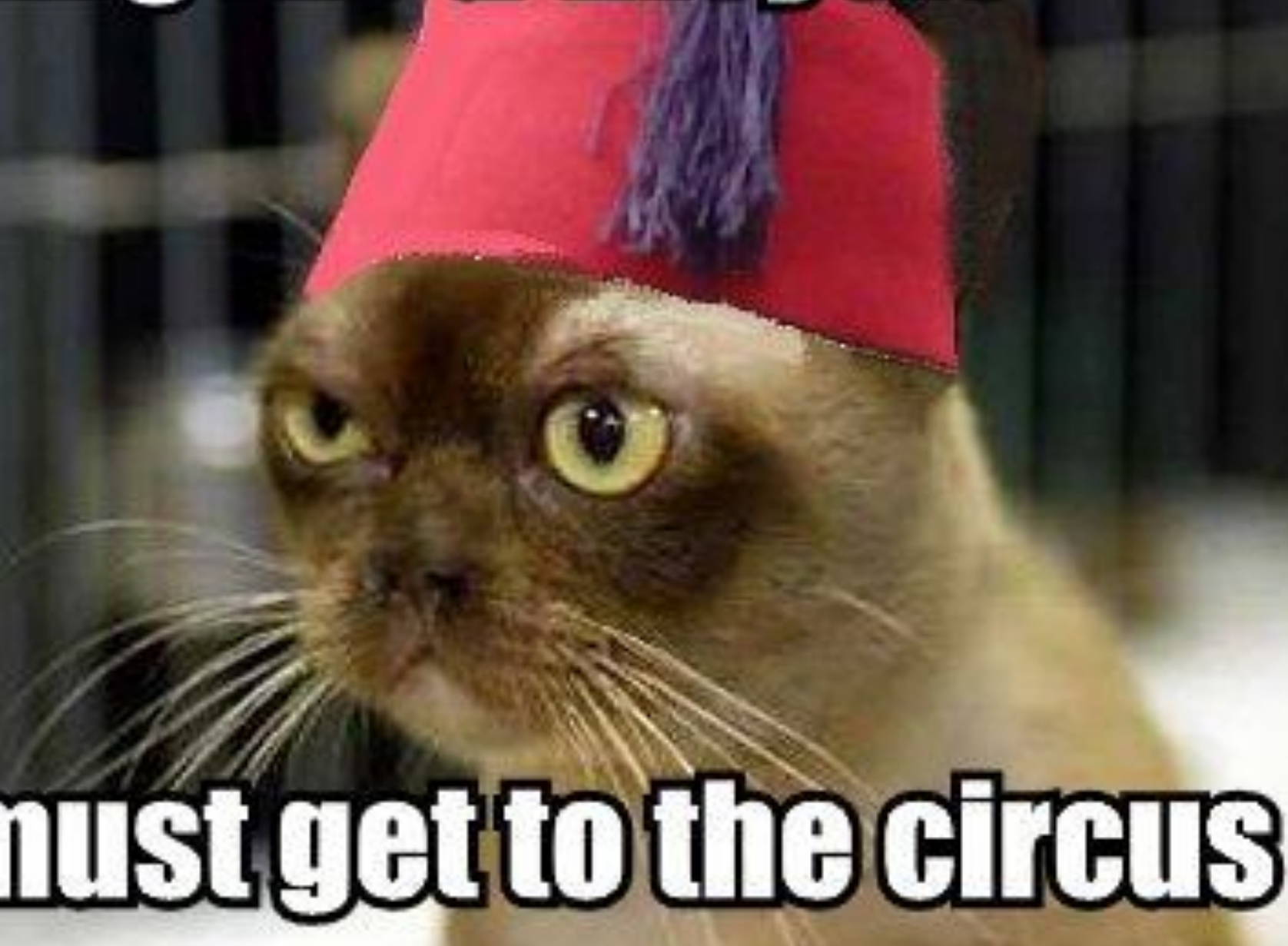
[West Richland Real Estate Blog](#)

[La Gringa's Blogicito](#)

[The Love Blog by Vancouver Blogger Barbara Doduk](#)

Regular Placeblogs

**Bring me a tricycle**



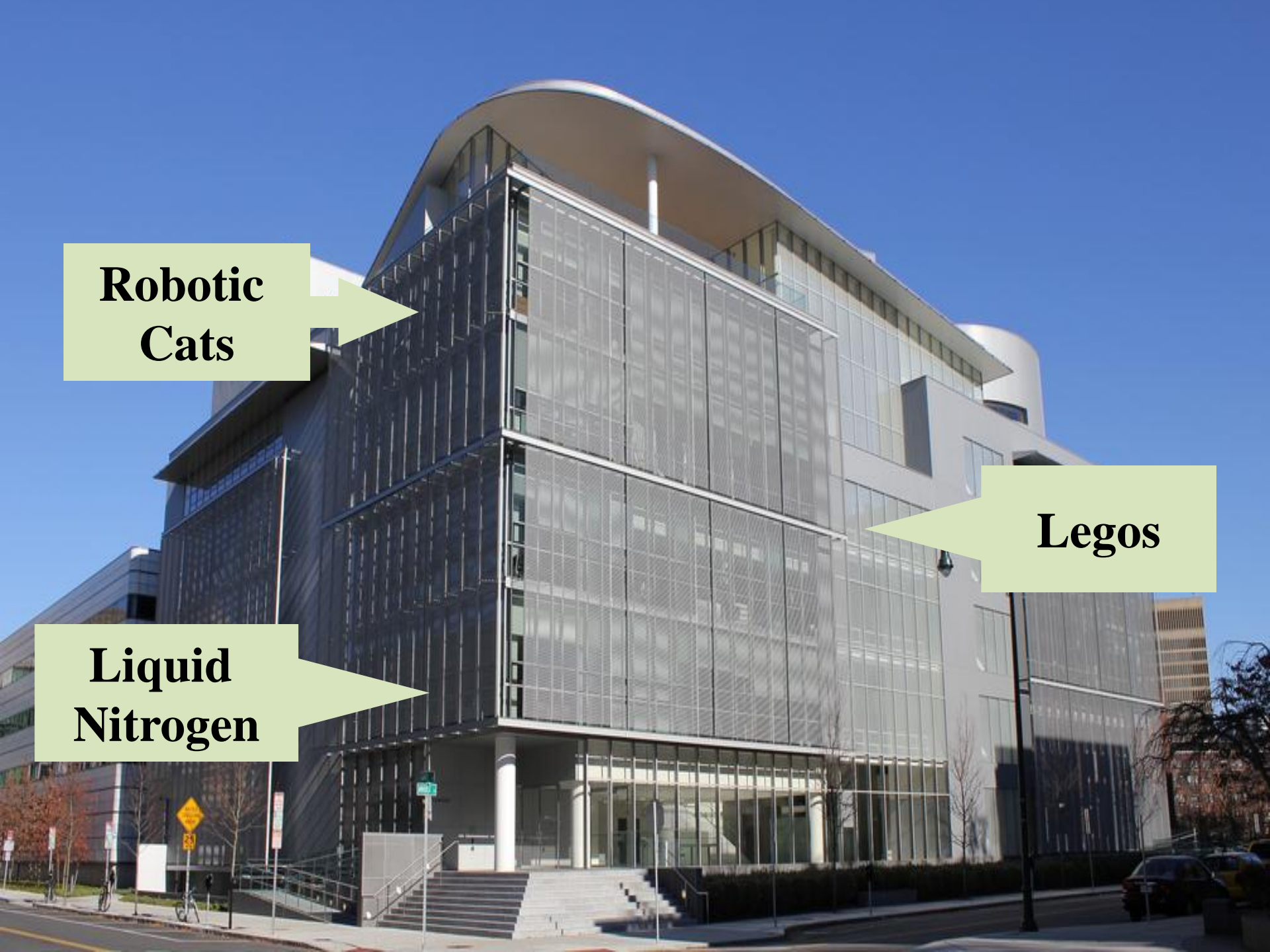
**I must get to the circus**





**Placeblogger  
World HQ**  
*Now with free coffee!*

**Cambridge, MA**



**Robotic  
Cats**

**Legos**

**Liquid  
Nitrogen**





## Lisa Williams

CEO and Founder, Placeblogger.com, Fellow, MIT Media Lab Center for Civic Media  
Greater Boston Area | Online Media

Join LinkedIn and access Lisa Williams's full profile.

As a LinkedIn member, you'll join 150 million other professionals who are sharing connections, ideas, and opportunities. And it's free! You'll also be able to:

- See who you and **Lisa Williams** know in common
- Get introduced to **Lisa Williams**
- Contact **Lisa Williams** directly

View Full Profile

Lisa on LinkedIn:  
[linkedin.com/in/lisawilliams](https://www.linkedin.com/in/lisawilliams)

Lisa on Twitter:  
[@lisawilliams](https://twitter.com/lisawilliams)



## Lisa Williams

[@lisawilliams](https://twitter.com/lisawilliams)

CEO & Founder of Placeblogger, MIT Media Lab fellow, into the future of news. My learning-to-code blog:

<http://lifeandcode.tumblr.com> .

ÜT: 42.365894,-71.16047 · <http://linkedin.com/in/lisawilliams>

 Follow

8,565 TWEETS

1,562 FOLLOWING

3,693 FOLLOWERS

# Life and Code

*A learn-to-program blog written with journalists in mind*

HOME WHY ARE YOU LEARNING TO CODE? I WANT TO CODE - HOW DO I GET STARTED?  
GREATEST HITS ARCHIVES RSS ASK ME ANYTHING



## POSTINGS

### ***ximena vengoechea: Is coding the new Latin?***

ximenavengoechea:

If coding were a fashion accessory, it would be the latest “it” bag on the cover of every glossy magazine. From [Codecademy](#) to [Treehouse](#), coding has been trending like crazy, and with good reason. With the rise of the internetz coding has become a coveted skill, and with this economy it...

Great post. Read it.

