### ZUR 393k: Effects of Mass Media

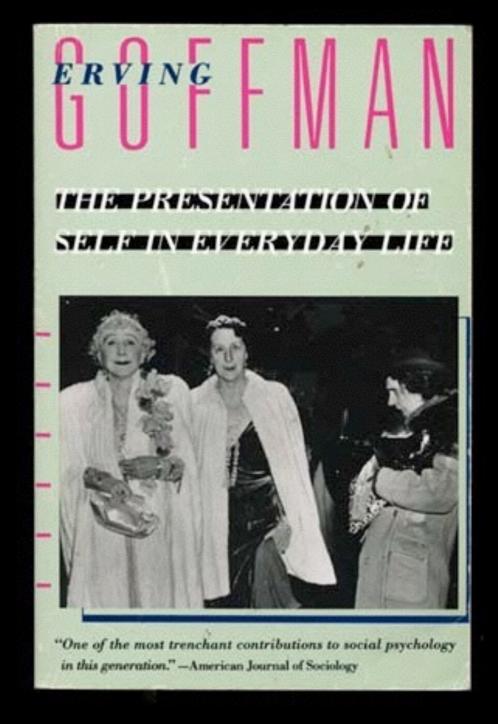
boyd, "Identity" from It's Complicated Rudder, "Death by a Thousand Mehs" and "The Beauty Myth in Apotheosis" Vaidhyanathan, "The Googlization of Us"

#### Outline:

- I. Performing Identity / Forms of Capital / Free Labor
- 2. Facebook & Other Social Media
- 3. Google & Big Data

# Erving Goffman performing identity

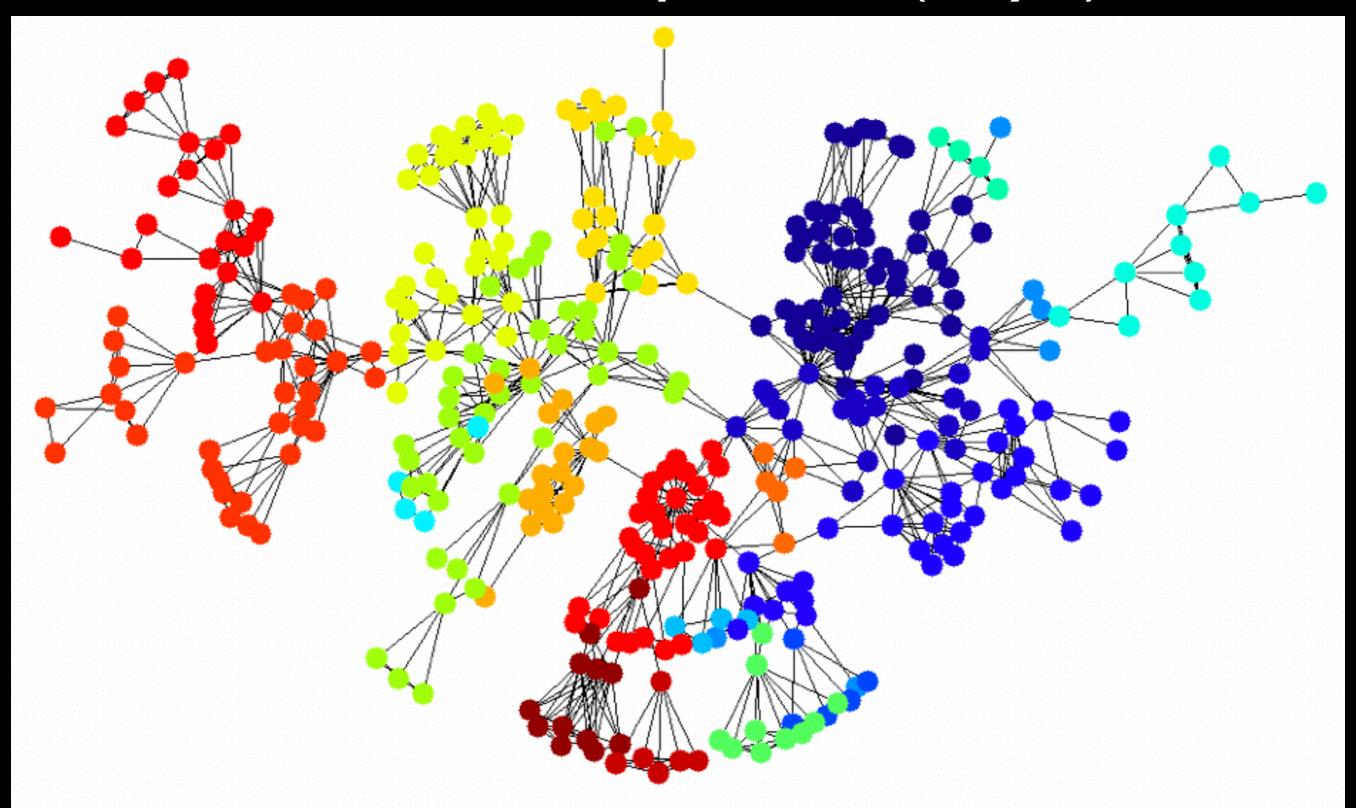
- theater analogy
- "dramaturgy"
  - stage
  - props
  - costumes



# forms of capital Pierre Bourdieu

- economic capital (\$)
- social capital (friends and acquaintances)
- cultural capital (level of education, "taste")
- symbolic capital (distinction, prestige)

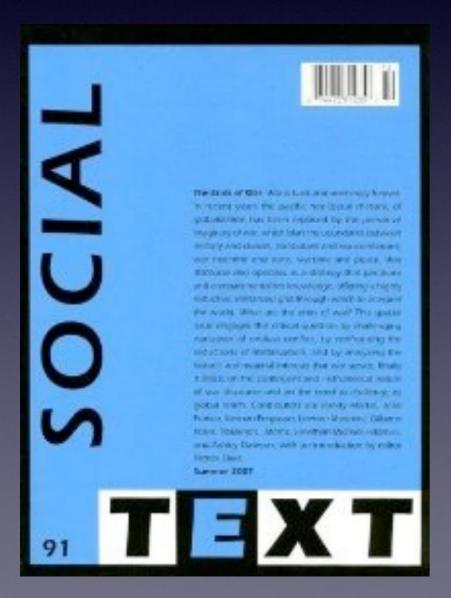
## "networked community" (Castells) "networked public" (boyd)



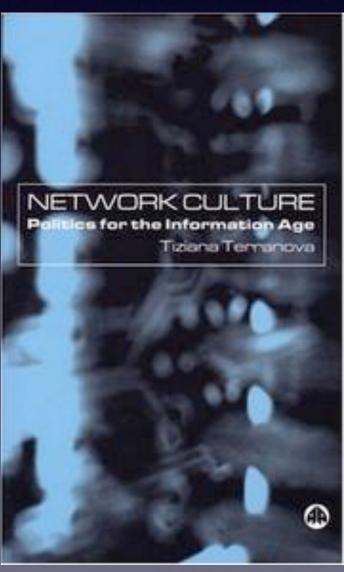
## "networked community" (Castells) "networked public" (boyd)

- I. the space constructed through networked technologies
- 2. the imagined community that emerges as a result of the intersection of people, technology, and practice" (boyd, 8)

# Tiziana Terranova, "Free Labor: Producing Culture for the Digital Economy" Social Text 63 (Summer 2000): 33-58





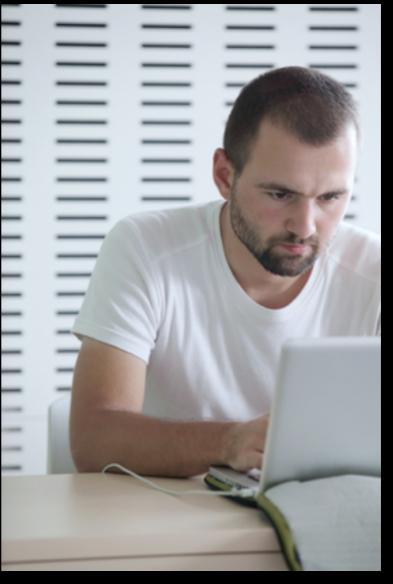




### free labor

- voluntarily given and unwaged
- enjoyed and exploited





### free labor

 involves range of activities from building Web sites, modifying software packages, reading and participating in mailing lists, and building virtual spaces on MUDs and MOOs (2000)

### "social factory"

• a phenomenon in which "work processes have shifted from the factory to society, thereby setting in motion a truly complex machine" (33).



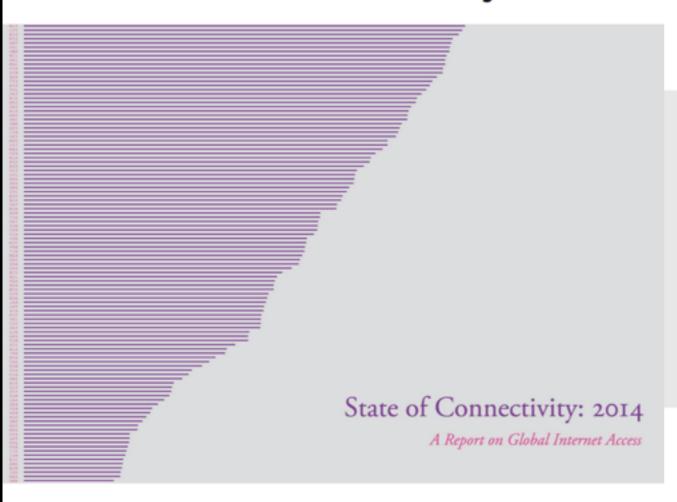




### post-2000

February 24, 2015

#### The State of Global Connectivity



State of Connectivity: A Report on Global Internet Access, a new study by Internet.org examines the current state of global internet connectivity and takes a close look at who's connected, who's not and why.

The paper uses existing data from the world's leading sources on connectivity and incorporates our own new findings to examine internet penetration and barriers to further growth.

By early 2015, 3 billion people will be online. This is an incredible milestone, but it also means that only 40% of the world's population has ever connected to the internet.

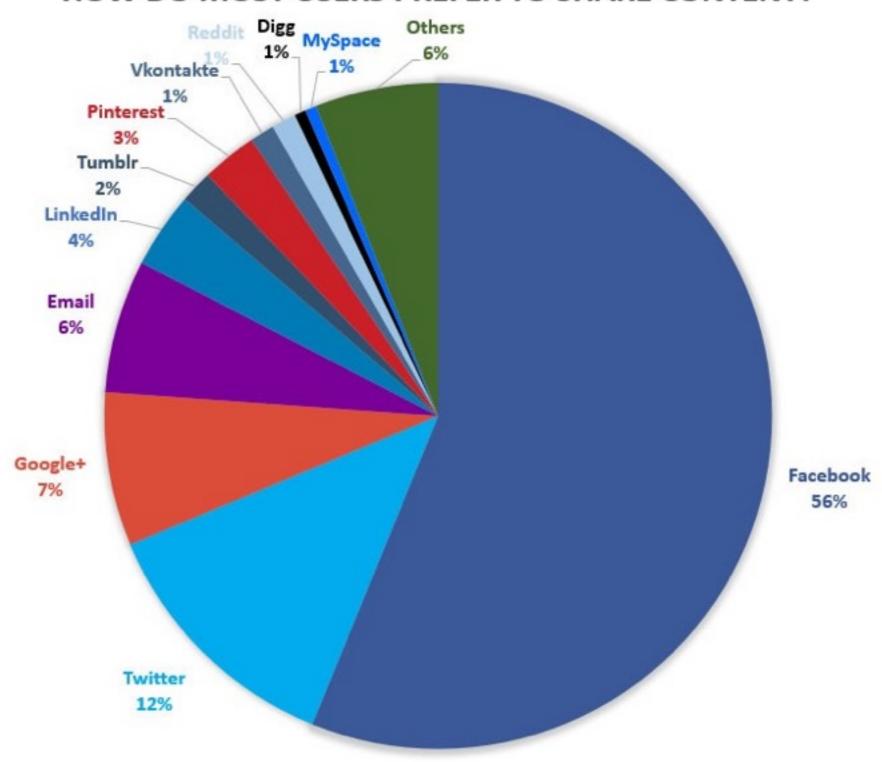


The unconnected are disproportionately located in developing countries — 78% of the population in the developed world is online compared to just 32% in emerging economies.

