

Journalism Bots



Ariana Giorgi, @ArianaNGiorgi
Data Reporter/Developer at The Chronicle of Higher Education

<http://bit.ly/journalism-botsummit>

Alerts

Alerts

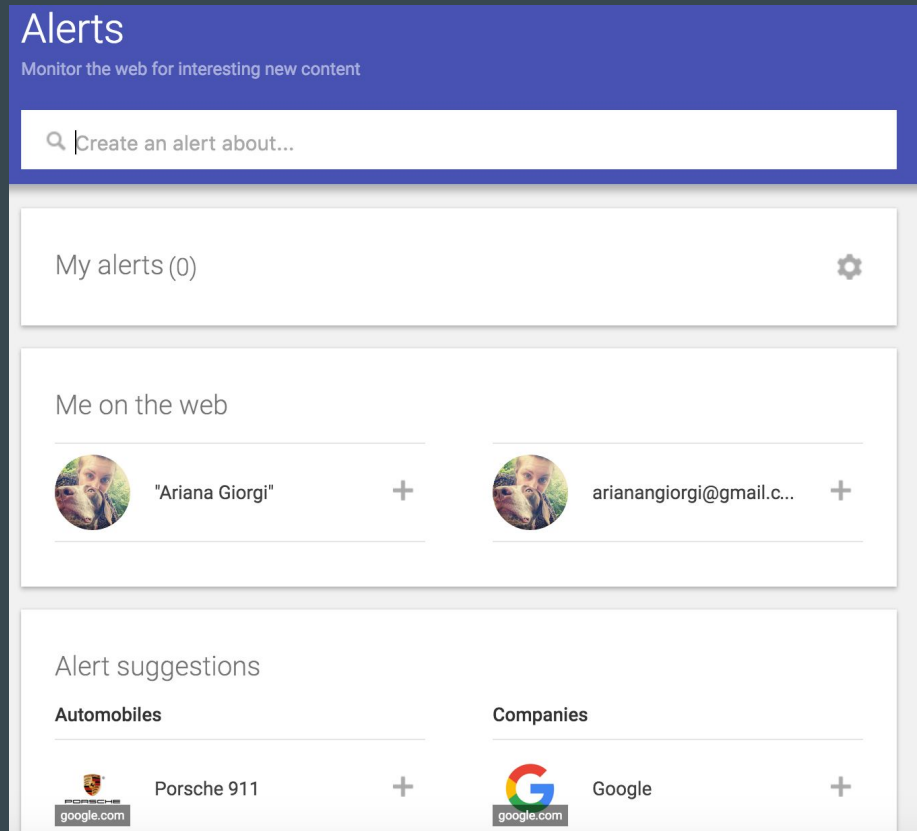
How can we get information *fast*?

(aka breaking news!)

Simple: Google Alerts

Straightforward... set alerts for when certain names appear on Google.

Great for reporters with specific beats, i.e. crime



More Complex: Snoop

Receive email alerts for
SEC filings, patents,
Fed cases for a specific
topic, company, or
officer



SEC Filings 331

Form Types

Insiders: 3/4/5	279
Events: 6/8-K	22
Reports: 10-K/Q	10
Proxies: -14A	4
Registrations: F/S-	15
Owners: 13D/G	1

Patents 2000+

Kinds

Utility Appl.	849+
Utility Grant	1100+
Design	50+
Reissue	1+

Fed. Cases 306

Court Types

District	268
Bankruptcy	7
Appeals	31

To receive email alerts...

Save this search

Filter results

google

Locations

new

Washington DC

SEC Filings 331

Form Types

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Events: 6/8-K	22
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Registrations: F/S-	15
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Companies

GOOGLE INC.	297
Alphabet Inc.	15
Foundation Medicine, Inc.	6
DEXCOM INC	1
IAC/INTERACTIVECORP	1
ReachLocal Inc	1
YAHOO INC	1
DEMAND MEDIA INC.	1
WORKIVA INC	1
Appsoft Technologies, Inc.	1
BLUCORA, INC.	1
JUNIPER NETWORKS INC1	1

Patents 2000+

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Fed. Cases 306

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SimpleAir, Inc. v. Google Inc.