Leave an answer

Answer



Logged in as theblackleatherbelt

(log out)

POSTED 8 HOURS AGO REBLOGGED FROM XIMENAVENGOECHEA WITH 3 NOTES PERMALINK

SHARE

## ABOUT ME



**Lisa Williams**

Founder of Placeblogger.com | Winner of Knight News Challenge | Center for Civic Media, MIT Media Lab | Cambridge, MA

SEARCH

<http://lifeandcode.tumblr.com>



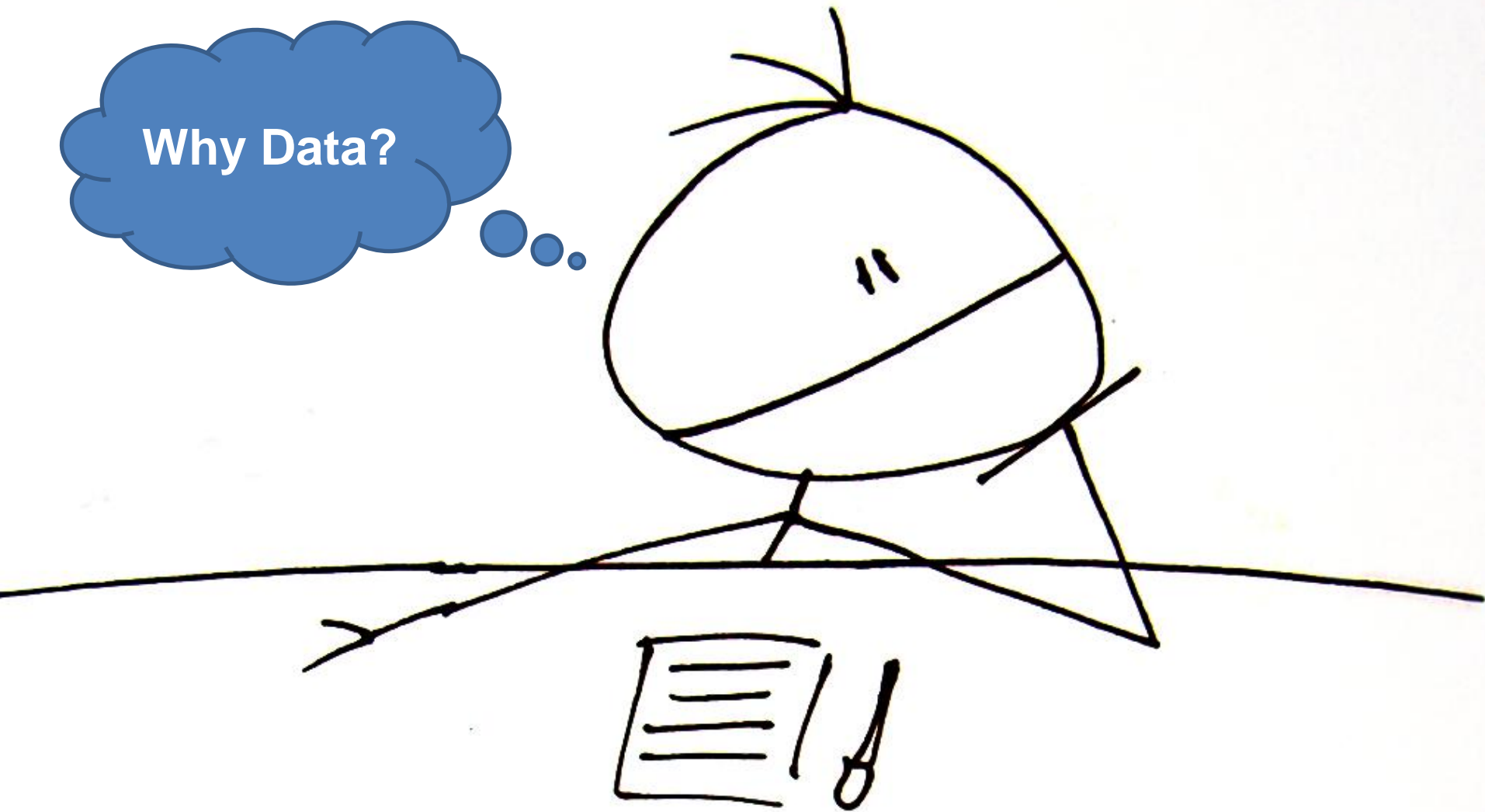


**KEEP  
CALM  
AND  
CARRY  
ON**



**GET  
EXCITED  
AND  
MAKE  
THINGS**

Why Data?





Persuasive,  
Visual,  
Shareable

# Chocolate Pie Chart.

By Mary & Matt.

Net weight: 5.5oz (156g)



Data  
visualization is  
expressive



# The Billion Dollar O-Gram

David McCandless





Data  
visualization is  
persuasive





Map, as of Wednesday:



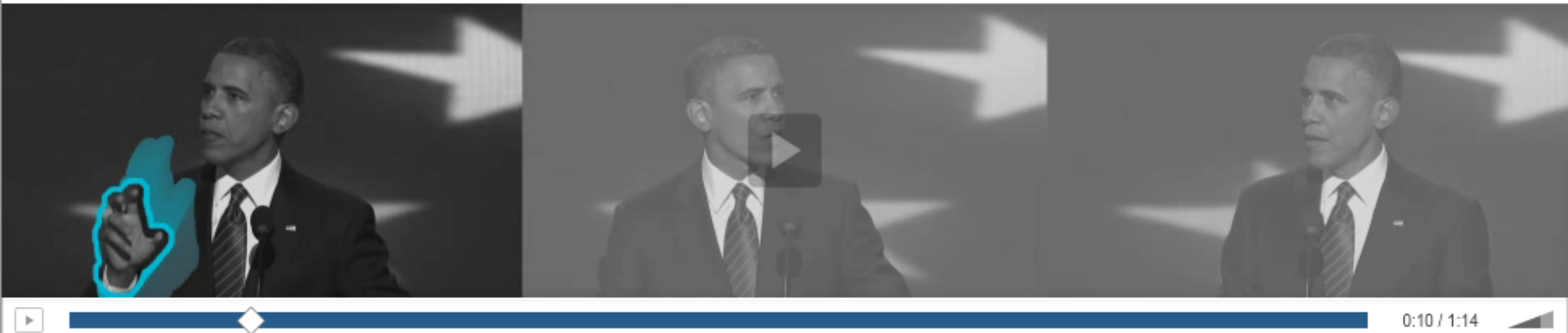




## Obama's Gestures



## Romney's Gestures

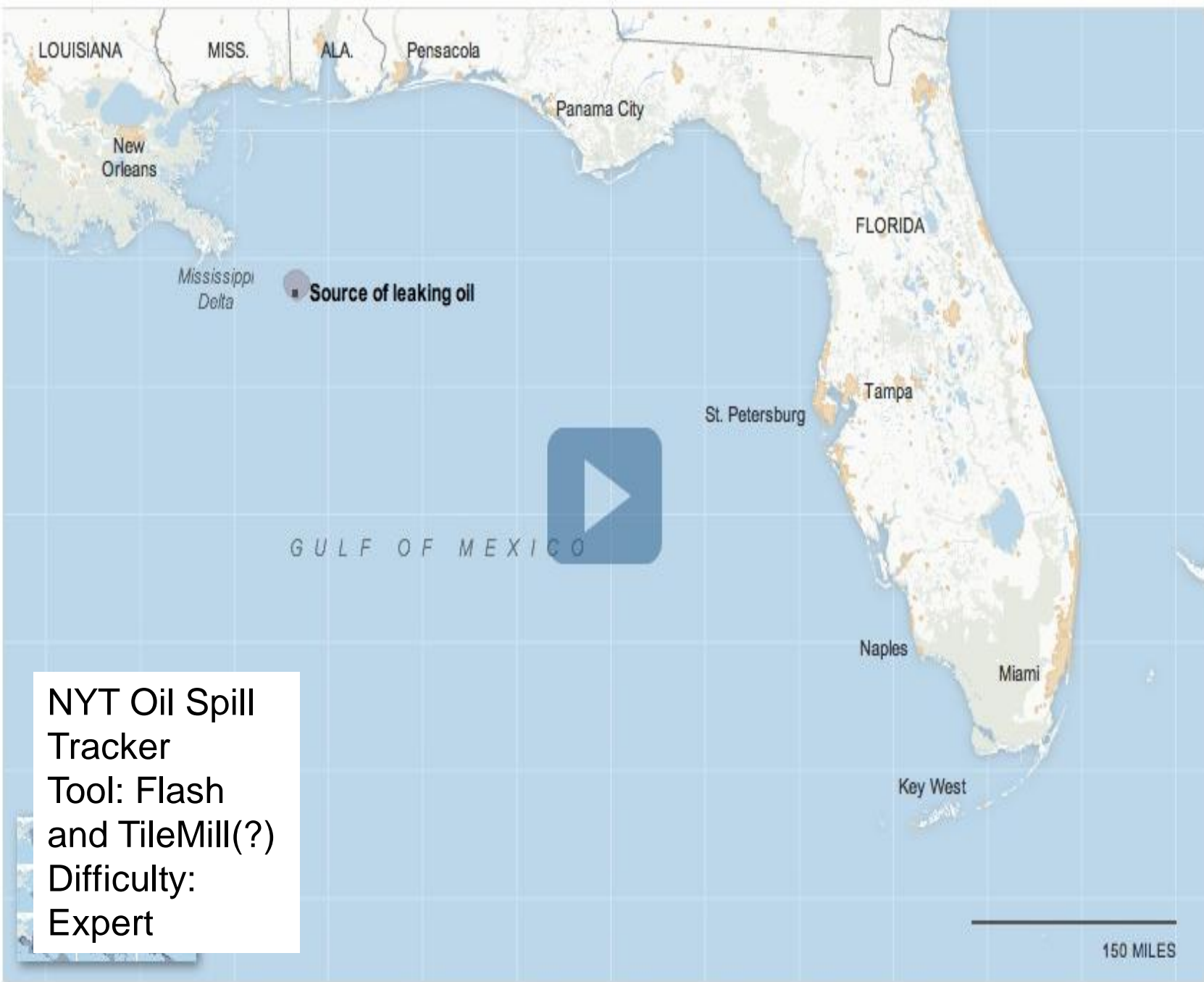


*Mr. Obama uses a more controlled style than Mr. Romney does. While the force of his movements can prompt the viewer to support the argument put forth, controlled movements can also make the*

When Obama used the **Waving a Ball** gesture during his convention acceptance speech



In this movement, the president moves his forearm in an arc from the elbow with his palm open.