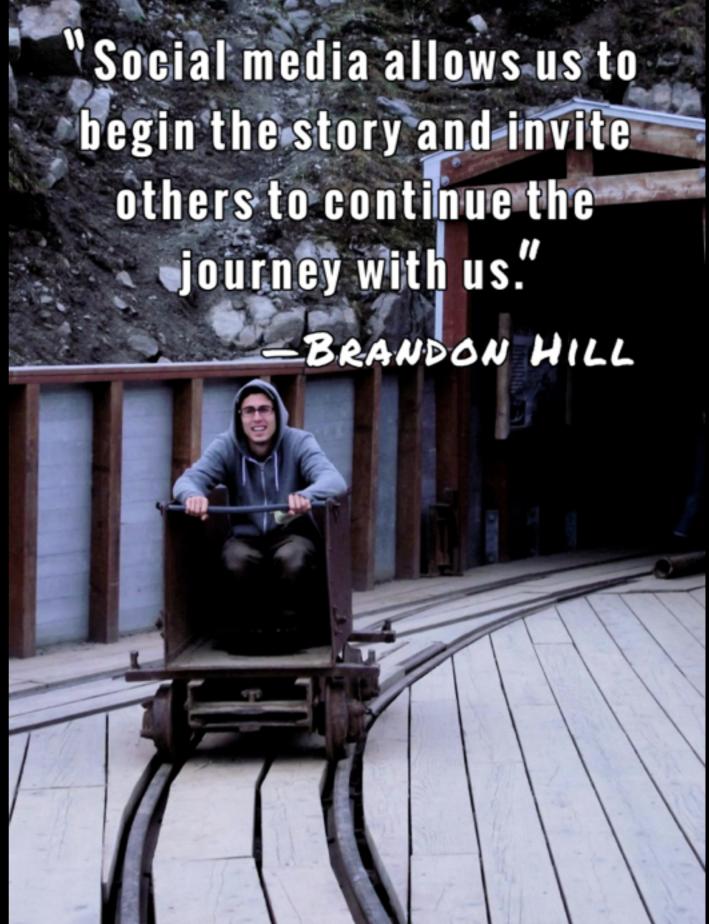
Moreover, adoption of the internet is slowing — The rate of growth declined for the fourth year in a row to just 6.6% in 2014 (down from 14.7% in 2010). At present rates of decelerating growth, it won't reach 4 billion people until 2019.

http://newsroom.fb.com/news/2015/02/the-state-of-global-connectivity/

#### **HOW DO MOST USERS PREFER TO SHARE CONTENT?**







### affordances

 properties or characteristics of an environment that make possible — or encourage — certain types of practices