Eastern Texas District Court

April 8, 2016 6:34pm EDT

RECOMMENDING TRANSFORMATIONS FOR PHOTOGRAPHY

April 7, 2016 Utility Patent Application (A1) Assignees:GOOGLE INC. Applicants:GOOGLE INC
Inventors: Richard Zarek COHEN, Robert William HAMILTON

A method, computer program product, and system is described. An aspect of an image is identified. One or more other images are identified based upon, at least in part, the one or more other images including one or more other aspects...

OCCUPANCY PATTERN DETECTION, ESTIMATION AND PREDICTION

April 7, 2016 Utility Patent Application (A1) Assignees:Google Inc. Inventors:Anthony Michael Fadell, Matthew Lee Rogers, Kipp Avery Rogers, ...

A system for detecting occupancy of an enclosure may include a sensing system adapted to monitor utility information for the enclosure which tends to indicate a likelihood of occupancy of the enclosure. The utility information may...

WIRELESS NETWORK MONITORING DEVICE

April 7, 2016 Utility Patent Application (A1) Assignees:GOOGLE INC. Inventors:Christopher Lee HAIN

A wireless network monitoring and reporting unit is described herein. The unit runs tests in a given order to detect whether certain networking low-level requirements are met (e.g., whether a DHCP lease has been obtained and whether DNS...

METHODS AND SYSTEMS FOR MEMORY DE-DUPLICATION

April 7, 2016 Utility Patent Application (A1) Assignees:GOOGLE INC. Inventors:Shinye SHIU

Provided are methods and systems for de-duplicating cache lines in physical memory by detecting cache line data patterns and building a link-list between multiple physical addresses and their common data value. In this manner, the...

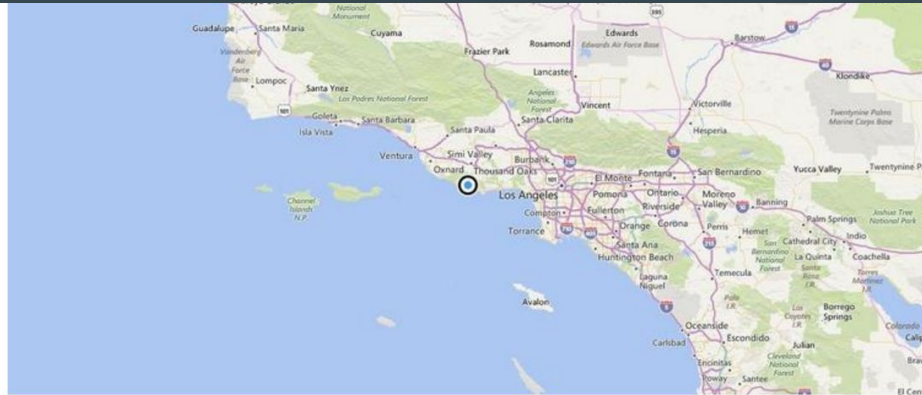
METHOD AND APPARATUS FOR MONITORING SYSTEM PERFORMANCE AND DYNAMICALLY UPDATING MEMORY SUB-SYSTEM SETTINGS USING SOFTWARE TO OPTIMIZE PERFORMANCE AND POWER CONSUMPTION

April 7, 2016 Utility Patent Application (A1) Assignees:GOOGLE INC. Inventors:Shinye SHIU

A method and apparatus are disclosed to monitor system performance and dynamically update memory subsystem settings using software to optimize system performance and power consumption. In an example embodiment, the apparatus monitors a...

Beyond Email... QuakeBot

Created by Ken Schwencke
at LA Times using USGS
Earthquake Notification
Service



A map shows the approximate location of the epicenter of Friday morning's quake near Malibu. (Bing Maps)

By **Quakebot**

APRIL 8, 2016, 7:27 AM

A shallow magnitude 2.6 earthquake was reported Friday morning six miles from Malibu, according to the U.S. Geological Survey. The temblor occurred at 7:11 a.m. PDT at a depth of 9.3 miles.

According to the USGS, the epicenter was eight miles from Thousand Oaks, nine miles from Agoura Hills, and 11 miles from Agoura.

In the last 10 days, there have been three earthquakes of magnitude 3.0 or greater centered nearby.

NEWSLETTER: Get essential California headlines delivered daily >>

This information comes from the USGS Earthquake Notification Service and this post was created by an algorithm.

Read more about [Southern California earthquakes](#).

Story Generation

* Not * This...