**Estimate of oil  
spilled into the  
Gulf through  
April 22**

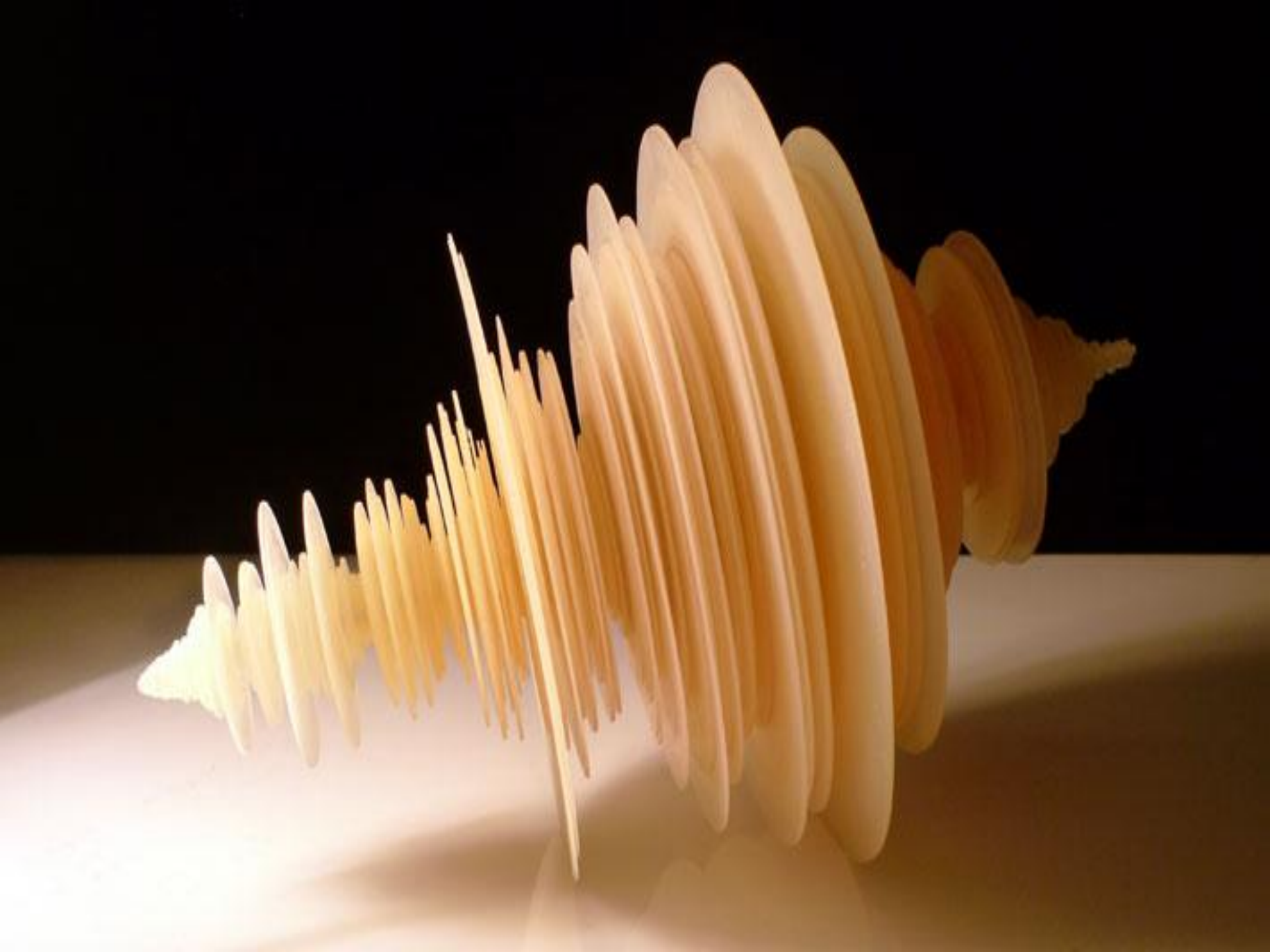
In millions of  
barrels of oil.

Ixtoc I  
**3.3**

Exxon  
Valdez  
**0.3**

NYT Oil Spill  
Tracker  
Tool: Flash  
and TileMill(?)  
Difficulty:  
Expert





Data  
visualization is  
shareable

# wind map

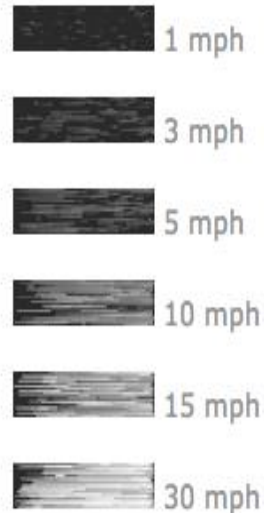
**October 26, 2012**

1:59 am EDT

(time of forecast download)

top speed: **32.1 mph**

average: **7.3 mph**



1,200,000

# FiveThirtyEight Forecast

Updated 10:54 PM ET on Oct. 25

**President**  
Nov. 6 Forecast

**President**  
Now-cast

**Senate**  
Nov. 6 Forecast

Barack Obama

Mitt Romney

**294.1**

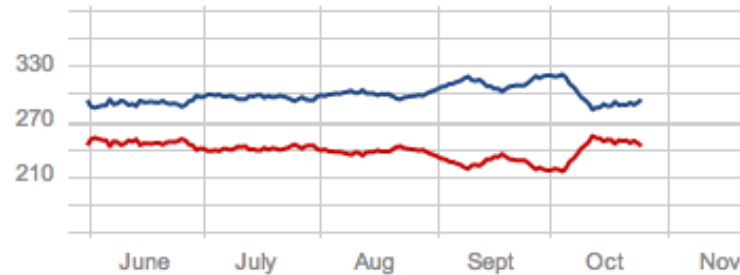
+2.5 since Oct. 18

**Electoral  
vote**

**243.9**

-2.5 since Oct. 18

270 to win



**73.1%**

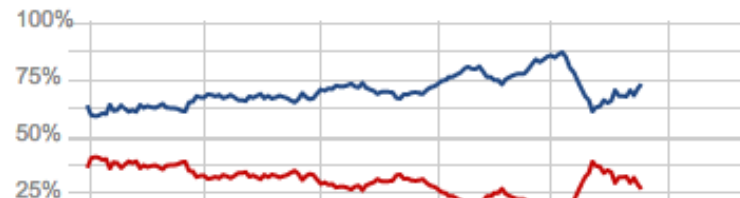
+2.7 since Oct. 18

**Chance of  
Winning**

**26.9%**

-2.7 since Oct. 18

50%





Because data is  
*more available*  
now than ever  
before

Visit the new  
**Education  
Community**



## Latest Datasets

- [FY2011 Compensation and Pension by...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)
- [Gravesite locations of Veterans and...](#)

## DATA AND APPS



- 378,529 [raw](#) and [geospatial](#) datasets
- 1,264 government [apps](#)
- 236 citizen-developed [apps](#)
- 103 [mobile apps](#)
- 180 [agencies and subagencies](#)
- [Suggest a dataset or app!](#)
- [2011 Next Generation Data.gov is interactive, accessible, and social](#)

## COMMUNITIES



Come explore, discuss, meet others in the same field, and develop the data and apps in the community that you care about. Join in the discussions by [going to communities](#), some of which are listed below, that interest you.

[EDUCATION](#)
[ENERGY](#)

## OPEN GOVERNMENT



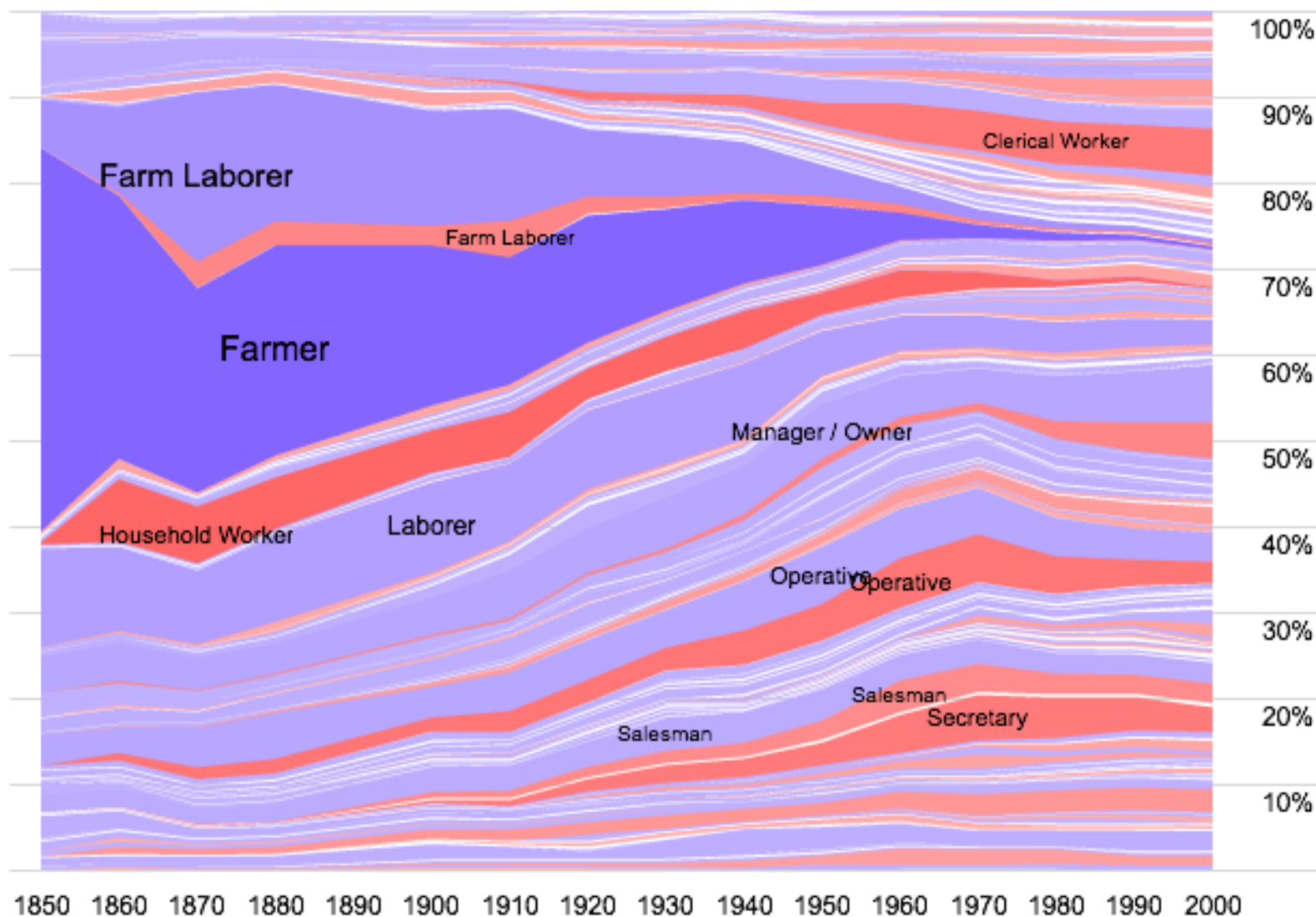
First open source code released for the [Open Government Platform](#) delivered by the governments of India and the U.S. [Find out more](#) and then [download the code](#).

The 2012 International Open Government Data Conference will be held July 10-12 at the World Bank in Washington, DC. We hope to see you there.