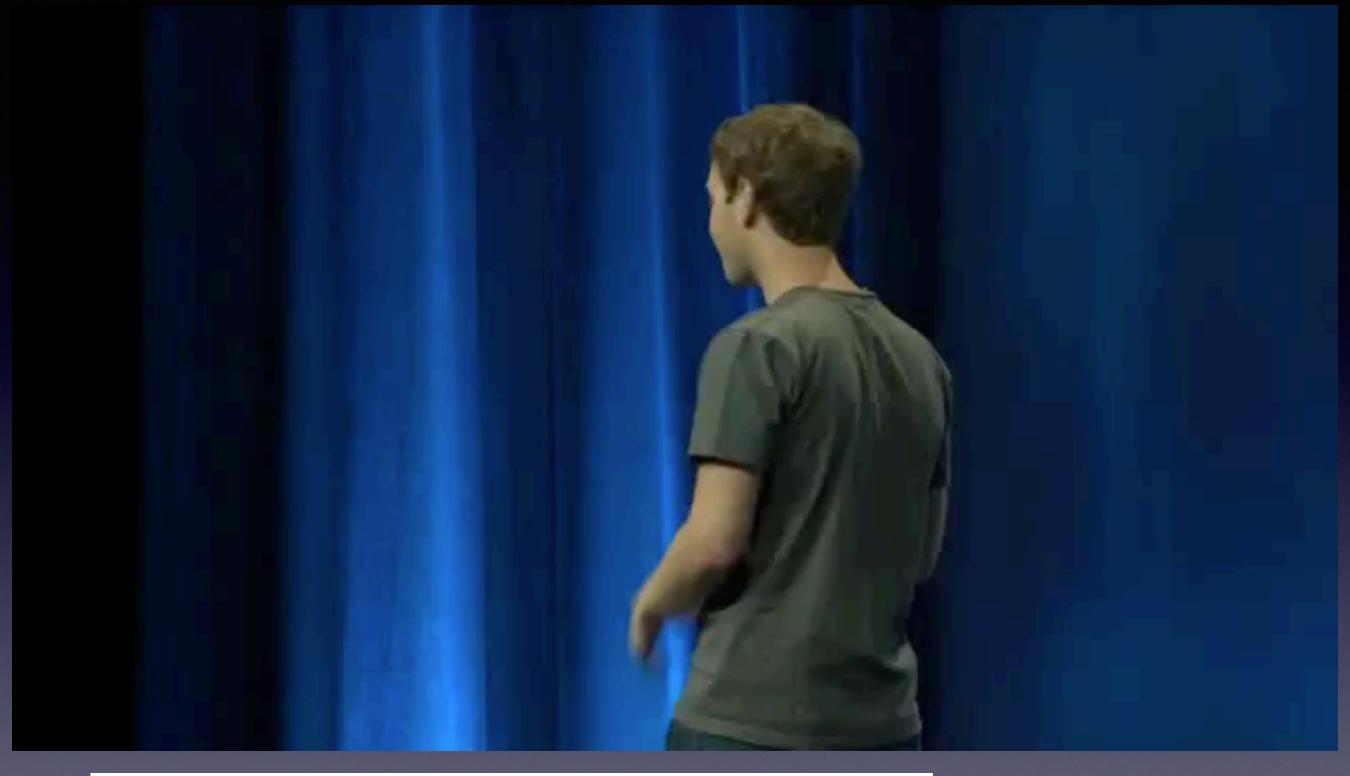






# 4 affordances of networked publics

- persistence
- visibility
- spreadability
- searchability

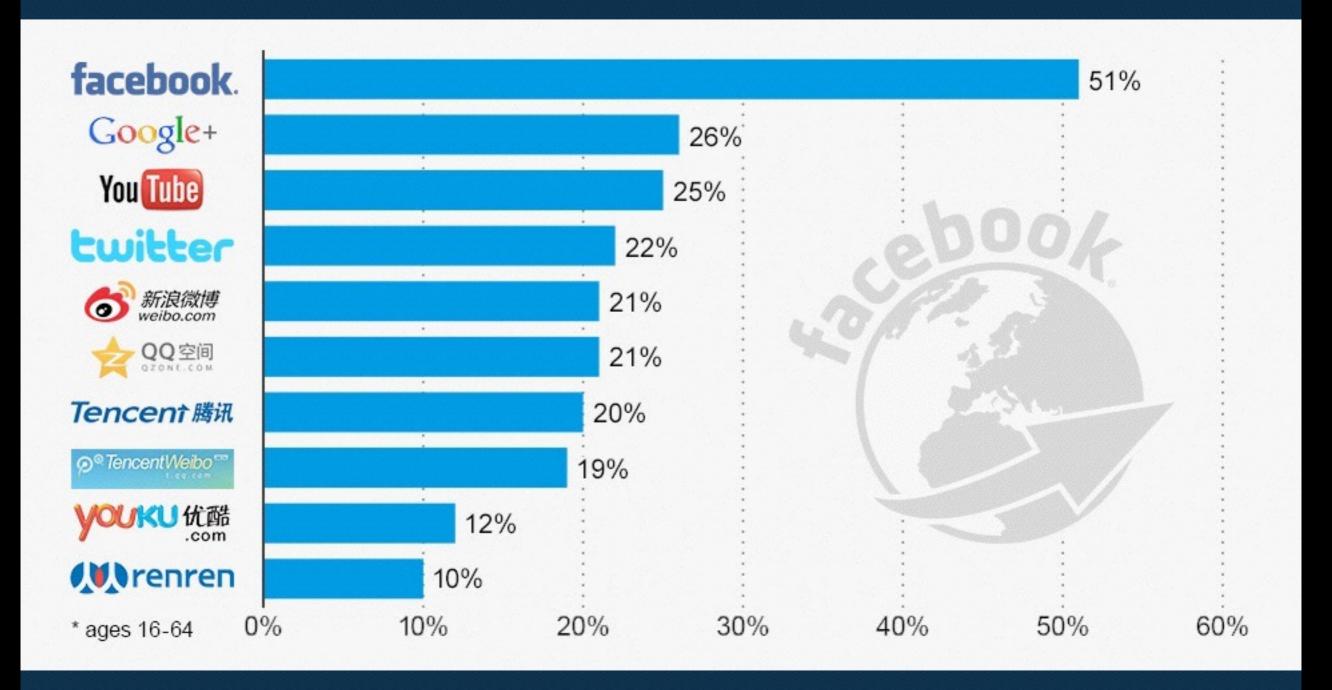




https://
www.youtube.com/
watch?
v=bRNQglXNIXc

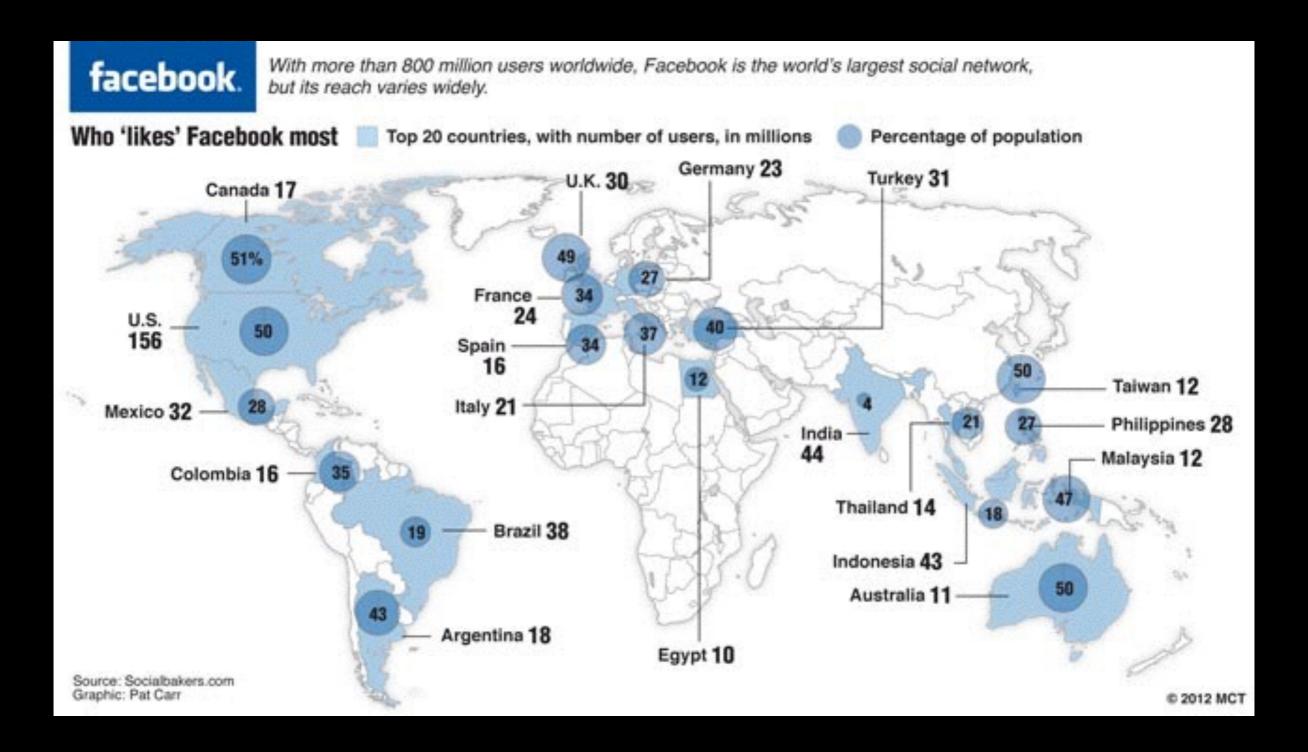
#### Half of the World's Online Population Uses Facebook

Percentage of worldwide internet users\* who actively used the following social media sites in Q1 2013

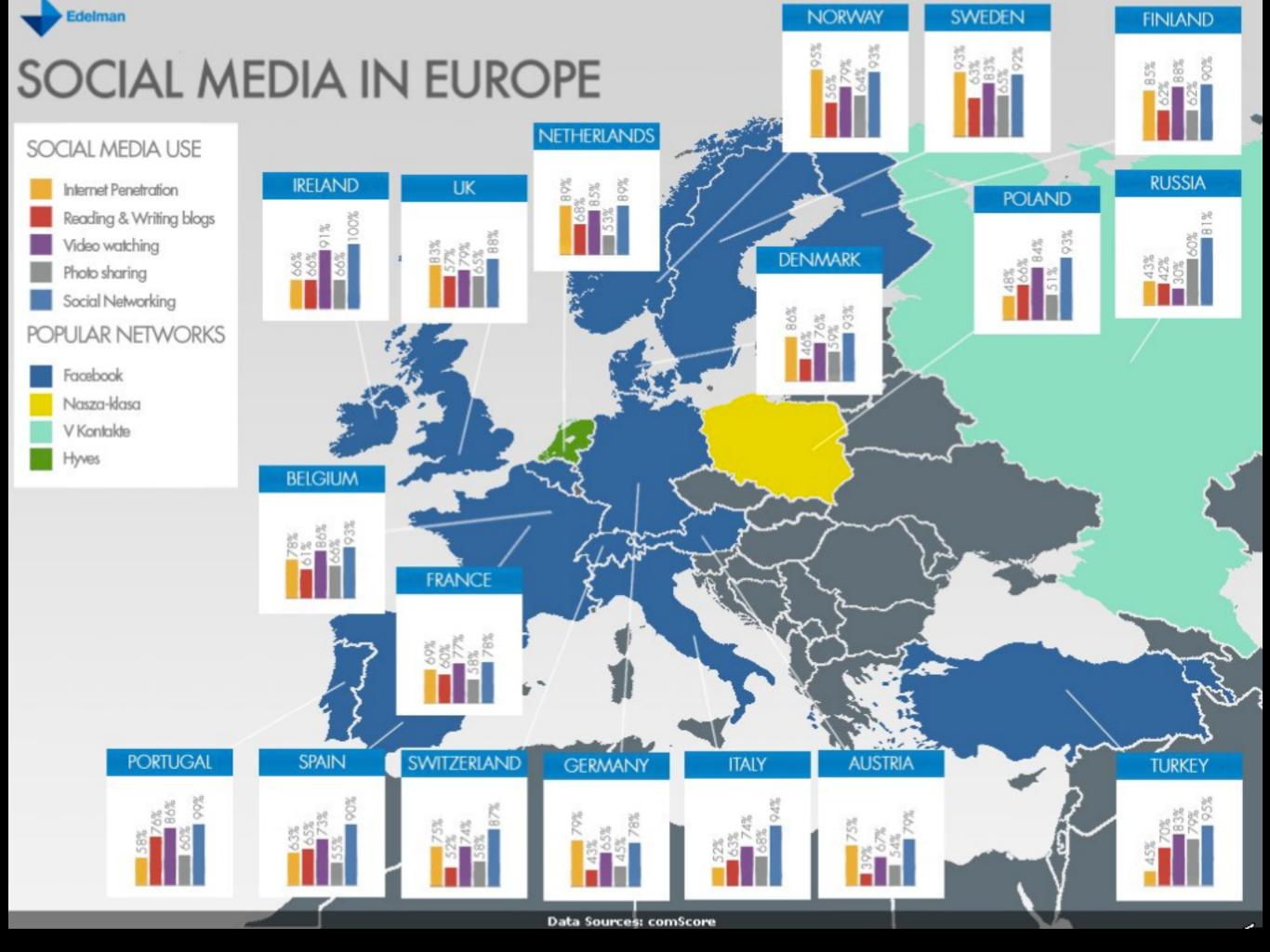




Source: GlobalWebIndex



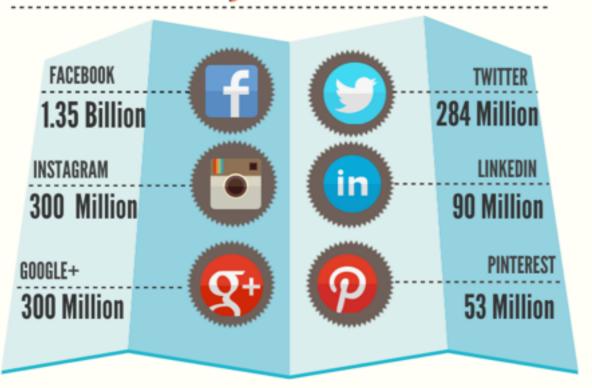
http://mediame.com/en/news/report/socialbakers\_infographic\_reveals\_global\_facebook\_penetration\_rates



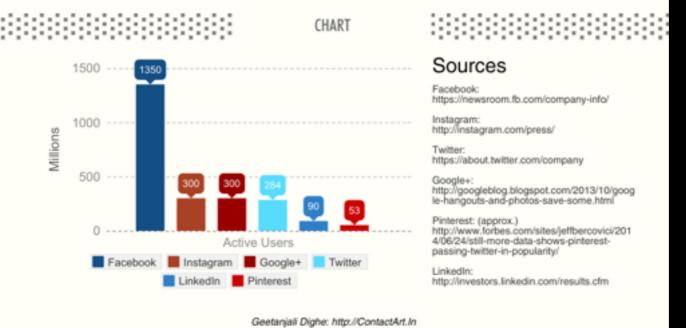
#### 2014

#### **SOCIAL MEDIA STATISTICS**

#### **Monthly Active Users\***



\*Users who have interacted with the community in the last 30 days while logged in



http:// blogs.imedia connection. com/blog/ 2014/12/15/ mau-andengagementstatistics-ofinstagramtwitter-andfacebook/

Kiloo / kiloo.com / 26.5 million daily users / Mar-09-2013 Kiwibox / kiwibox.com / 10 million users / Dec-17-2012 Kleii / kleii.com / 1 million users / Mar-19-2013 Last.fm / last.fm / 40 million users / Dec-13-2012 LevelUp / thelevelup.com / 1 million users / Feb-28-2013 Life360 / life360.com / 34 million users / Apr-26-2013 Line / line.naver.jp / 150 million users / May-01-2013 LinkedIn / linkedin.com / 225 million users / May-06-2013 Listia / listia.com / 2 million users / Jan-21-2013 Living Social / livingsocial.com / 70 million users / Apr-26-2013 LockerDome / lockerdome.com / 13 million users / Apr-29-2013 LoginRadius / loginradius.com / 10 million users / Feb-27-2013 Mailbox / mailboxapp.com / 1 million users / Mar-22-2013 MeetMe / meet-me.com / 4.92 million users / May-08-2013 MeetMoi / meetmoi.com / 3 million users / Oct-01-2012 Mega / mega.co.nz / 3 million users / Feb-19-2013 MessageMe / messageme.com / 5 million users / May-21-2013 Mint / mint.com / 13 million users / May-13-2013 Mixi / mixi.jp / 26 million users / Sep-13-2012 Mobage / mobage.com / 49.6 million users / May-09-2013 REE. Momo / immomo.com / 30 million users / May-22-2013 Mxit / site.mixit.com / 50 million users / Feb-18-2013 חי MyFitnessPal / myfitnesspal.com / 30 million users / May-26-2013 MyHeritage / myheritage.com / 75 million users / May-01-2013 ity MyLife / mylife.com / 60 million users / Jan-04-2013 MySpace / myspace.com / 32.6 million monthly visitors / May-08-2013 M° Netflix / netflix.com / 36 million users / May-09-2013 Netlog / netlog.com / 84 million users / Apr-30-2012 Nexopia / nexopia.com / 1.2 million registered users / Nov-02-2012