This! ... Narrative Science

Opportunity Gap: news app by ProPublica

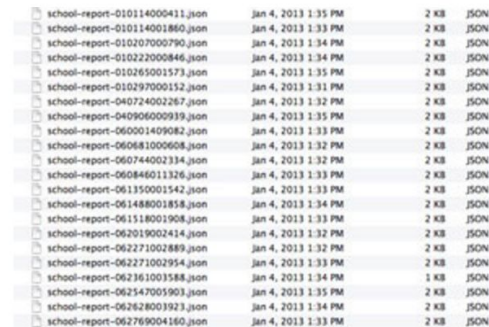
Narrative Science produced descriptions on individual schools

How To Edit 52,000 Stories at Once

by [Scott Klein](#)
ProPublica, Jan. 24, 2013, 3:19 p.m.

Today we're launching an update to our [Opportunity Gap](#) news application, with [two new data points](#), better design on smartphones and integration with the [Foursquare social network](#).

Also launching with this new release are short narrative descriptions of almost all of the more than 52,000 schools in our database, generated algorithmically by [Narrative Science](#), a startup based in Chicago. Narrative Science launched in 2010 out of a research project at Northwestern University. Their platform uses artificial intelligence to turn structured data into human-readable narratives. For example, Forbes uses their technology to turn quarterly corporate [earnings reports](#) into short narratives.



school-report-010114000411.json	Jan 4, 2013 1:35 PM	2 KB	JSON
school-report-010114001860.json	Jan 4, 2013 1:33 PM	2 KB	JSON
school-report-010207000790.json	Jan 4, 2013 1:34 PM	2 KB	JSON
school-report-010222000846.json	Jan 4, 2013 1:34 PM	2 KB	JSON
school-report-010265001573.json	Jan 4, 2013 1:35 PM	2 KB	JSON
school-report-010297000152.json	Jan 4, 2013 1:31 PM	2 KB	JSON
school-report-040724002267.json	Jan 4, 2013 1:32 PM	2 KB	JSON
school-report-040906000939.json	Jan 4, 2013 1:35 PM	2 KB	JSON
school-report-060001409082.json	Jan 4, 2013 1:33 PM	2 KB	JSON
school-report-060681000608.json	Jan 4, 2013 1:32 PM	2 KB	JSON
school-report-060744002334.json	Jan 4, 2013 1:32 PM	2 KB	JSON
school-report-060846011326.json	Jan 4, 2013 1:33 PM	2 KB	JSON
school-report-061350001542.json	Jan 4, 2013 1:33 PM	2 KB	JSON
school-report-061488001858.json	Jan 4, 2013 1:34 PM	2 KB	JSON
school-report-061518001908.json	Jan 4, 2013 1:33 PM	2 KB	JSON
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school-report-062271002954.json	Jan 4, 2013 1:33 PM	2 KB	JSON
school-report-062361003588.json	Jan 4, 2013 1:34 PM	1 KB	JSON
school-report-062547005903.json	Jan 4, 2013 1:35 PM	2 KB	JSON
school-report-062628003923.json	Jan 4, 2013 1:34 PM	2 KB	JSON
school-report-062769004160.json	Jan 4, 2013 1:33 PM	2 KB	JSON

Narrative Science delivered more than 52,000 narratives to us as json files over FTP, which we imported into our news application.

Stuyvesant High School

345 CHAMBERS STREET, NEW YORK, N.Y., 10282 | Grades 9-12

Districts with 3,000 or more students

Compare

You can compare this school to other schools in N.Y. that are in districts with 3,000 students or more. Select one of comparisons below, or search for any school to get started.


to nearby schools

to low and high poverty schools

or to another New York school

3 SHARES
Share

Connect to Facebook to share your comparisons and comments with us and your friends.

 Sign in with Facebook

Use this hashtag to share your insights on Twitter: **#myschoolyourschool**

What's the story behind this data?

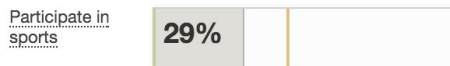
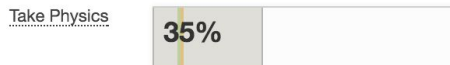
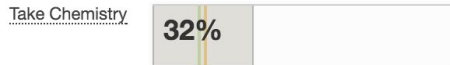
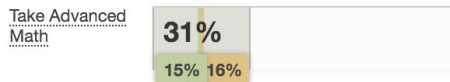
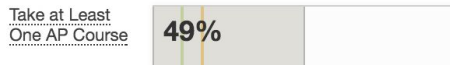
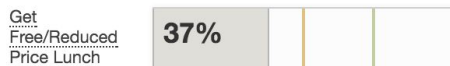
Please share any tips or local knowledge with our reporters.