# Job Voyager

Reported Occupations - U.S. Labor Force, 1850 - 2000 (source: <http://ipums.org>)

>   ● All ● Male ● Female



## Global Health Observatory Data Repository

[Themes](#)[Data Repository](#)[Countries](#)[Metadata](#)

- ▶ [World Health Statistics](#)
- ▶ [Environmental health](#)
- ▶ [Epidemic prone diseases](#)
- ▶ [Equity](#)
- ▶ [Global Information System on Alcohol and Health](#)
- ▶ [Health systems](#)
- ▶ [Health-related Millennium Development Goals](#)
- ▶ [Health workforce](#)
- ▶ [HIV/AIDS](#)
- ▶ [Immunization](#)
- ▶ [Injuries and violence](#)
- ▶ [Malaria](#)
- ▶ [Mortality and burden of disease](#)
- ▶ [Neglected Tropical Diseases](#)
- ▶ [Noncommunicable diseases](#)
- ▶ [Nutrition](#)

### Welcome to the Global Health Observatory

The GHO data repository provides access to over 50 datasets on priority health topics including mortality and burden of diseases, the Millennium Development Goals (child nutrition, child health, maternal and reproductive health, immunization, HIV/AIDS, tuberculosis, malaria, neglected diseases, water and sanitation), non communicable diseases and risk factors, epidemic-prone diseases, health systems, environmental health, violence and injuries, equity among others. In addition, the GHO provides on-line access to WHO's annual summary of health-related data for its 194 Member states: the World Health Statistics 2012.

We value your feedback, please use the **feedback** link, available on every data view, to suggest new data formats or structures, raise issues on data, or to make any other comment or suggestion.

#### Disclaimer

Please note that this is a beta service, as such, it is not authoritative and the full content of the Global Health Observatory database is not yet available through these functions.

Many of these datasets represent the best estimates of WHO using methodologies for specific indicators that aim for comparability across countries and time; they are updated as more recent or revised data become available, or when there are changes to the methodology being used. Therefore, they are not always the same as official national estimates, although WHO whenever possible will provide Member States the opportunity review and comment on data and estimates as part of country





THE WORLD BANK  
Working for a World Free of Poverty

English Español Français Русский عربي 中文 ▶



GO



ABOUT

DATA

RESEARCH

LEARNING

NEWS

PROJECTS & OPERATIONS

PUBLICATIONS

COUNTRIES

TOPICS

# Data

By Country

By Topic

Indicators

Data Catalog

Microdata

Blog

News

About

For Developers

Products

This page in English Español Français العربية 中文

## Data Catalog

SHARE

The World Bank's Open Data initiative is intended to provide all users with access to World Bank data. The data catalog is a listing of available World Bank datasets, including databases, pre-formatted tables, reports, and other resources.



Access to Information

## Featured Collections



### World Development Indicators

The primary World Bank collection of development indicators compiled from officially-recognized international sources.



### GenderStats

The Gender Statistics database provides indicators on key gender topics. Themes included are demographics, education, health, labor force, & political participation.



### World Bank Finances

Datasets related to the World Bank's finances, with tools to filter, visualize, share, and embed data.



### Global Economic Prospects

Country-level data on the short-, medium, and long-term outlook for the global economy and the implications for developing countries and poverty reduction.





## kezako ?

Bienvenue sur ParisData, le site de la politique Open Data de la Ville de Paris. Vous trouverez ici l'ensemble des jeux de données publiés par les services de la

Ville sous licence libre. Ce catalogue s'enrichira dans les semaines à venir de nouveaux jeux de données, et ...

> en savoir +



## Construisons

ensemble ce projet.

Partageons nos attentes et nos idées de nouveaux services sur le forum

> [Accéder au forum](#)

Données les plus récentes

Données les plus téléchargées

Données récentes

Thèmes



Recherche



Les notices les plus réservées en 2011 ▶

25/10/2012

CSV

Mo



téléchargement(s) : 10



1000 titres les plus empruntés par bibli...

25/10/2012

CSV

Mo



téléchargement(s) : 36

On en parle...

### l' Open Data à Paris



Auregann 4 jeux de données statistiques sur les #bibliothèques de Paris <http://t.co/I1KiEalh> via @opendataParis 16 hours ago



AgentNum Projet #OpenData #Paris à l'honneur lors du prochain #DataApero du 05/11 à 19h



Data Catalog

Frequently Asked Questions

Terms of Use

Select Department

Select Online Service

Welcome to the first iteration of the City of Ann Arbor's Data Catalog website. This site is part of our ongoing commitment to enhance citizen participation and local government transparency. We are pleased to make City [datasets](#) freely available to the public in machine-readable formats.

We expect the Data Catalog site to grow over time as we add additional datasets to the catalog. Your use of the [datasets](#) available on this site is governed by the City's [Terms of Use](#). By downloading the data, you are agreeing to these [Terms of Use](#). When creating these datasets the City has been careful to respect privacy and security concerns.

For questions or comments concerning the City of Ann Arbor Data Catalog please contact the City's IT Director.

If you have suggestions for new datasets or enhancements to existing datasets please send your request to [DataCatalog@A2gov.org](mailto:DataCatalog@A2gov.org).

Agency/Unit	Metadata	CSV	PDF	DOC	RSS/ GeoRSS	KML/ KMZ	SHP	Map
AAGIS	Building Footprints							
AAGIS	City Boundary							
AAGIS	City Owned Land							
AAGIS	DDA Boundary							
AAGIS	Floodplain							
AAGIS	Floodway							
AAGIS	Future LandUse							
AAGIS	Greenbelt Boundary							
AAGIS	Greenbelt Properties							

**Sign up  
for Data Catalog  
e-mail updates**

**Agency/Unit** -  
Agency or service  
unit where the  
data originates.

**Metadata** - Data  
and information  
that is used to  
describe  
datasets.

**CSV** - File  
format that is  
used by  
spreadsheet,  
database, and



a comprehensive list of open data catalogs  
curated by experts from around the world.

### Recently Changed Catalogs

[ParisData](#)[Mississauga, Ontario](#)[Prince George, British Columbia](#)[Data Publica](#)[Calgary, Alberta](#)[View revision log »](#)

268 registered data catalogs available.

# The Top Secret Network of Government and its Contractors

Explore the relationships between government organizations and the types of work being done in Top Secret America. Need help?

Government Organizations ▼

Intelligence ▼

Military ▼

Homeland Security ▼

Unconventional Warfare ▼

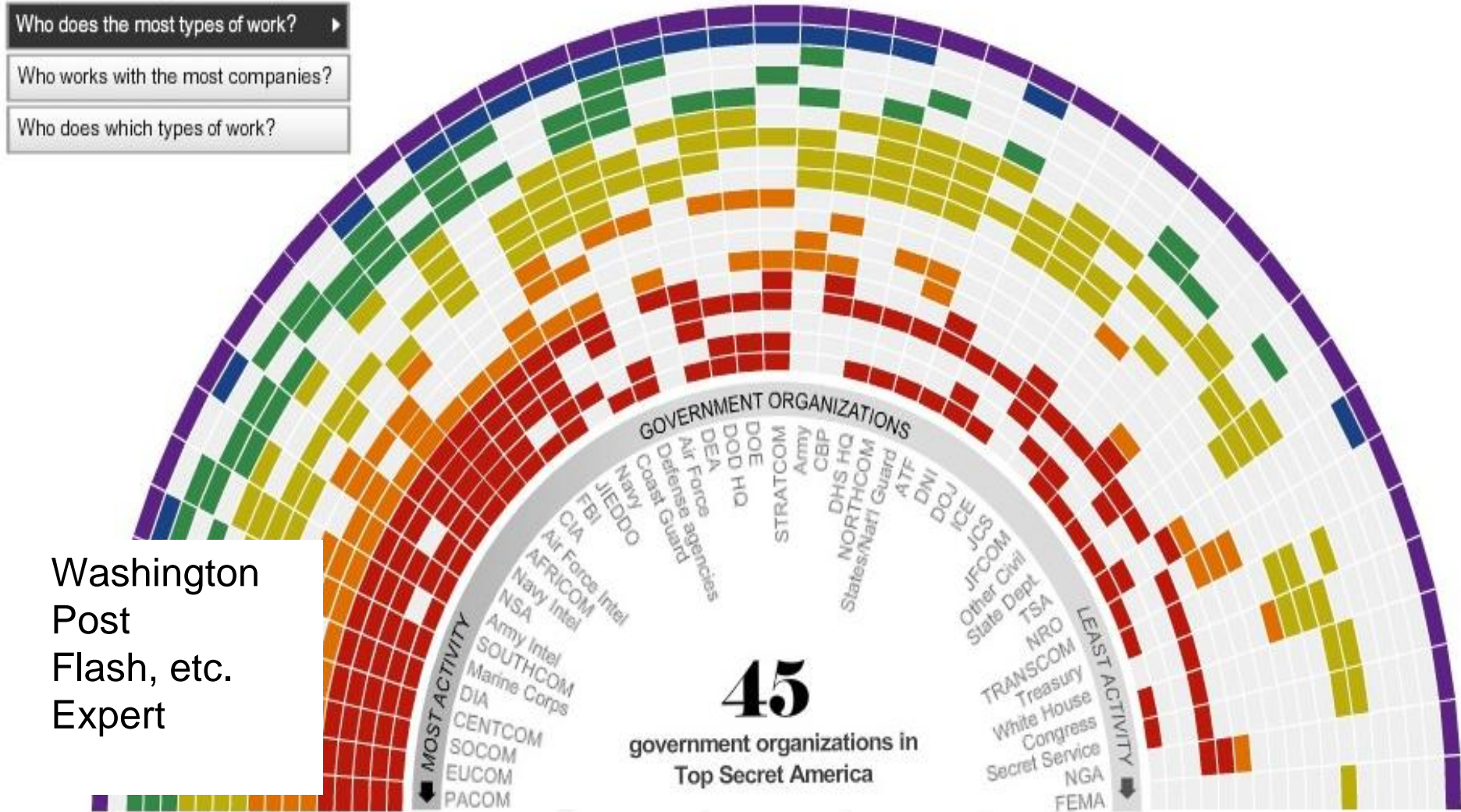
Weapons Technology ▼

Support and Admin ▼

Featured Companies\* ▼

Sort government organizations by:

- Who does the most types of work? ▶
- Who works with the most companies?
- Who does which types of work?



Comments

Share This:

Need Help?