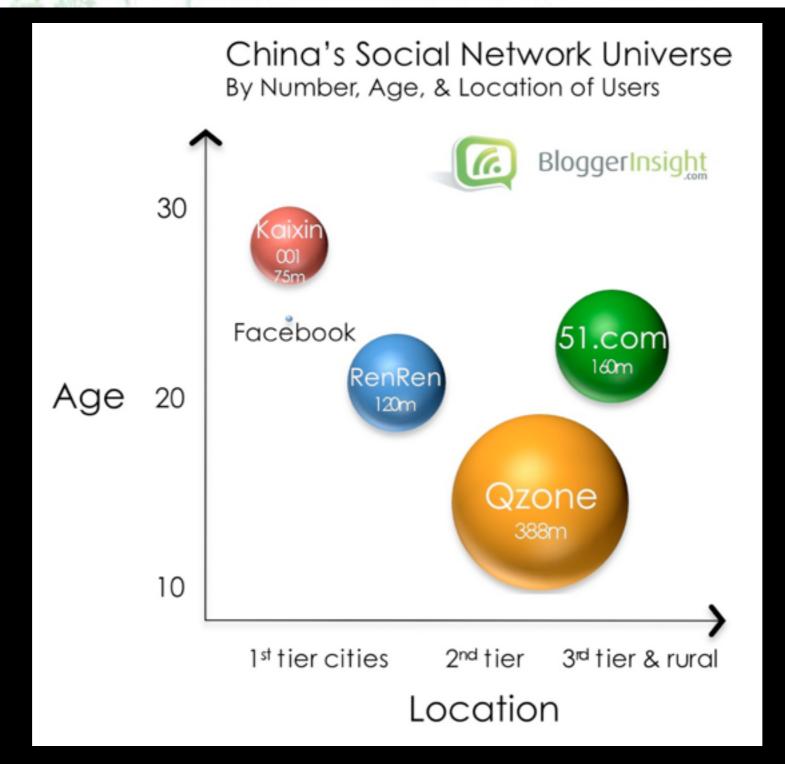




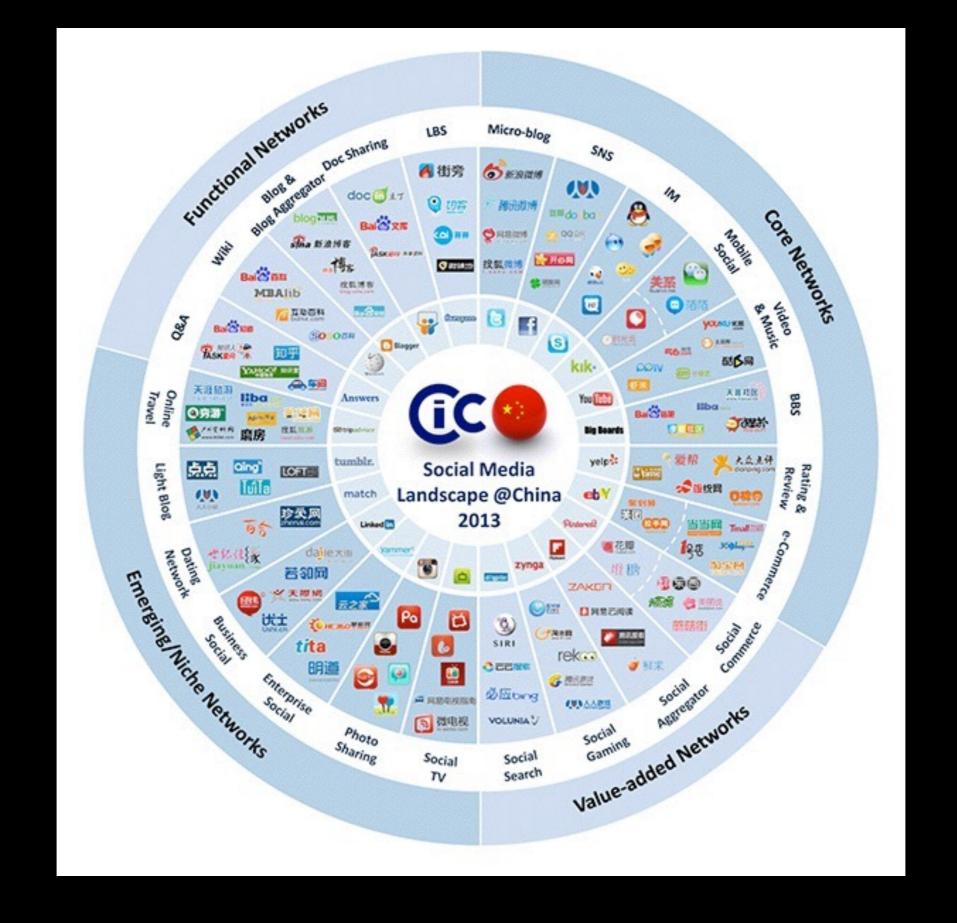








http://
www.china
socialgame
s.com/?
p=372



Facebook is the most popular social network in Europe, but there are many other big social media platforms as well. GooglePlus for example has 550 million active users, and Twitter and LinkedIn have around 300 million each. Pinterest, VK and StumbleUpon are also extremely popular.

#### StumbleUpon

Company · stumbleupon.com

StumbleUpon is a discovery engine that finds and recommends web content to its users. Its features allow users to discover and rate Web pages, photos and videos that are personalized to their tastes ... Wikipedia



CEO: Mark Bartels

Acquisition date: May 2007

Headquarters: San Francisco, California, United States Founders: Justin LaFrance, Garrett Camp, Geoff Smith

#### Profiles







#### **VKontakte**

Company

VK is the largest European social network based in St Petersburg. It is available in several languages, but is especially popular among Russian-speaking users. Wikipedia



CEO: Boris Dobrodeyev

Headquarters: Saint Petersburg, Russia

Founded: 2006

Founders: Pavel Durov, Vyacheslav Mirilashvili, Lev Binzumovich Leviev,

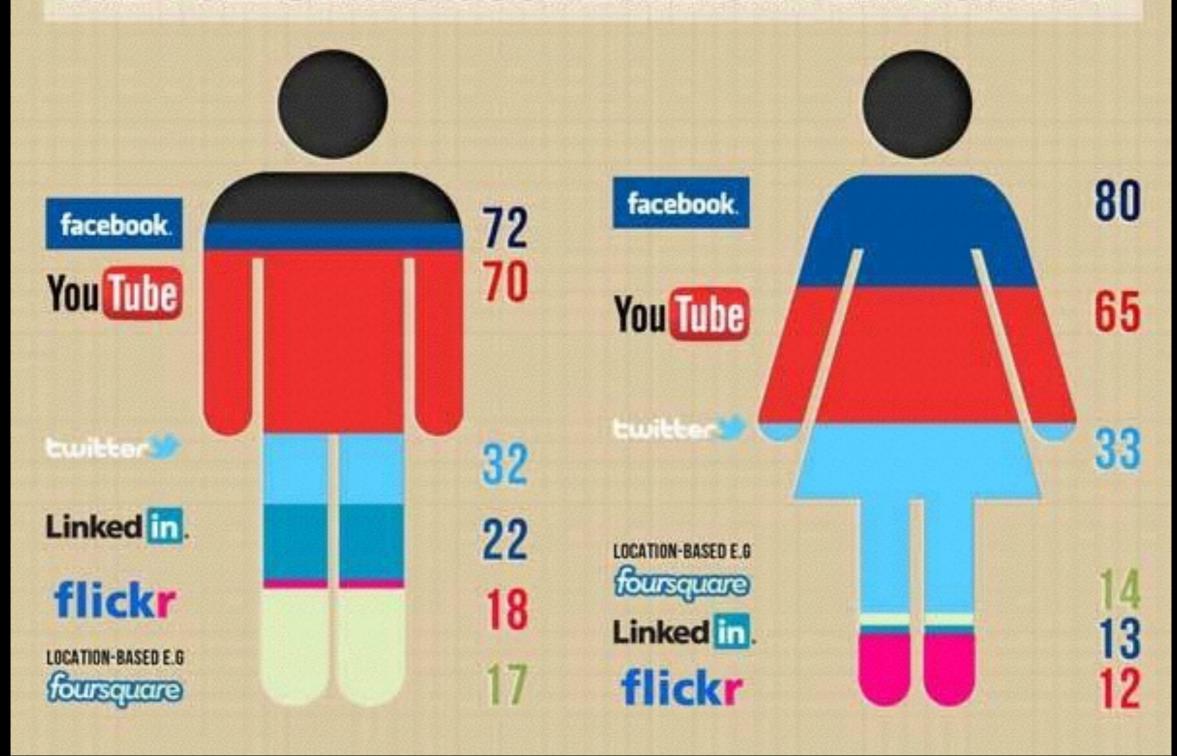
Nikolay Durov

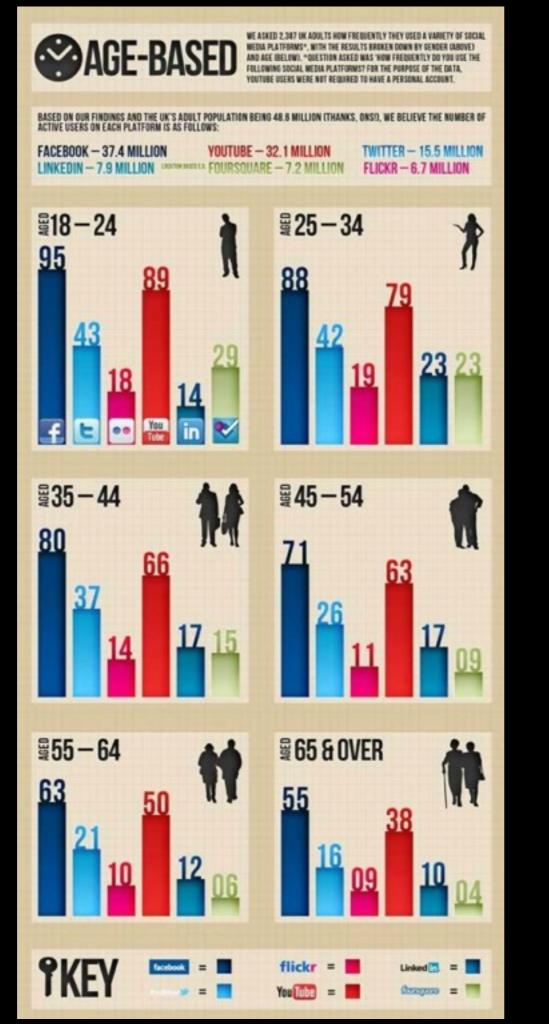
#### **Profiles**



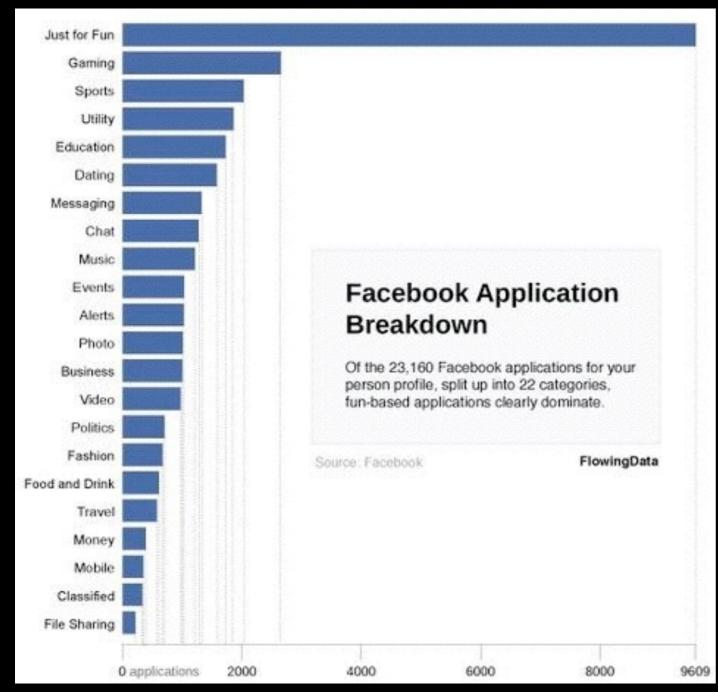
Twitter

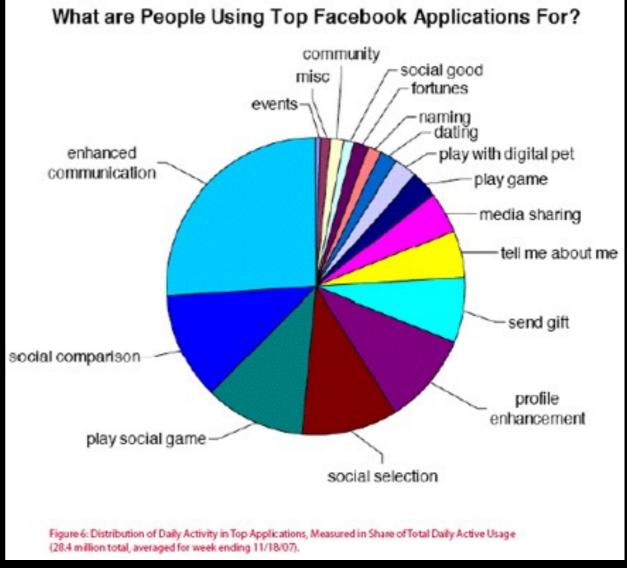
### % OF PEOPLE WITH AN 'ACTIVE' PROFILE ON THE FOLLOWING SOCIAL MEDIA PLATFORMS?'