Corrections

If you find an error in our data

	Students	Total Teachers	Inexp. Teachers	AP Courses
This School	3,270	198	9%	32
District	959K	83,265	21%	2
State	2.07M	171,244	14%	7

Percentage of relevant students who...



State Average District Average

Stuyvesant High School, in New York, New York, is part of the New York City Public Schools district. The school reports enrolling 3,270 students in grades nine through 12, and it has 198 teachers on staff.

Stuyvesant High School is below both the state and district averages for the percentage of its students who qualify for free or reduced-price lunch. On average, 49 percent of students in New York qualify for free or reduced-price lunches, whereas 37 percent of students at Stuyvesant High School are eligible. At the district level, 72 percent are eligible.

ProPublica's analysis found that all too often, states and schools provide poor students fewer educational programs like Advanced Placement, gifted and talented programs, and advanced math and science classes. Studies have linked participation in these programs with better outcomes later in life. Our analysis uses free and reduced-price lunch to estimate poverty at schools. We based our findings on the most comprehensive data set of access to advanced classes and special programs in U.S. public schools — known as the Civil Rights Data Set— released by the U.S. Department of Education Office for Civil Rights.

Narrative Science, cont.

Forbes used Narrative Science to transform corporate quarterly earnings reports into articles

JUL 22, 2015 @ 12:00 PM

655 VIEWS

Xerox Profit Expected to Slip



Narrative Science,

[FOLLOW ON FORBES \(15\)](#)



Opinions expressed by Forbes Contributors are their own.

FULL BIO ▾

Despite an expected dip in profit, analysts are generally optimistic about **Xerox** XRX +0.83% as it prepares to report its second-quarter earnings on Friday, July 24, 2015. The consensus earnings per share estimate is 22 cents per share.

Despite not changing over the past month, the consensus estimate is down from three months ago when it was 25 cents. Analysts are projecting earnings of 98 cents per share for the fiscal year. A year after being \$5.29 billion, analysts expect revenue to fall 12% year-over-year to \$4.64 billion for the quarter. For the year, revenue is projected to come in at \$18.56 billion.

The company's reported revenue has declined in each of the last three quarters. The year-over-year drop in revenue was 16% in the first quarter. Prior to that, revenue fell 27% in the fourth quarter and 3% in the third quarter year-over-year.

Automated Insights

AP reports thousands
of earnings reports
each quarter with
Automated Insights

Sterling Construction reports 4Q loss

Sterling Construction reports fourth-quarter loss, misses expectations

AP March 14, 2016 6:50 AM



THE WOODLANDS, Texas (AP) _ Sterling Construction Co. (STRL) on Monday reported a loss of \$1.1 million in its fourth quarter.

The The Woodlands, Texas-based company said it had a loss of \$1.01 per share. Losses, adjusted for non-recurring costs, were 6 cents per share.

The results missed Wall Street expectations. The average estimate of three analysts surveyed by Zacks Investment Research was for a loss of 3 cents per share.

Related Stories

1. [Conn's misses 4Q profit forecast](#)
Associated Press
2. [BlackBerry reports 4Q loss](#)
3. [Francesca's Holdings beats forecasts](#)
Associated Press
4. [Evine Live meets 4Q profit forecast](#)
Associated Press
5. [Alamos Gold reports 4Q loss](#)
Press
6. [70% off Greece Holidays](#)

Chat Bots

Twitter Bots



Ariana Giorgi @ArianaNGiorgi · 1m
@BBCWeatherBot London





BBC Weather Bot @BBCWeatherBot · 1m
@ArianaNGiorgi Sorry, we need a place and a time. Try including a day. For a 9-day forecast for that location visit: bbc.co.uk/weather/264374...

[View summary](#)



Ariana Giorgi @ArianaNGiorgi · 18s
@BBCWeatherBot London tomorrow



**BBC Weather Bot**
@BBCWeatherBot

[Following](#)

@ArianaNGiorgi We're likely to see temperatures up to 13°C, white cloud and a little wind.
[bbc.co.uk/weather/264374 ...](https://bbc.co.uk/weather/264374...)