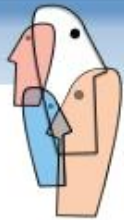
\*Notes/Credits

Fullscreen



Because data  
visualization is  
*easier* than ever  
before





## Listing Visualizations



Showing 1-30 of 143437

Previous 1 2 3 4 5 6 7 8 9 ... 4781 4782 Next

### Explore

- Visualizations
- Data sets
- Comments
- Topic centers
- My stuff
  - My topic centers
  - My watchlist
  - My contributions
  - Messages to me

### Participate

- Create a visualization
- Upload a data set
- Create a topic center

### Learn more

- Quick start
- Visualization types
- Data format and style
- About Many Eyes
- FAQ
- Blog

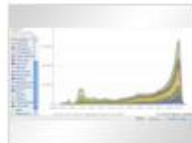
### Contact us

- Contact
- Report a bug

Sort by date



Sorted by rating



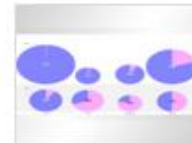
Monday July 9 2007,  
02:17 PM  
Movie Genres  
1888-2012 Count



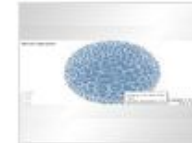
Tuesday July 10  
2007, 06:39 AM  
Alcohol  
Consumption  
Worldwide



Thursday July 19  
2007, 01:55 PM  
Shakespeare's  
favourite words



Saturday July 28  
2007, 10:01 AM  
Survival on the  
Titanic



Thursday March 22  
2007, 05:59 PM  
Upload Flower



Friday November 9  
2007, 05:02 PM  
The Shifting of  
Ireland's  
Population to  
Dublin



Thursday January  
25 2007, 01:58 PM  
Co-Occurrences  
of Names in the  
New Testament  
(more complete  
data)



Monday March 15  
2010, 11:12 PM  
Number of  
Subprime loans  
and Average  
Loan Balance



Friday August 3  
2007, 09:47 AM  
Candidate  
Expenditure  
Matrix



Saturday November  
17 2007, 08:22 PM  
Dominant  
Religious Self-  
Descriptor



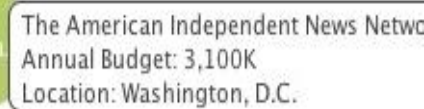
Wednesday  
November 21 2007,  
01:38 PM  
Distribution of US  
Foreign Aid over  
time, 1946-2005



Wednesday March  
17 2010, 04:13 PM  
2008 Colorado  
public library  
technology  
provision by  
county

h>>


ME-ERR-VIS-020 Not shown:10 null/zero items




size



to highlight a cell, click on

**buzzdata**  My Profile Find topics, datasets and people...

---

 **momoko / Open Data Hubs Worldwide** Download

[Overview](#) [Data](#) [Articles 1](#) [Visualizations 2](#) [Followers 0](#) [Attachments](#) [Admin](#)



---

[Privacy Options](#) [Collaborators](#) [Delete Dataset](#)

### Dataset Members

Type in the account name of a BuzzData user or an email address of a non-member to invite them.


Collaborator: 5 Add

-  Momoko Price Creator
-  alex.joseph@cybera.ca [Collaborator Delete](#)
-  Alex Howard [Collaborator Delete](#)
-  Azad Amir-Ghasseml [Collaborator Delete](#)
-  James McKinney [Collaborator Delete](#)
-  Map and Data Librarian [Collaborator Delete](#)
-  Saleem Khan [Collaborator Delete](#)

[Collapse](#)

Post title [Comment](#) [% Like](#)

Write your comment here...

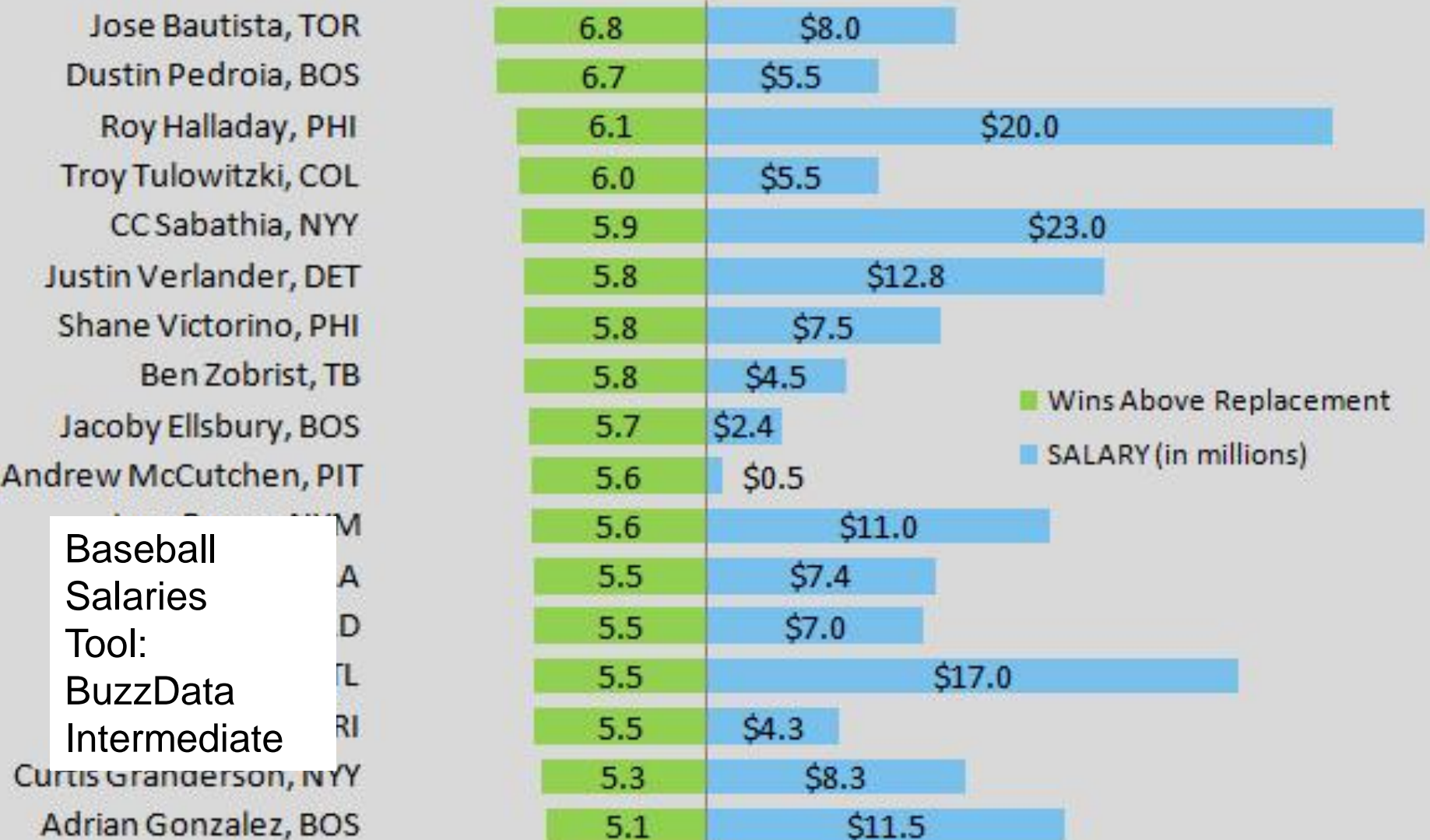
 momoko started following the [Open Data Hubs Worldwide](#) dataset 5 hrs ago [Reply](#)

 momoko updated the [Open Data Hubs Worldwide](#) dataset.  
Note: This update might be based on outdated information. 8 hrs ago [Reply](#)

 momoko commented on [Open Data Hubs Worldwide](#).  
I believe [http://datacatalog.org/](#) has overtaken this dataset in completeness. datacatalog.org has the benefit of having many more collaborators with a vested interest in maintaining their entries. There remain some datasets on this list not on datacatalog.org. However, I've posted a new version that says which a catalog is on datacatalog.org. I've done this for most but not all relevant ones. 1 day ago [Reply](#)



## SALARIES OF BASEBALL'S BEST IN 2011



Baseball  
Salaries  
Tool:  
BuzzData  
Intermediate



### OLAP: Slicing and Dicing

Company	Quarter				Grand Total
	q1	q2	q3	q4	
Burger King	89	224	71	64	448
Jollibee	124	5	1	47	177
KFC	130	211	32	99	472
McDonald's	93	27	26	172	318
Grand Total	436	467	130	382	1,415

#### Quarter

- ☒ (All)
- ☒ q1
- ☒ q2
- ☒ q3
- ☒ q4

#### Company

- ☒ (All)
- ☒ Burger ...
- ☒ Jollibee
- ☒ KFC
- ☒ McDona...

#### Target Mar..

- ☒ (All)
- ☒ children

Sum of Profit (in Millions) broken down by Quarter vs. Company. The view is filtered on Quarter, Company and sum of Profit (in Millions). The Quarter filter has multiple members selected. The Company filter has multiple members selected.

#### Save To Web Results

InfoLink Consulting - OLAP and Dashboard successfully saved to Tableau Public

#### Views

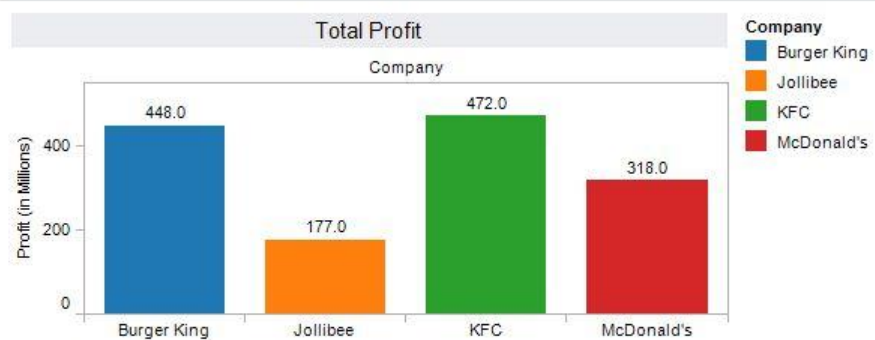
This workbook contains the following 17 views:

#### Report Dashboard



#### Profit Dashboard

#### Preview

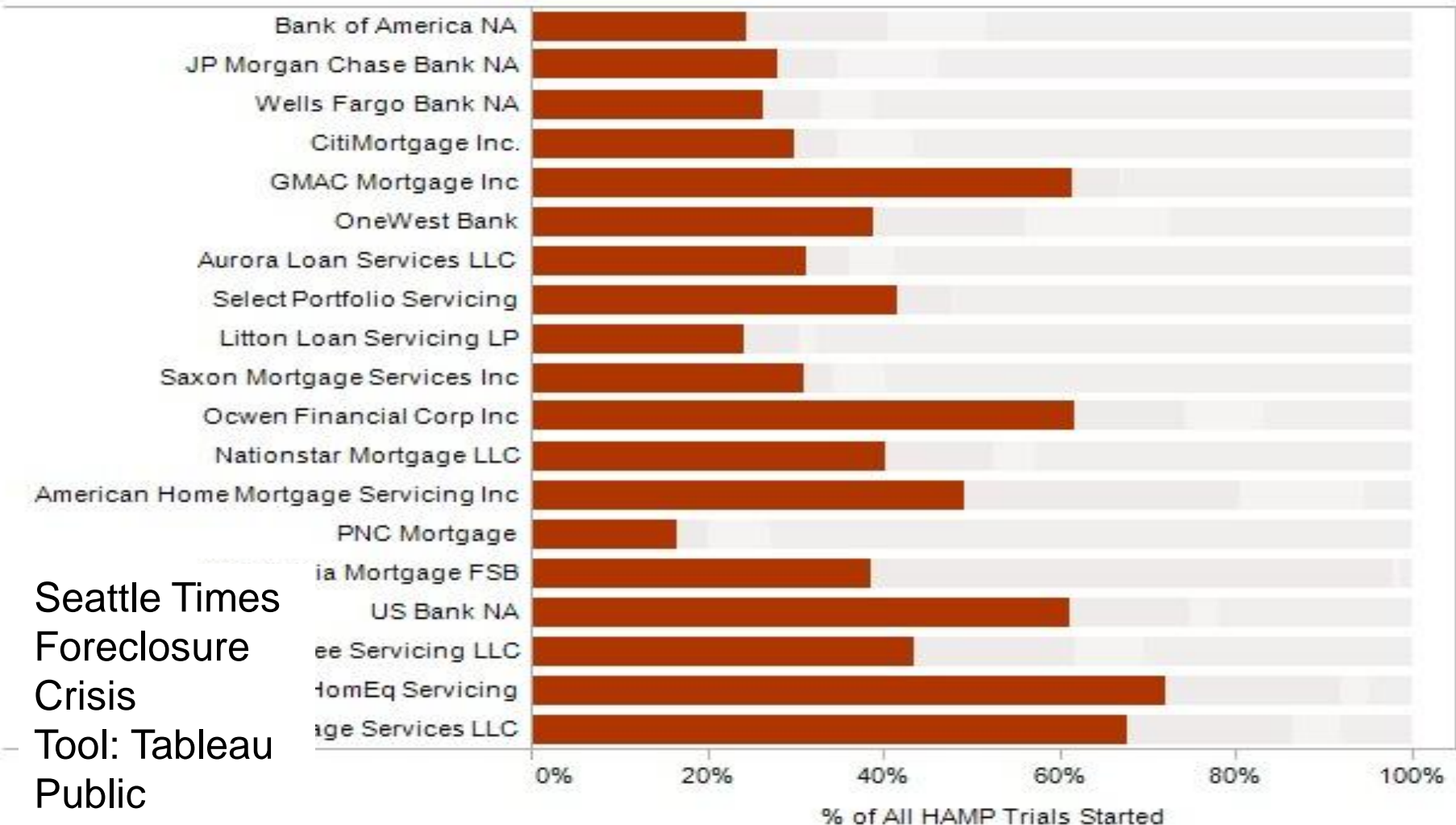


Sum of Profit (in Millions) for each Company. Color shows details about Company. The marks are labeled by sum of Profit (in Millions). The view is filtered on Company, which has multiple members selected.

## Compare mortgage servicers

Servicers are ranked by the number of trial modifications started. Click on the color key to see status of modifications by servicer. Or, compare several servicers at once: Click one name, hold the Control (Command on Mac) key down and click the names of other servicers. To de-select at any time, click on white space.

% of all HAMP trials started



Seattle Times  
Foreclosure  
Crisis  
Tool: Tableau  
Public  
Intermediate

2010 HAMP Servicer Performance Report

Data analysis and visualization by SANJAY BHATT / SEATTLE TIMES STAFF REPORTER

**MTBGuru tracks** Public tracks from MTBGuru.com

File View Edit Share Help

Current view: All (2000-05-05)

Index	Name	URL	Distance	Time
1	San Francisco	http://www.mtbguru.com/track/1	100.0	1:00:00
2	San Francisco	http://www.mtbguru.com/track/2	100.0	1:00:00
3	San Francisco	http://www.mtbguru.com/track/3	100.0	1:00:00
4	San Francisco	http://www.mtbguru.com/track/4	100.0	1:00:00
5	San Francisco	http://www.mtbguru.com/track/5	100.0	1:00:00
6	San Francisco	http://www.mtbguru.com/track/6	100.0	1:00:00
7	San Francisco	http://www.mtbguru.com/track/7	100.0	1:00:00
8	San Francisco	http://www.mtbguru.com/track/8	100.0	1:00:00
9	San Francisco	http://www.mtbguru.com/track/9	100.0	1:00:00
10	San Francisco	http://www.mtbguru.com/track/10	100.0	1:00:00
11	San Francisco	http://www.mtbguru.com/track/11	100.0	1:00:00
12	San Francisco	http://www.mtbguru.com/track/12	100.0	1:00:00
13	San Francisco	http://www.mtbguru.com/track/13	100.0	1:00:00
14	San Francisco	http://www.mtbguru.com/track/14	100.0	1:00:00
15	San Francisco	http://www.mtbguru.com/track/15	100.0	1:00:00
16	San Francisco	http://www.mtbguru.com/track/16	100.0	1:00:00
17	San Francisco	http://www.mtbguru.com/track/17	100.0	1:00:00
18	San Francisco	http://www.mtbguru.com/track/18	100.0	1:00:00
19	San Francisco	http://www.mtbguru.com/track/19	100.0	1:00:00
20	San Francisco	http://www.mtbguru.com/track/20	100.0	1:00:00



Accordingly, if you click on a trail a custom dialog is shown which indicates the elevation profile for the trail concerned.

Links:  
[Google Code](#)  
[Google Maps API](#)  
[Google Earth API](#)  
[FAQ](#)  
[Documentation](#)  
[Discussion Group](#)

What We're Reading:  
[Google Maps API](#)  
[Google Earth API](#)  
[Google Earth Blog](#)

Recent Posts from More Google Blogs:  
[Introducing the Mobile Book](#)  
[Blog](#)

## East Coast Rapist suspect caught 9913 Views

Follow



0

Recommend

Be the first of your friends to recommend this.

Timeline Flipbook List Map



FBI launches billboard campaign to ca.  
Feb 28, 2011



East Coast Rapist suspect caught in ...  
Mar 4, 2011



East Coast Rapist suspect mugshot rel.  
Mar 11, 2011



East Coast Rapist indicted by Virgini...  
Mar 15, 2011



East Coast Rapist billboards spark leac  
Mar 3, 2011



East Coast Rapist admits involvement..  
Mar 7, 2011



East Coast Rapist suspect attempts su..  
Mar 5, 2011



East Coast Suspect arraigned, asks co..  
Mar 7, 2011

27

28

Mar

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

VIEW SOURCES

### Description

After 14 years of searching for an unknown man who had sexually attacked women in four states, Aaron H. Thomas, the East Coast Rapist suspect, was caught in New Haven, Conn. on Mar. 4, 2011

Created by [newhavenregister](#) on Mar 15, 2011

Last updated: 03/23/11 at 01:59 AM

### Followers



### Comments

Please [Join](#) or [Log In](#) to comment.