http://
www.etailvelocity.
com/2013/03/
getting-startedwith-social-media/

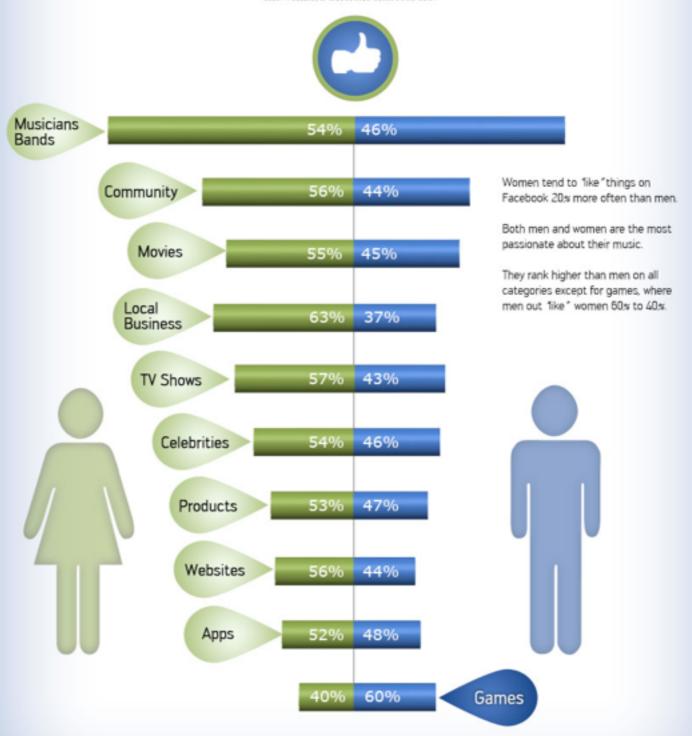






#### what people are really interested in

Let's take a look at what types of content users are "liking" on Facebook. Below is a breakdown of what men and women's different interests are.















BUSINESS

ORIENTED

SOCIAL SITE THAT IS ALL ABOUT DISCOVERY

SOCIAL SITE THAT LIMITS EACH POST TO 140

SOCIAL SHARING SITE THAT HAS 1 BILLION

SOCIAL SHARING SITE ALL AROUND PICTURES AND NOW 15 SECOND VIDEOS

THROUGH THE USE OF

AND POSTING

**PICTURES** 

#

BRANDS

SOCIAL NETWORK
BUILT BY GOOGLE
THAT ALLOWS FOR
BRANDS
AND USERS
TO BUILD CIRCLES

PARTICIPATING

ARE CORPORATE

BRANDS

BRANDS

ACTIVE,

BUT THE ONES THAT ARE

TEND TO BE A

PARTICIPATING

ARE CORPORATE

CURRENT ASSOCIATES

APLACE TO NETWORK

CONNECT



79% OF USERS

ARE 35



ARE 35 OR OLDER



Z4U MILLION ACTIVE USERS

LARGEST



**USERS ARE:** 

32% MALE LARGEST



BUT SPREADING SLOWLY AND STEADILY



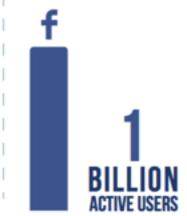
ACTIVE USERS

2.5 BILLION
PIECES OF CONTENT EACH DAY

**COMMUNICATING WITH** 

IN A NON-OBTRUSIVE WAY

**USERS** 



MOST FOLLOWED BRAND IS



150 MILLION ACTIVE USERS g+

-----

.....

400 MILLION ACTIVE USERS

GROWING RAPIDLY

925,000

**NEW USERS** 

**EVERY DAY** 

68% \*C



Designed by: Leverage - leveragenewagemedia.com

#### **Everything**













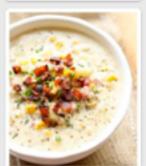






Goldie and kitten friends











Potato Ham Chowder







Bring style & function to your bathroom with an IKEA HJÁLMAREN ladder wall shelf you get a different look and the possibility of storing big things like towels on the lower shelves and small decorative items on the top.

MEA USA

Promoted Pin



Clifford the Big Red Dog

Birthday Party

Cifford the Big Red Dog Party









Seriously Easy Homemade Face Paint







Jump rope exercise.

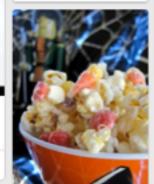




#### We are like a SNOWFLAKE

all different in our own beautiful way





- monstar munch - pop 2 bags of microwave popcom - place in a very large bowl - pour 1 1/2 cups dry roasted salted pearuts, 1 cup candy com, and 1 cup Reeces Pieces on top - melt 1 lb. of white bark - pour over popcom morture spread on waved paper to cool break up while completely cooled off - can add fall colored M & M's or small pretzels too -











Thank You, Lard! --> I am not in control, but I am deeply leved by the one who is. - Green Packiamo





sexy compliment for brown eyed girl # Even though I have blue-green-grey eyes. 3





Homemade Vaseline and tinted lip









Espand Pin

Trum Laughing Squid

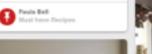
**Illustrations of Disney** Princesses Meeting the Doctor In the TARDIS



Best Steak Marinade in

#### Existence

The Best Marinade in Existence....Ingredients 1/3 cup soy sauce 1/2 cup olive oil 1/2 cup fresh lemon juice 1/4 cup Worcestershire sauce 11/2 tablespoons garlic powder 3 tablespoons dried basil 1 teaspoonground pepper: Used this with perk chops and it was awesome. Makes aton - Probably enough for 8-10 chops.







Skateboard Cost Rack Jl would use big churky hooks though and a detailed artistic skateboard)





Quote that all the time



Cool & polished in Express Mid Rise Destroyed Denim, Barcelona Carni, Helmut Lang Blazer, Chanel Boy Bag & Prada Pumps





Extra-large art





25 People Who Haven't Quite Figured Out Parenting Yet

No comment









Pumpkin Cheesecake

Pumpkin Cheesecaka!

#### Hot Italian Sandwiches

Hot Italian Sandwiches baked in the oven. Meaty Cheesy Sub-Sandwiches, great for feeding a large crowdf



#### very Pinterest ing



Million Visitors Every Day

1.36 million visitors a day

Average Daily Visitors

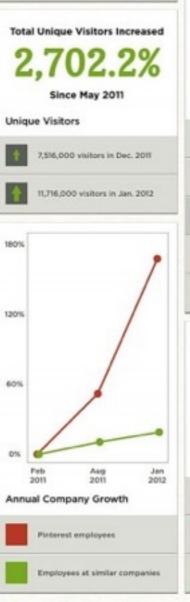
Made by:

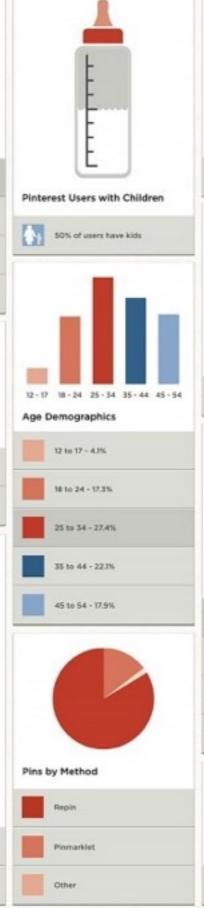
Sources

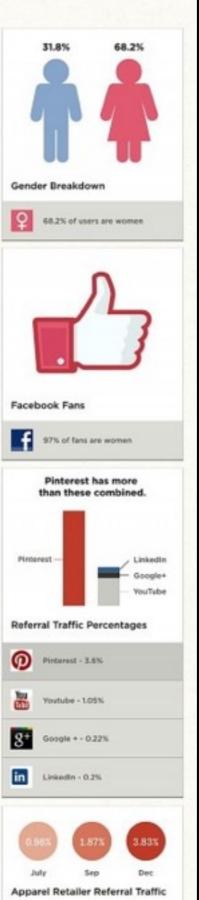
Shareaholic Blog comScore

Tech Crunch

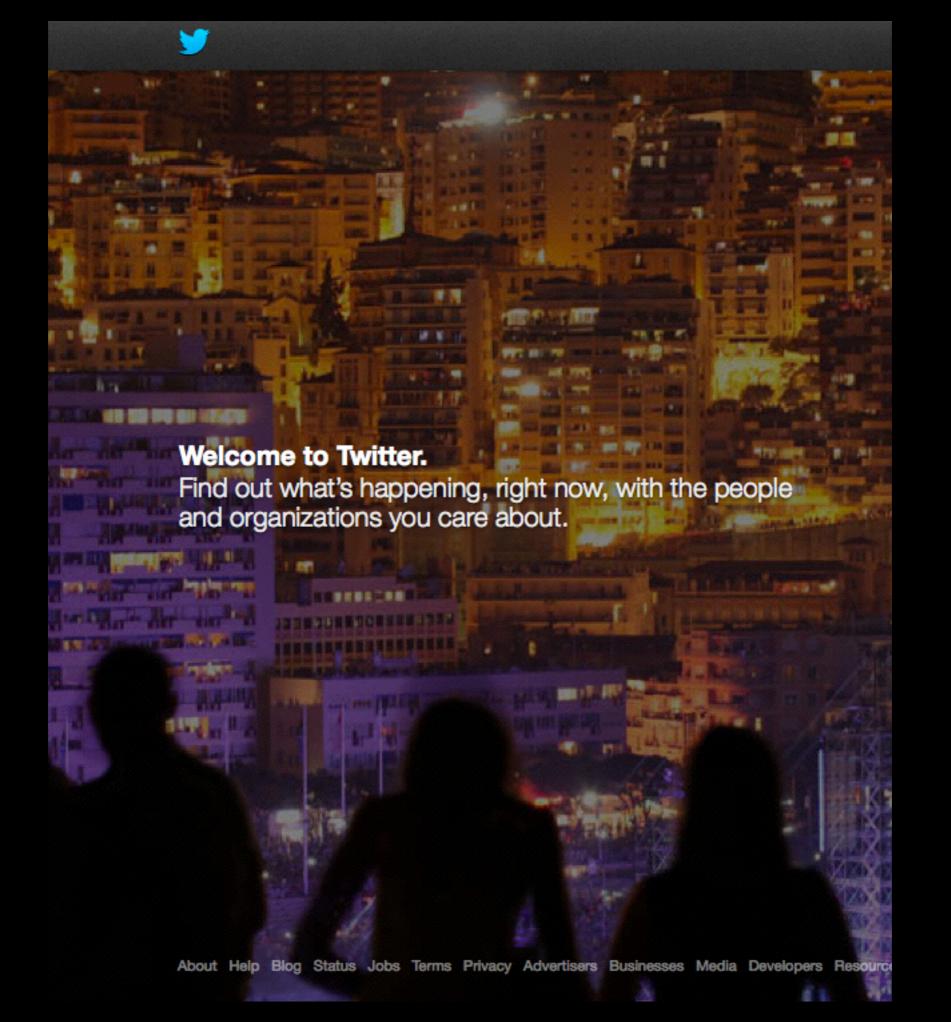








Rose 289% from July - Dec. 2011



### RAGRAM



200M

monthly active users



1.6B

likes daily



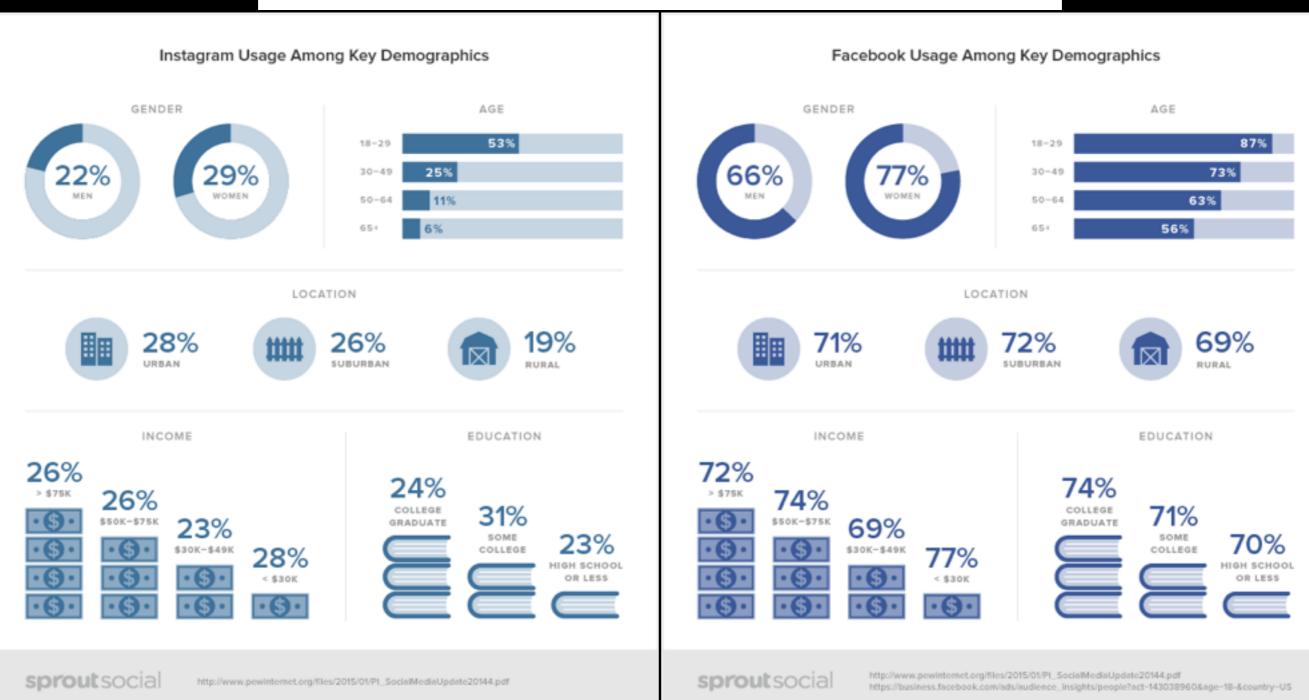
60M

avg. photos per day

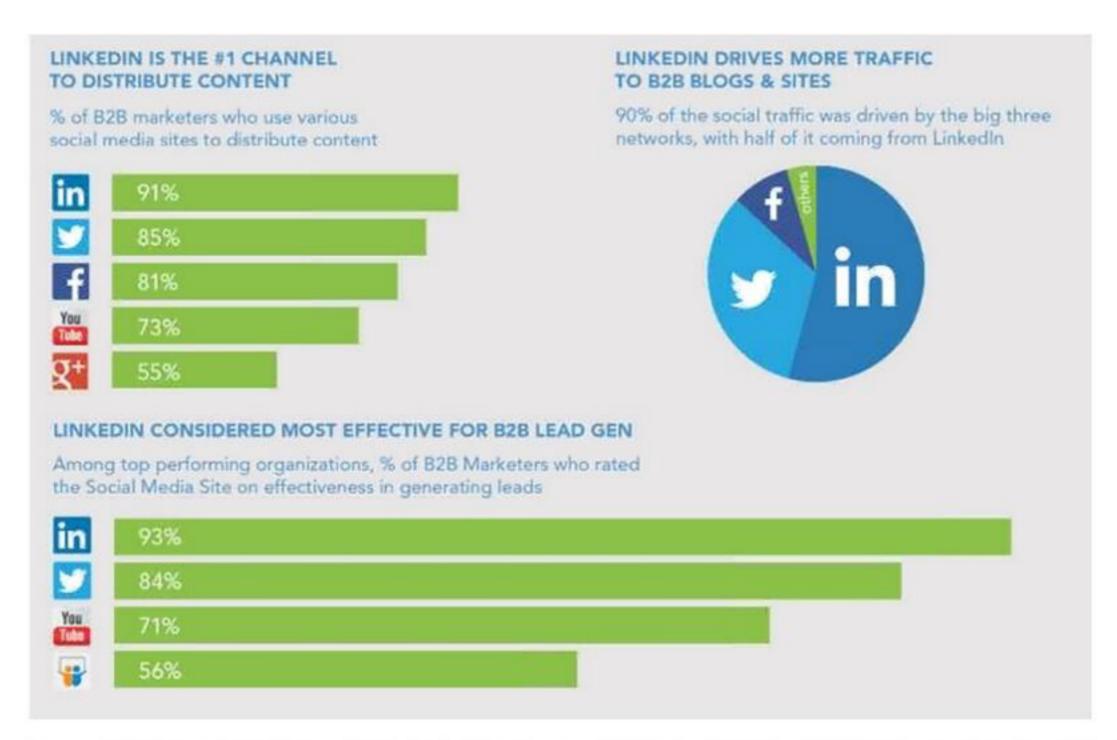
### Instagram vs Facebook: Which Is Best for Your Brand

By Dominique Jackson on August 11, 2015

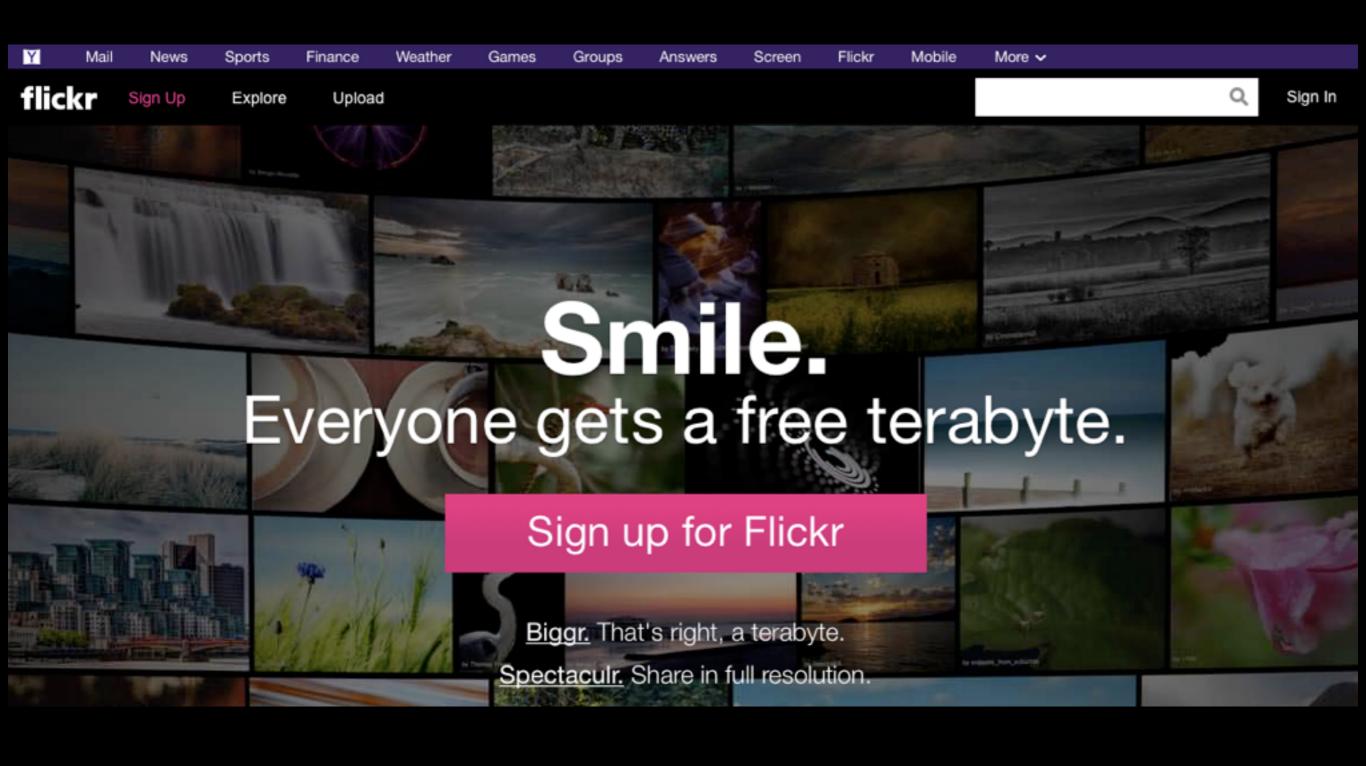




### LinkedIn by the Numbers



Source: Content Marketing Institute and MarketingProfs' fourth annual B2B Content Marketing: 2014 Benchmarks, Budgets, and Trends



## A new breed of social media personalities

A distinct new breed of social media personalities has been born, according to an extensive new study by conversation experts first direct. Which are you?



irst direct

#### The Ultras

Check feeds dozens of times a day. Happily admit obsession.



of Facebook users spend at least two hours a day on the network



#### The Dippers

Access their pages infrequently, often going days, or even weeks, without posting.

Help! I have no signal!

#### The Deniers

Maintain social media doesn't control their lives, but get anxious when unable to access networks.



...of Facebook users would feel "anxious" or "isolated" if they had to deactivate their accounts



## The Virgins

Taking first tentative steps in social media.



...of Brits don't use any social networks



#### The Lurkers

Hiding in the shadows of cyberspace. Watch what others are saying, but rarely (if ever) participate themselves.



...of Facebook users described themselves as 'observers'

#### The Peacocks

Popularity contest. High numbers of followers, fans, 'likes' and re-tweets essential.



...Twitter users want more 'followers' than their friends.



www.business2community .com/social-media/the-12social-mediapersonalitiesinfographic-0473343

http://

## A new breed of social media personalities

A distinct new breed of social media personalities has been born, according to an extensive new study by conversation experts **first direct**. Which are you?



first direct

# http://www.business2community.com/social-media/the-12-social-media-personalities-infographic-0473343

#### The Ranters

Meek and mild in face-to-face conversations. Highly opinionated online.



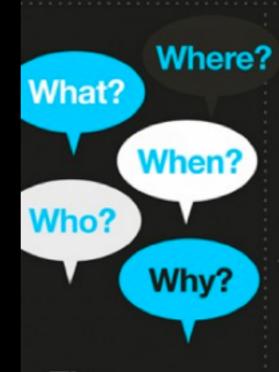
Boo!