BBC Weather - London
Hourly weather for London with a 5 to 10 day forecast, giving a look further ahead.
bbc.co.uk

Slack

The screenshot displays the Slack web interface. On the left is a dark purple sidebar for the 'Acme Sites' workspace. It lists channels: #api, #bugs, #cats, #features, #general (selected), #marketing, #mobile, and #ui. Below these are 'CHANNELS' (including #billing, #engineering, #ops, #sales, #support, #web) and 'DIRECT MESSAGES' (including slackbot, Carl Benting, JR Rodriguez, Suzie McGeuze, and 12 more). At the bottom of the sidebar is a button to create a new channel and a status bar for 'kump' who is online.

The main area shows the '#general' channel with 45 members. The conversation history includes:

- Carl Benting (2:45 PM): no it's becky
- Suzie McGeuze (2:50 PM): hey everyone, our all-hands will be starting in 10 minutes. amy has some exciting updates about our engineering team hiring and JR will be covering last quarter's sales report
- Amy Grint (2:52 PM): great
- Suzie McGeuze (3:10 PM): thank's everyone, that was a great meeting
- Carl Benting (3:13 PM): record speed too
- Amy Grint (3:15 PM): If anyone has any questions about the new additions to engineering, give me a shout!
- Carl Benting (3:23 PM): Question 1: Can they juggle work? I mean literally. Like paper and staplers.
- Amy Grint (3:23 PM): I will have to get back to you on that.
- github (3:28 PM): [InternalDocs:master] 1 new commit by Suzie McGeuze: 15344aa: Instructions on provisioning a new push server - Suzie McGeuze
- JR Rodriguez (4:10 PM): Likewise with the sales report. The presentation was pretty high-level, but details are available if you'd like them.
- Bruce Stuttenfeld (4:26 PM): Let's do this again sometime!
- Carl Benting (4:26 PM):

At the bottom of the channel view is a text input field with a send button.

On the right is a 'All File Types' sidebar. It shows a search bar and a filter set to 'EVERYONE'. A list of files is displayed:

- bork.png (126KB PNG file, 1 comment, shared in #random)
- User_Interview.mov (21MB MOV Video file, 1 comment, shared in #engineering)
- givemeaquarter.png (36KB PNG file, 1 comment, shared in #cats)
- Engineering Seating Chart (Google Drive Spreadsheet, 2 comments, shared in #general)
- User Experience Flow (Google Drive Presentation, 1 comment, shared in #ui)

Slack bots

Dolores Landingham Bot

build passing



This is a Slack bot that helps onboard new hires at 18F through scheduled Slack messages about topics relevant to 18F and GSA employees. Messages will be scheduled once per day and will trickle out to employees over the course of 60 days.

Mrs. Landingham will teach 18F employees about working in the federal government, how to set up travel, how to add their biographical information and pictures to our website, and other facts that will help them get acclimated to both 18F and the federal government.

<https://github.com/18F/dolores-landingham-bot>

Botkit by Howdy

Botkit

Building Blocks for Building Slack Bots

[VIEW DOCS](#)

[VIEW ON GITHUB](#)

Carebot

Headed by Livia Labate
and Matt Hampel with
NPR and Knight
Foundation

<http://livialabate.com/says/introducing-carebot/>

Some stories contain multiple graphics or graphics may be used across different stories. These unique scenarios are helping us explore different presentation needs and how to best answer questions raised by journalists when the right metric is available at the right time.



Carebot BOT 11:05 PM

12 hours in and here's what I know about the graphics on *Sick Of Political Parties, Unaffiliated Voters Are Changing Politics*:

[Sick Of Political Parties, Unaffiliated Voters Are Changing Politics](#)

unaffiliated-20160224
37 seconds

unaffiliated-hispanics-20160225
34 seconds

unaffiliated-millennials-20160225
38 seconds

early example for a story with multiple graphics

Carebot is currently a broadcasting tool more than it is a bot that responds to specific user requests, but we are beginning to add a few capabilities based on user feedback and what we are learning as they receive information from Carebot.



Matthew Hampel 6:46 PM

@carebot: what's up with the slug righttorise-20160223?



Carebot BOT 6:46 PM

@matth: 109,714 people spent an average of 40 seconds on righttorise-20160223.

test query for specific graphic information

FIN

Thanks @OpenNews!