### Recent Events on East Coast Rapist suspect caught

- Alleged East Coast Rapist pleads not guilty  
Mar 22, 2011

### Related Topics

East Coast  
0 followers, 205 views, 0 events

New Haven  
Register  
Tool: Dipity  
Difficulty:  
Beginner



# Q & A

▼ Questions

Type question here.  
**Type questions here**

Send



Lisa Williams  
Placeblogger.com  
@lisawilliams

# Myths about dataviz

# Data visualization is new

# Diagram of the Causes of Mortality in the Army in the East

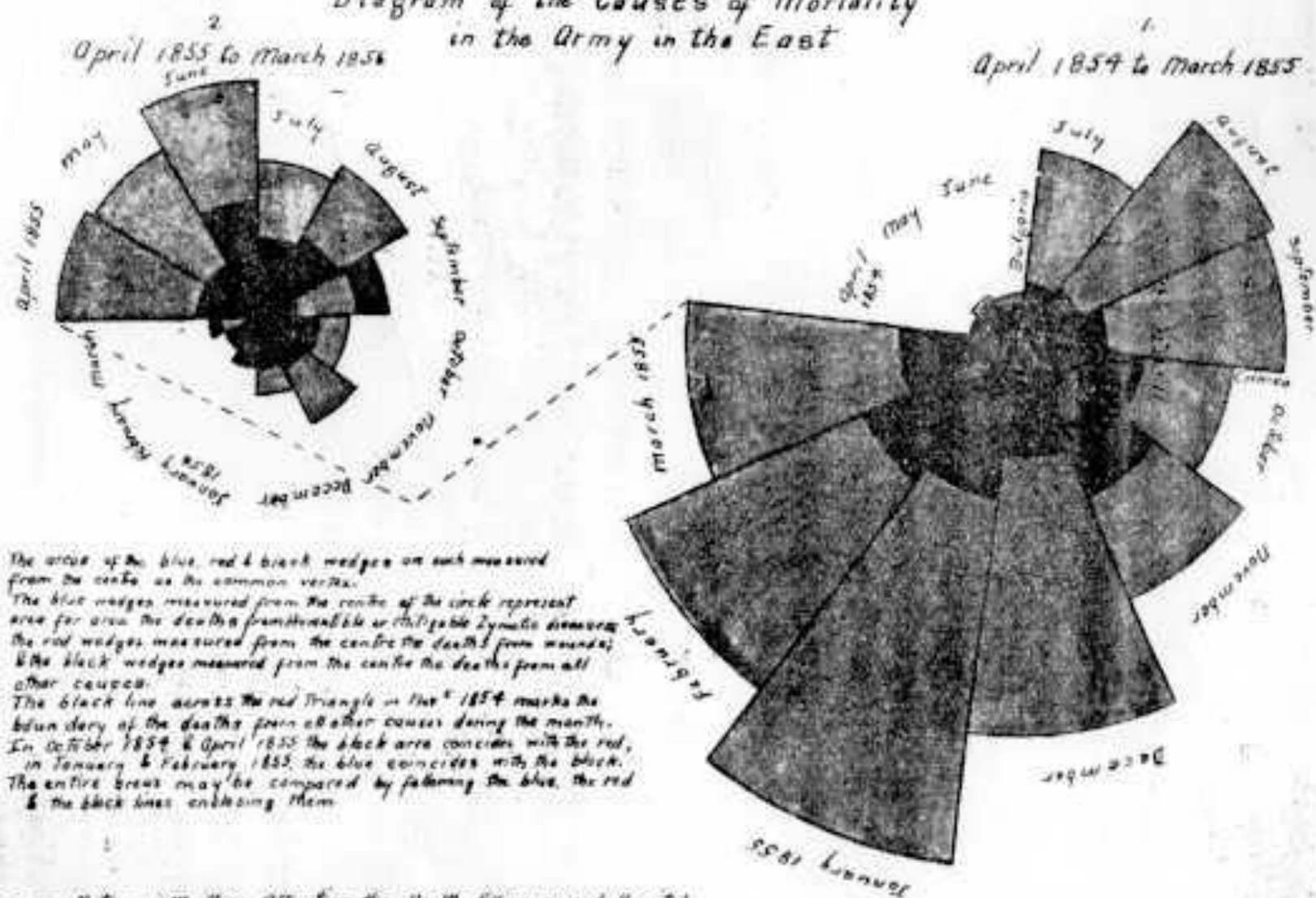


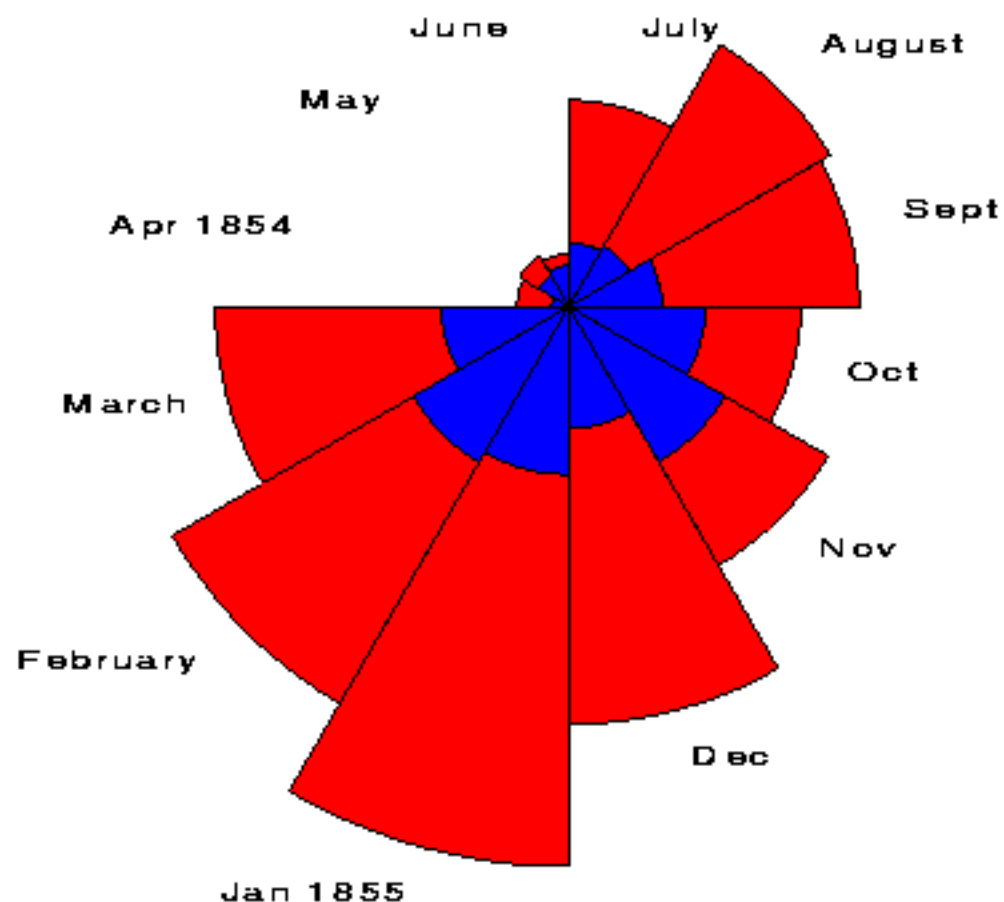
FIG. 8 — The type of graph used by FLORENCE NIGHTINGALE in 1858 to which she gave the name Coxcomb.





## Causes of Mortality in the Army in the East April, 1854 to March 1855

■ Non-Battle  
■ Battle



From: F. Nightingale, "Notes on Matters Affecting the Health, Efficiency and Hospital Administration of the British Army", 1858



Regular people  
don't want data



## Defensive Matchup Tracker

select or drag to interact

See how tough your players' defensive matchups are for the coming weeks. You can view opposing teams' defensive rankings based on:

- The average number of Fantasy points they have allowed per week to date (by position), or
- The average number of yards they have allowed per week to date (passing or rushing), or
- Dave Richard's projections.

To view projected or actual Fantasy points for a player in a given week, mouse over their circle for the particular week. Fantasy point data (projected and actual) are from AccuScore.

Name	TEA.	Pass Defense Rank (week by week)																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Anderson, Derek	ARI	▲	▲	●	✖	✖		●	✖	▲	●	▲	●	▲	●	✖	●	●
Bartel, Richard	ARI	▲	▲	●	✖	✖		●	✖	▲	●	▲	●	▲	●	✖	●	●
Batch, Charlie	PIT	▲	▲	✖	✖		▲	✖	✖	✖	▲	●	▲	✖	✖	●	✖	▲
Beck, John	WAS	●	●	▲	●	✖	▲	✖	▲		●	▲	▲	▲	✖	●	●	▲
Boller, Kyle	OAK	▲	▲	✖	●	✖	●	●	●	▲		✖	✖	✖	●	●	▲	▲
Bouman, Todd	JAC	●	✖	●	▲	▲	▲	▲	●		●	▲	▲	▲	●	▲	●	●
Bradford, Sam	STL	✖	●	●	●	▲	✖	✖	✖		●	▲	●	✖	✖	▲	●	●
Brady, Tom	NE	✖	●	▲	✖		✖	✖	▲	▲	✖	▲	▲	●	✖	✖	▲	✖
Brees, Drew	NO	▲	●	▲	✖	✖	✖	▲	✖	✖		●	●	✖	▲	✖	▲	✖
Brohm, Brian	BUF	✖	✖	▲	●	●		✖	▲	✖	▲	✖	✖	▲	▲	✖	▲	●
Brunell, Mark	NYJ	✖	▲	✖	▲	▲	●		✖	▲	▲	●	✖	▲	✖	✖	✖	▲
Bulger, Marc	BAL	●	✖	▲	✖	●	▲	▲		✖	▲	✖	✖	✖	●	✖	▲	✖
Campbell, Jason	OAK	▲	▲	✖	●	✖	●	●	●	▲		✖	✖	✖	●	●	▲	▲
Carr, David	SF	●	✖	▲	▲	●	●	✖	●		▲	✖	✖	✖	●	✖	▲	✖
Cassel, Matt	KC	✖	▲	●		▲	●	▲	▲	●	●	✖	●	●	✖	▲	▲	●
Clausen, Jimmy	CAR	▲	✖	✖	✖	✖		●	▲	✖	✖	✖	▲	●	▲	✖	✖	▲
Clemens, Kellen	NYJ	✖	▲	✖	▲	▲	●		✖	▲	▲	●	✖	▲	✖	✖	✖	▲
Collins, Kerry	TEN	●	✖	▲	●	●	●	●	✖		✖	●	●	●	▲	●	▲	▲
Collins, Todd	CHI	▲	●	✖	▲	✖	●	●		▲	▲	✖	●	▲	▲	▲	●	✖
Croyle, Brodie	KC	✖	▲	●		▲	●	●	▲	●	●	✖	●	●	✖	▲	▲	●