# The Ghosts Create anonymous profiles, for fear of giving out personal information to strangers.

## The Changelings

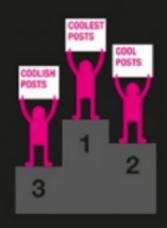
Adopt completely new personality online so no-one knows real identity.





## The Quizzers

Asking questions allows them to start conversations.



#### The Informers

Seek kudos by being the first to share the latest 'stuff' with audiences.

## The Approval Seekers

Constantly check feeds and timelines after posting. Fret until people respond.



© first direct 2013, www.firstdirect.com

#### Did You Know?

- Social networking sites are the top news source for 27.8% of Americans, ranking below newspapers (28.8%) and above radio (18.8%) and print publications (6%). [1]
- Students who used social networking sites while studying scored 20% lower on tests and students who used social media had an average GPA of 3.06 versus non-users who had an average GPA of 3.82. [84]
- 35 global heads of state, every US Cabinet agency, 84% of US state governors, every major candidate for US President, and more than 40% of top global religious leaders are on Twitter. [157]
- 10% of people younger than 25 years old respond to social media and text messages during sex. [100] [173]
- In July 2012 Americans spent 74.0 billion minutes on social media via a home computer, 40.8 billion minutes via apps, and 5.7 billion minutes via mobile web browsers, a total of 121.1 billion minutes on social networking sites. [147]

### http://socialnetworking.procon.org/

#### Obama 's 'Four more years' tweet breaks retweet record









IPONTED 12:28 7 Nov 2012 by Thomas Tamblyn



fter winning President Obama took to Twitter to announce not only that he had won but also to thank those who had supported him, little did he know he'd be breaking records

President Obama broke a world record today after his victory tweet became the most retweeted ever getting over 500,000 retweets and being marked as favourite over 100,000 times.

The election night had proved to be a tough race for President Obama to begin with but by the later stages it became clear that he would be returning to office for another four years.

Alongside his record-breaking tweet Obama then thanked all those who had supported him saying, "This happened because of you. Thank you." This alone was retweeted over 200,000 times.

#### Tech trials and tribulations

- Tech things that are simply unforgivable
- → Tech things tests you set yourself
- Tech things that are always satisfying
- Tech things you should never admit to

Barack Obama is certainly one of the first US Presidents to truly embrace the world of social media with over 22 million followers.

## What makes





http://www.t3.com/news/obama-s-four-moreyears-tweet-breaks-retweet-record#null

#### Ellen DeGeneres' Oscars selfie beats Obama retweet record on Twitter

Host of 86th Academy Awards sees what she calls the "best photo ever" - an image costarring Hollywood's finest - soar past president's Twitter record

#### Xan Brooks liveblogs the ceremony Full list of winners as they're announced



Ellen DeGeneres group Oscar selfie Photograph: @TheEllenShow/Twitter

A picture shared by Oscars host <u>Ellen DeGeneres</u> became the most retweeted photograph ever on Sunday night, racing past a record held by President Obama.

The selfie shows Hollywood stars including (from left) Jennifer Lawrence, Channing Tatum, Meryl Streep, Julia Roberts, DeGeneres, Kevin Spacey, Bradley Cooper, Brad Pitt, Lupita Nyong'o and her brother and Angelina Jolie (with her face half obscured). DeGeneres tweeted the picture on her <a href="https://www.neceunt.com/own.account">own account</a> and captioned it: "If only Bradley's arm was longer. Best photo ever. #oscars".

It reached 779,295 retweets in approximately half an hour, and so beat a record previously held by the US president, when he tweeted an image titled "Four more years" at the point of his re-election in November 2012.

Within an hour, the DeGeneres tweet had claimed over a million retweets. The Oscars host later said that <u>Twitter</u> had temporarily crashed because of her actions and added: "We really just made history. We're all winners tonight."

Come the end of the ceremony, the figure stood at 2,070,132.

http://
www.theguardian.com
/film/2014/mar/03/
ellen-degeneres-selfieretweet-obama







Search in newsroom

Q

Home

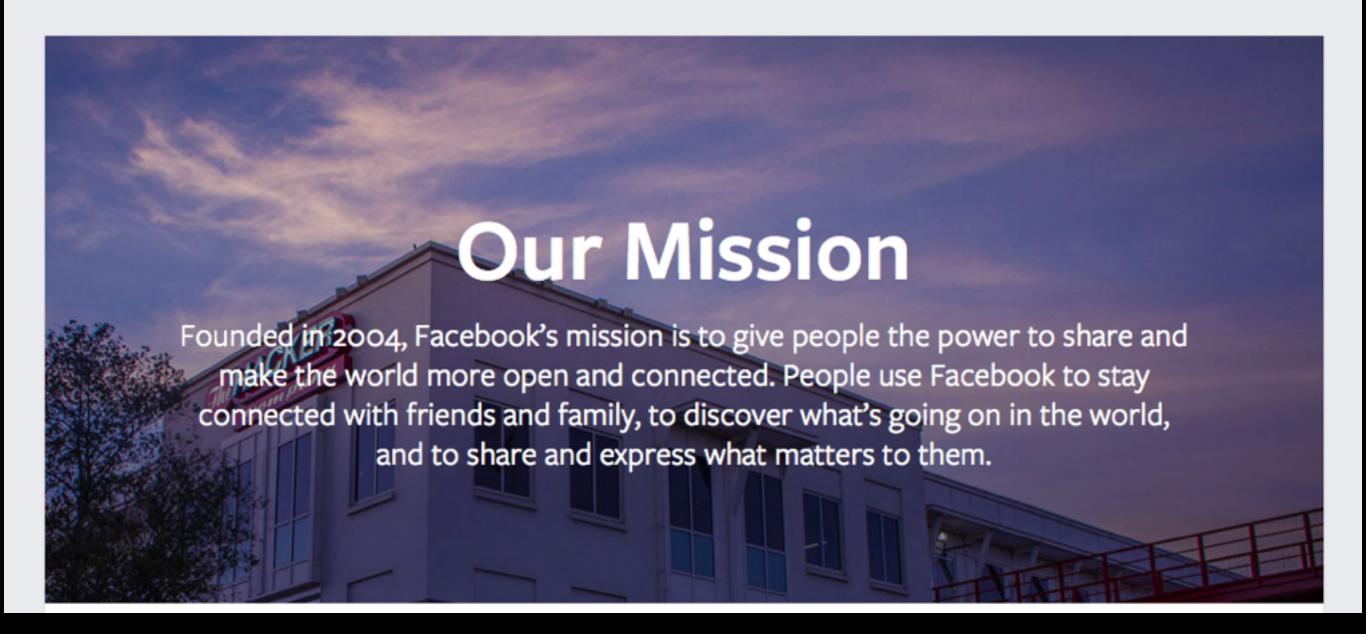
News

**Products** 

Company Info

Directory

Investor Relations



## **Stats**

#### Headquarters

1 Hacker Way, Menlo Park, California 94025

#### **Employees**

11,996 employees as of September 30, 2015

#### Statistics

- 1.01 billion daily active users on average for September 2015
- 894 million mobile daily active users on average for September 2015
- 1.55 billion monthly active users as of September 30, 2015
- 1.39 billion mobile monthly active users as of September 30,
   2015
- Approximately 83.5% of our daily active users are outside the US and Canada

http://newsroom.fb.com/Key-Facts

#### **Recent News and Announcements**

November 19, 2015

Improving the Experience When Relationships End

November 18, 2015

**Introducing New Tools for Nonprofits** 

November 11, 2015

**Global Government Requests Report** 

November 11, 2015

Introducing Notify, a Notifications App from Facebook

November 4, 2015

Facebook Reports Third Quarter 2015 Results

November 3, 2015

New Milestones in Artificial Intelligence Research

October 28, 2015

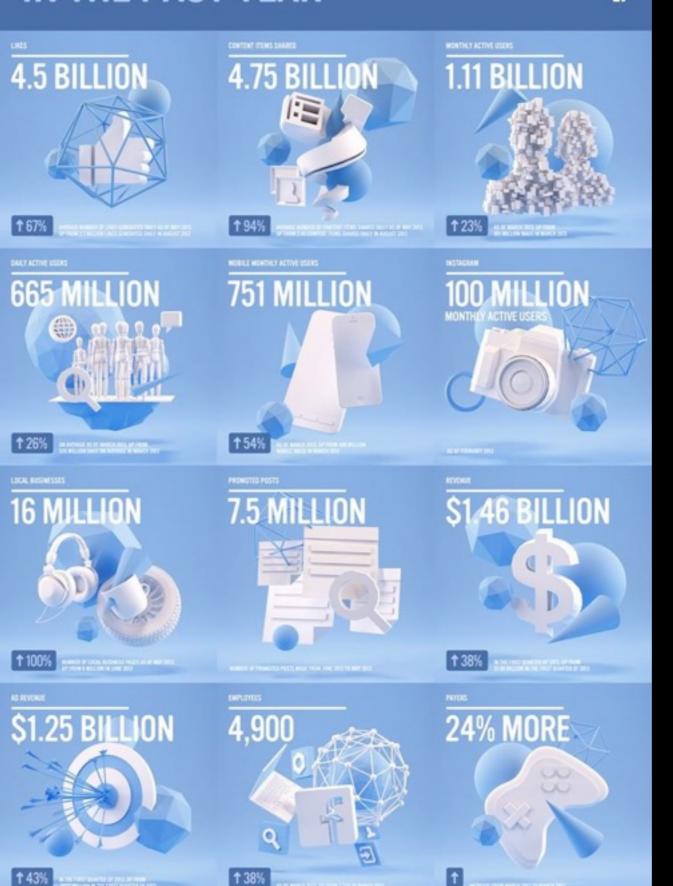
**Highlights from Q&A with Mark** 

October 26, 2015

A More Useful Notifications Tab on Mobile

### FACEBOOK'S GROWTH IN THE PAST YEAR

f



http://
newsroom.fb.com
/Photos-and-BRoll/4416/
Facebook-39-sGrowth-In-ThePast-Year



likes Zappos.com.

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Fast, free shipping & free returns on everything we sell.

Like · Comment · Share · 🖒 1,604 📮 135 📴 95 · 🚱 · Sponsored



#### - with

More shoes less grumpiness. #shoes #happy #allyouneed #truth #heels #stilts #smile #wisdom #ilovebeingagirl Andra Nicolau



NOW EVERYTHINGS A-OKAY.

The New York Times

TECHNOLOGY

#### Facebook to Spend Billions on Future

By VINDU GOEL OCT. 28, 2014



Facebook in Menlo Park, Calif. The company's chief financial officer says expenses could rise as much as 75 percent next year. Jim Wilson/The New York Times

http://
www.nytimes.com/
2014/10/29/
technology/facebookstrong-q3earnings.html



₩ Twoot







SAN FRANCISCO — <u>Facebook</u> shareholders got a sobering reminder on Tuesday: It's Mark Zuckerberg's company, and he is determined to spend billions of dollars over the next decade on ventures that might never generate substantial profits.

Facebook <u>reported strong growth</u> in revenue and profit for the third quarter, continuing its recent string of impressive performances.

But in a conference call to discuss the results with investors, Mr.

Zuckerberg, Facebook's co-founder and chief executive, focused more on his
vision for the company over the next three, five and 10 years.