### Defensive Rank

- ✖ Top 10 Defenses
- ▲ Middle 12 Defenses
- Bottom 10 Defenses

### Select Ranking Source

- ☒ FPTS Against
- ☐ NFL Yds Against
- ☐ Richard

### Select Weeks

- ☒ (All)
- ☒ Completed Games
- ☒ Remaining Games

### TEAM

(All) ⬇

### POS

- ☒ QB
- ☐ RB
- ☐ TE
- ☐ WR

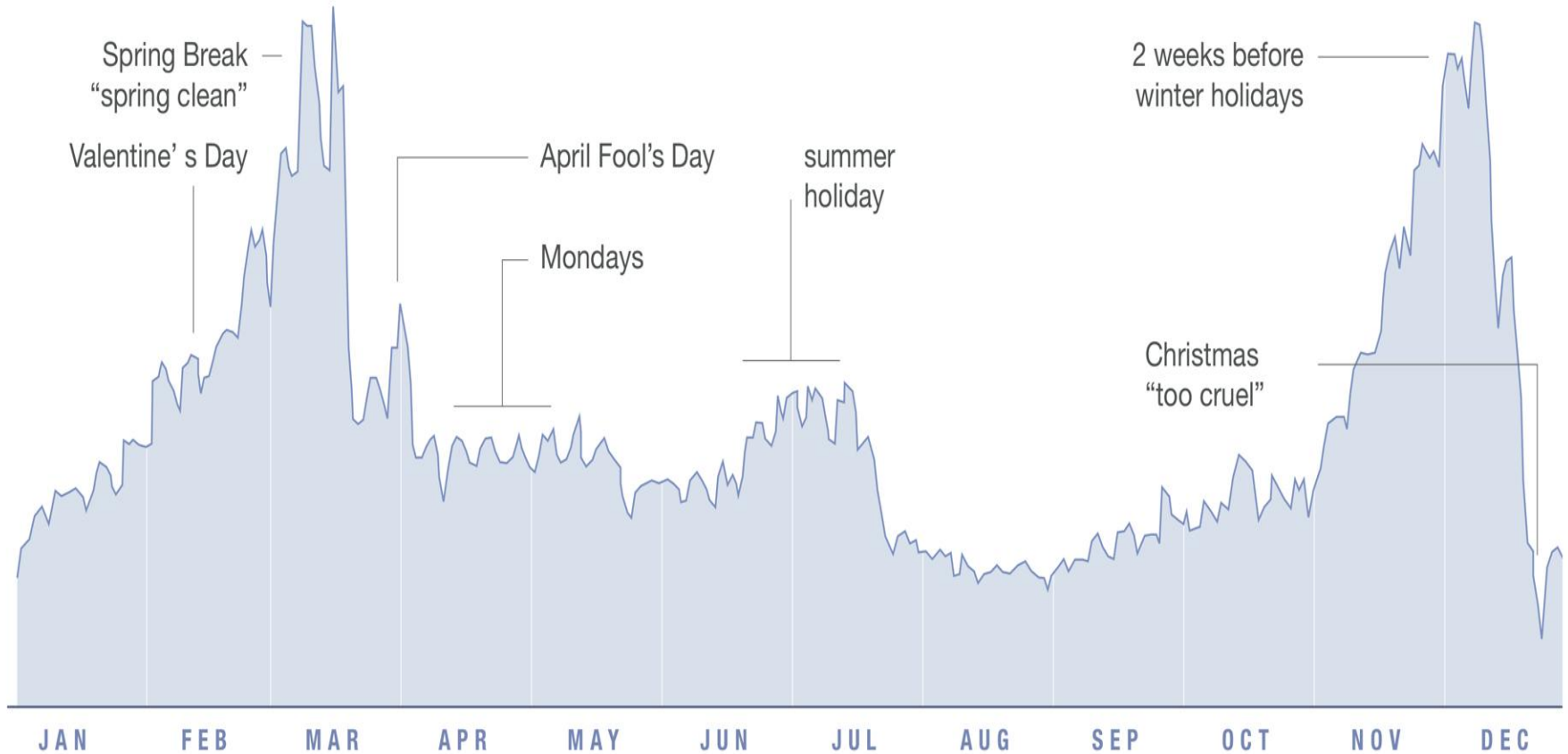
### Select Player

- ☒ (All)
- ☒ Anderson, Derek
- ☒ Bartel, Richard
- ☐ Batch, Charlie

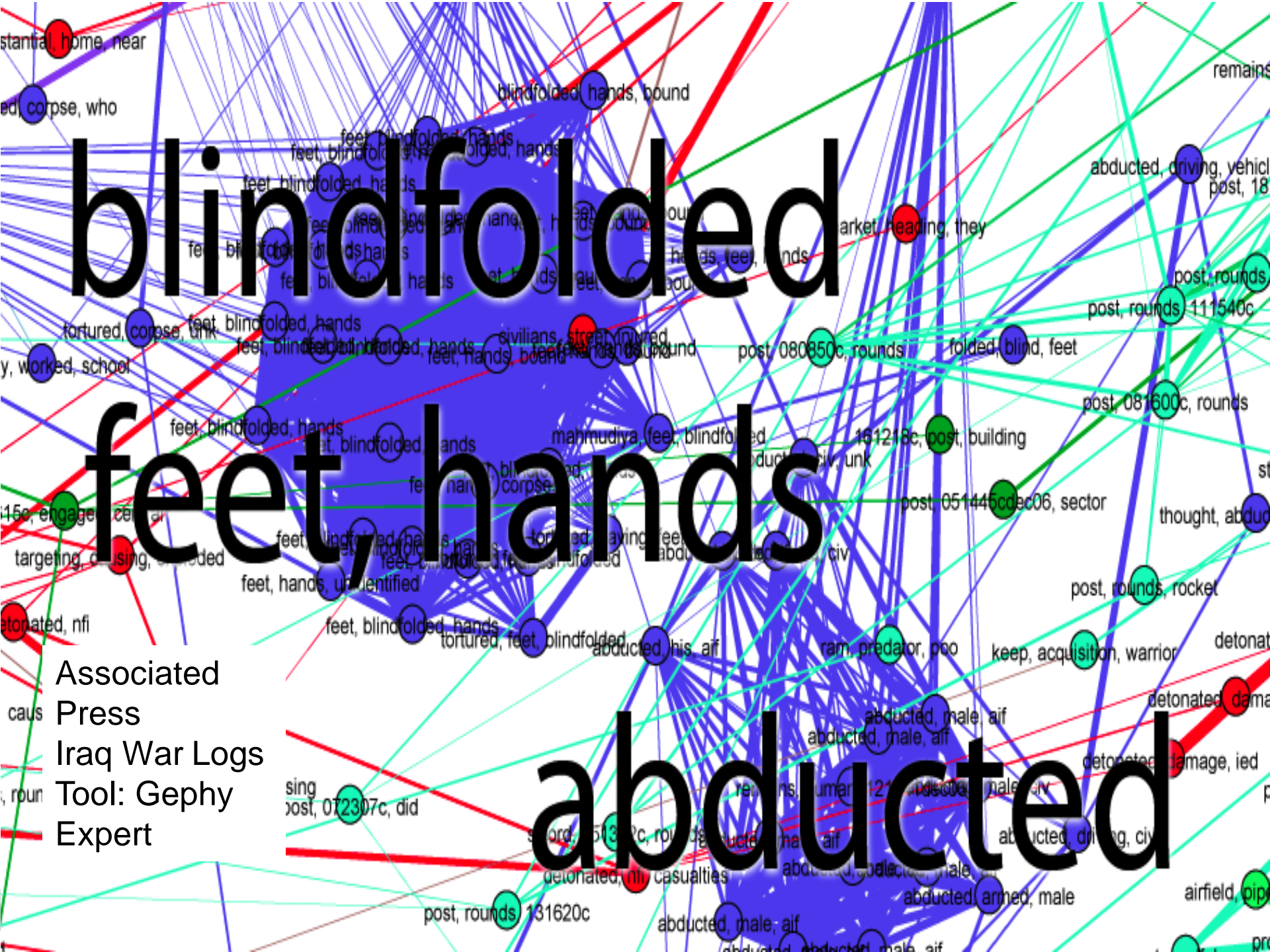
# Data is boring

# Peak Break-Up Times

According to Facebook status updates







blindfolded


feet, hands

abducted

Associated  
Press  
Iraq War Logs  
Tool: Gephy  
Expert

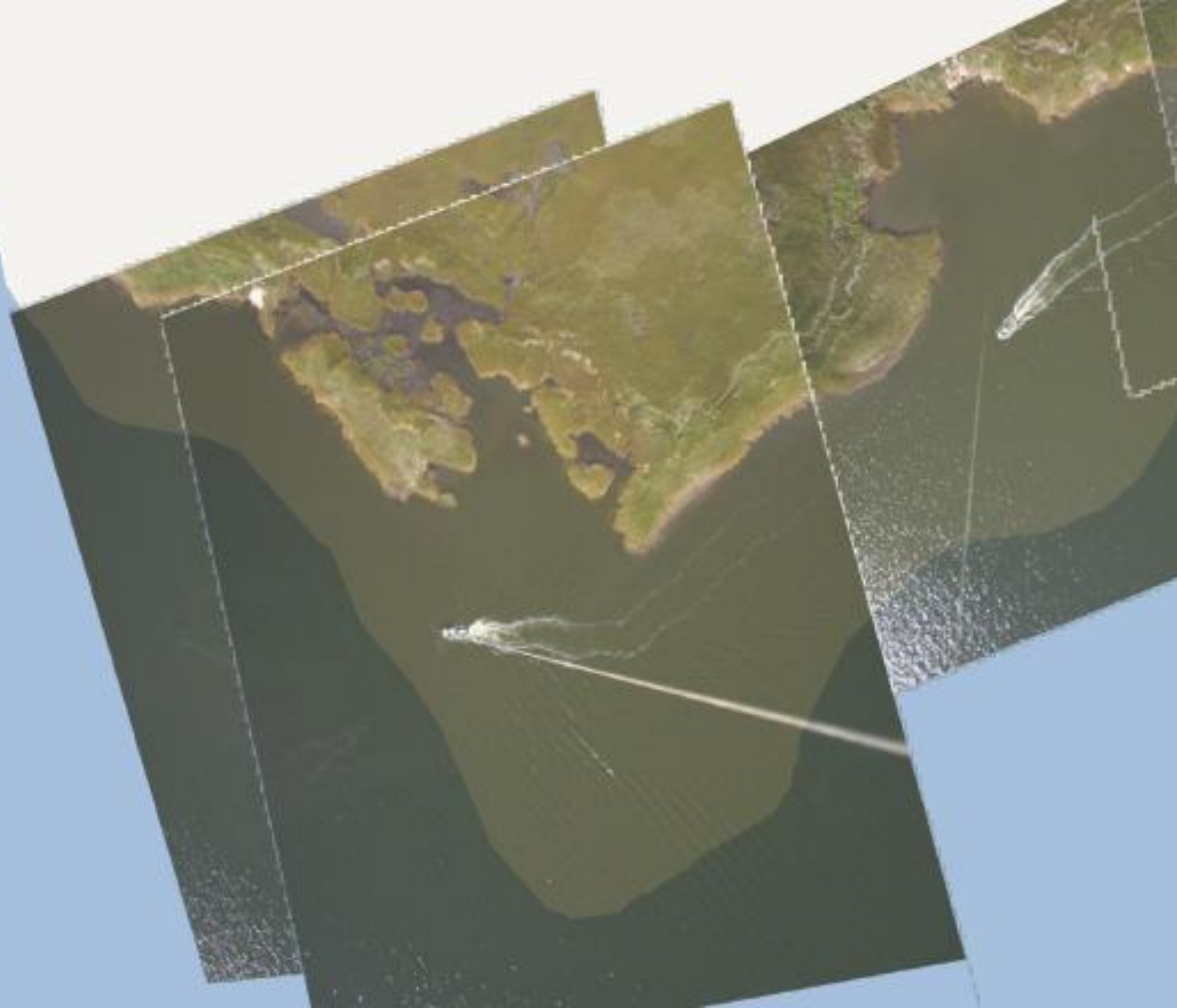
Data visualization is  
too hard for regular  
folks to learn



A photograph of two young men on a boat. The man in the foreground is wearing a black t-shirt and a red life vest, looking out at the water. The man in the background is wearing a black t-shirt, glasses, and an orange life vest, looking towards the camera. A rainbow flag is visible on the boat. The background shows a body of water and a clear sky.

Grassroots  
Mapping  
Tool:  
Cartagen  
Knitting







\$30 per cylinder,  
2-3 flights

**2 Trash bags**

95 gallons, \$2 each

**Kite**

Button Platform 16, \$100  
or build your own for <\$1

**Tape**

Duct and clear  
packing tape, \$3

**Sticks**

1/4" x 1/2" x 10' (10' x 10' x 10')

Make your own 'satellite' for as little as \$100: [GroundwaterMapping.org](http://GroundwaterMapping.org)

**Clips**

Carabiners or  
key rings, <\$3

**String**

Cotton, \$1

**Scissors**

Or a knife

**Canon camera**

\$45 on eBay

**Reel**

For electric cables, \$15  
Or use a stick

**Kite String**

1/4" x 1/2" x 10' (10' x 10' x 10')

☒ 1 word ☐ 2 word

Search:

Showing 200 out of 3037





# Limits of data visualization

You need to work with the data you have,  
not the data you wish you had

# Thanks!



Tumblr:  
<http://lifeandcode.tumblr.com>

Twitter:  
[@lisawilliams](https://twitter.com/lisawilliams)



Lisa Williams  
[Placeblogger.com](http://Placeblogger.com)

# Q & A

▼ Questions

Type question here.

**Type questions here**

Send



Lisa Williams  
Placeblogger.com  
@lisawilliams

# Future webinars and resources: [www.knightdigitalmediacenter.org](http://www.knightdigitalmediacenter.org)



USC Annenberg



Knight  
**DIGITAL MEDIA**  
Center

Members login

[Not a member? Sign up](#)

[Sign in](#)

[Home](#) [About](#) [Blogs](#) [Training](#) [Resources](#)

## LATEST POSTS

Community News Leadership 3.0

### Secrets of buying and selling blogs to make a living

10/19/2012 | by: [Julia Scott](#)

Some bloggers are making a living as much from blogging as from buying and selling blogs. I talked to three veteran bloggers who have successfully bought or sold more than a dozen blogs. If you've ever dreamed of cashing out - or building a portfolio of money-making sites - here are their secrets.

Tips for buyers

1. Treat it...

[Read More](#)

News for Digital Innovators

### News on iPads: New eyetracking research from Poynter

10/19/2012 | by: [Amy Gahrn](#)

The Poynter Institute's latest eyetracking study focused on how people interact with news via tablets. Here's some of what they found -- as well as what this research did not cover.

Poynter is formally presenting its full findings today at a conference at Northwestern University's Medill School of Journalism. (

[Read More](#)

OJR: The Online Journalism Review

### If Newsweek wants to survive, it should learn from its peers

10/19/2012

By Andrew Lih: Unsurprisingly, but sad nonetheless, Newsweek announced the last weekly print edition of the magazine will be December 31. Starting in 2013, it will join the ranks of U.S. News and World Report as an all-digital publication, leaving TIME Magazine as the only popular U.S. weekly still on the newsstand.

Printed Newsweek was...

[Read More](#)

Get more resources and registration for future webinars under Training at [www.knightdigitalmediacenter.org](http://www.knightdigitalmediacenter.org)