He talked about his recent \$21.8 billion acquisition of WhatsApp and how he wanted to take the mobile messaging app quickly to a billion users from 600 million. ("For us, products really don't get that interesting to turn into businesses until they have about one billion people using them," he said.)





How can we help?



Desktop Help → Privacy → Basics

English (US)

#### **Basic Privacy Settings & Tools**

Choose Who You Share With

Advanced Privacy Controls

Your Personal Data

Back

#### **Basic Privacy Settings & Tools**

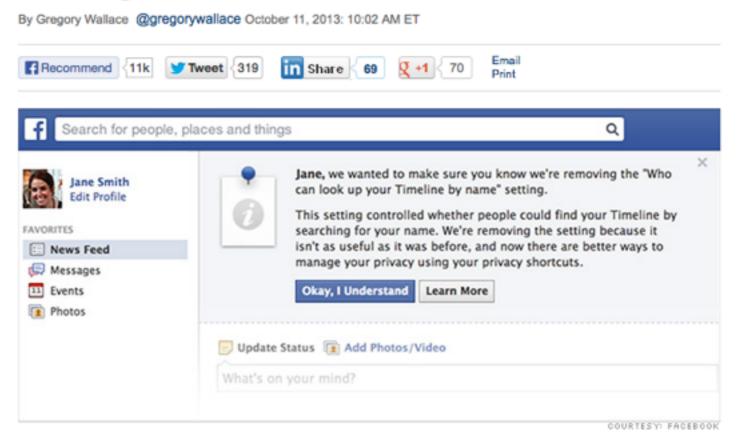
Selecting an Audience for Stuff You Share

- When I post something, how do I choose who can see it?
- ▶ How can I use lists to share to a specific group of people?
- ▶ How do I change the audience of a post I've shared on my Timeline?
- ▶ How do I control who can see what's on my profile and Timeline?
- How do I choose who can see previous posts on my Timeline?



## Facebook kills search privacy setting

**CMMoney** 



Facebook announced Thursday it is officially axing a privacy setting that allowed users to shield themselves from searches by strangers.

NEW YORK (CNNMoney)

Still hiding in Facebook's shadows? Not for much longer.

The company announced Thursday it is officially axing a privacy setting that allowed people to hide their profiles from other users in Facebook's search field.



The setting "who can look up my timeline by name" had already disappeared from the options for some users — specifically, those who weren't using the feature in December of last year. Thursday's change affects a "small percentage of people" on the site who were still using the feature, Facebook ( FB, Fortune 500) said, although it did specify how many of its 1.15 billion active users were impacted.

http://money.cnn.com/ 2013/10/11/technology/ social/facebook-searchprivacy/ ome Gadgets Social Computers Military Tech Mobile Games Slideshows

#### Facebook loosens privacy restrictions for minors amid cyber bullying concerns

By Sasha Bogursky / Published October 17, 2013 / FoxNews.com





#### RELATED LISTS



Secure alternatives to Facebook, Instagram and Twitter Facebook will now let teenagers between the ages of 13 and 17 share their posts with everyone on the Internet.

The new policy will give teens the choice of switching their settings so their posts can be accessible to the general public. That option already has been available to adults, including users who are 18 or 19. But it means teenagers may be potentially more exposed to online problems.

"Online bullying is an extension of what is already happening in the circle of friends of the targeted individual," said Hemu Nigam, the former chief security officer for <a href="MySpace.com">MySpace.com</a> := That is why every single arrest we see in an online bullying case has been a local individual or set of individuals that knows the person offline."

The only way to prevent cyber bullying is through "teachable moments," said Nigam, who founded the online security company SSP Blue [3+.]

http://
www.foxnews.com/
tech/2013/10/17/
facebook-loosensprivacyrestrictions-forminors-amid-cyberbullying-concerns/

#### Didn't Read Facebook's Fine Print? Here's Exactly What It Says

The Huffington Post | By Amanda Scherker 🔯 🤟 📩
Posted: 07/21/2014 7:39 am EDT | Updated: 07/23/2014 11:59 am EDT



So, like every other one of the world's 1.28 billion monthly active Facebook users, you blindly agreed to Facebook's Terms and Conditions without reading the fine print.

You entrusted your photo albums, private messages and relationships to a website without reading its policies. And you do the same with every other site ... sound about right?

In your defense, Carnegie Mellon researchers determined that it would take the average American 76 work days to read all the privacy policies they agreed to each year. So you're not avoiding the reading out of laziness; it's literally an act of job preservation.

So here are the Cliffs Notes of what you agreed to when you and Facebook entered into this contract. Which, by the way, began as soon as you signed up:

http://www.huffingtonpost.com/2014/07/21/ facebook-terms-condition\_n\_5551965.html



Nothing you do on Facebook is private. Repeat: Nothing you do on Facebook is private.

So we can show you content that you may find interesting, we may use all of the information we receive about you to serve ads that are more relevant to you. For example, this includes:

- · information you provide at registration or add to your account or timeline,
- things you share and do on Facebook, such as what you like, and your interactions with advertisements, partners, or apps,
- · keywords from your stories, and
- things we infer from your use of Facebook.

FACEBOOK

Note the rather vague use of the word "infer," which Oxford Dictionary defines as "Deduce or conclude (information) from evidence and reasoning rather than from explicit statements."

#### That includes some things you haven't even done yet.

Facebook has even begun studying messages that you type but end up deciding not to post. A recent study by a Facebook data analyst looked at habits of 3.9 million English-speaking Facebook users to analyze how different users "self-censor" on Facebook. They measured the frequency of "aborted" messages or status posts, i.e., posts that were deleted before they ever were published. They studied this because "[Facebook] loses value from the lack of content generation," and they hoped to determine how to limit this kind of self-censorship in the future. While a Facebook spokesman told Slate that the network is not monitoring the actual substance of these messages, Facebook was able to determine when characters were typed, and whether they were posted within ten minutes of being typed.

#### Even if you leave the network, not all your information does.

Your Facebook footprint doesn't necessarily disappear if you deactivate your account. According to the site's Statement of Rights and Responsibilities, if your videos or photos have been shared by other users, they will remain visible on the site after you deactivate your account, and are subject to that user's privacy settings. TOPICS

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Security

Internet In

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#### **FACEBOOK**

More than friends: Facebook data can reveal your significant other

#### **GOOGLE GLASS**

Google Glass Explorers get to swap for new (equally awkward) devices

#### DELL

Dell assures laptop owners that the awful smell isn't cat pee

#### TWITTER

Twitter sued over private stock sale prior to IPO

#### ROBOTS

Robot cleans hospital rooms faster than humans can

#### ROBOTS

Bump! Flying robot crashes into things to get around them

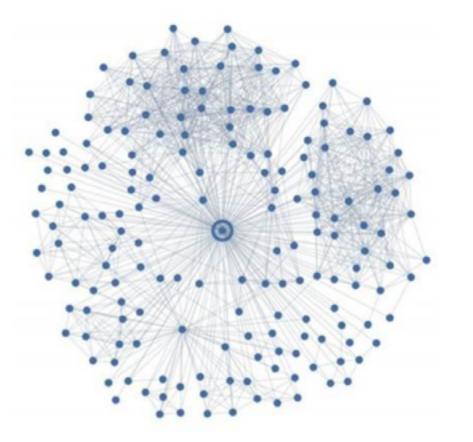
## More than friends: Facebook data can reveal your significant other

**Devin Coldewey, NBC News** 

20 hours ago

After putting the data of over a million Facebook users through careful analysis, researchers have found a reliable and intuitive measure for determining who a person's romantic partner is on Facebook — and even potentially how serious that relationship might be.

The study, by Lars
Backstrom of Facebook and
Jon Kleinberg of Cornell
University, used 1.3 million
users' data (carefully
anonymized, of course);
everyone was over 20, with
between 20 and 2000
friends.



Facebook / Cornell University

The hundreds (or thousands) of connections in the average Facebook user's network are rife with significance, but difficult to analyze.

Even with so much data, it's not easy to approach the problem of sussing out romantic connections. As the paper's introduction describes it:











http://
www.nbcne
ws.com/
technology/
morefriendsfacebookdata-canreveal-yoursignificantother-8CII
491330

#### Facebook Knows Who You're Dating: Here's How

Go to Grid

Embed this Story



NEW STUDY ALSO FINDS WHICH COUPLES ARE LIKELIEST TO BREAK UP



By Evann Gastaldo, Newser Staff Posted Oct 30, 2013 11:17 AM CDT

facebook

View larger images >>

In this May 16, 2012 file photo, a Facebook logo is displayed on the screen of an iPad in New York. (AP Photo/James H. Collins, File)



MY TAKE ON THIS STORY: CLICK BELOW TO VOTE					
8%	2%	39	%		
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019/	00/	00	0/		



(NEWSER) – Facebook data scientists can figure out who you're sleeping with, even if your relationship isn't "Facebook official," and in a new paper researchers explain how they figured out the method, the *Atlantic* reports. Turns out the key is to look at more than just mutual friends.

"Embeddedness," or the number of mutual friends two people have, can show how close those people are (the more mutual friends, the closer they are). But researchers found embeddedness predicted the correct significant others just 24.7% of the time. A more accurate predictor is something called "dispersion."

That means researchers looked at how many *networks* were shared between two people, working on the theory that your romantic partner will have met your family and your current friends and co-workers, as well as old friends from high school or college. By looking at which friend was the most dispersed across all of a Facebook user's networks, researchers upped their accuracy at predicting significant others to 50%. "A spouse or romantic partner is a bridge between a person's different social worlds," one researcher explains, according to the *New York Times*. Oh, and dispersion also works to predict the health of your relationship: The more dispersion a user had with his or her partner, the more likely the relationship was to last at least 60 days.

http://
www.newser.com
/story/176752/
facebook-knowswho-youredating-hereshow.html



#### facebook privacy

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About 197,000,000 results (0.50 seconds)



#### Facebook privacy judgement 'waiting for translation'

BBC News - Nov 24, 2015

A judgement requiring Facebook to make major changes to privacy settings in Belgium has been delayed while the court document is ...

Facebook Class Action Privacy Case Goes to Austria's Supreme Court

Center for Research on Globalization - Nov 24, 2015

Austrian supreme court to decide whether Facebook privacy class ...

CIO - Nov 23, 2015

Facebook 'Class Action' Privacy Lawsuit Moves To Austrian ...

Highly Cited - TechCrunch - Nov 23, 2015

Facebook poised to face class-action privacy suit in Austria

In-Depth - Christian Science Monitor - Nov 23, 2015

Facebook privacy lawsuit moves up to the Austrian Supreme Court

Highly Cited - Digital Trends - Nov 23, 2015















Digital Trends Center for Re...

CIO

Christian Scie..

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#### The 'Most Used Words' Facebook app is a privacy night...

Wired.co.uk - Nov 24, 2015

More than 17 million people have used a Facebook app ('Most Used Words') to find out the terms they say most often on the social network ...

This Facebook App Could Be A Privacy Nightmare Refinery29 - Nov 25, 2015

Why the latest hot Facebook app is raising privacy fears

CBS News - Nov 25, 2015

Privacy warning over dumb Facebook word cloud guiz

Highly Cited - Inquirer - Nov 26, 2015

Experts are warning that a viral Facebook app may be looking at ...

In-Depth - CTV News - Nov 25, 2015

Facebook guizzes are (still) a privacy threat

Highly Cited - Engadget - Nov 23, 2015













Inquirer

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**CBS News** 

Huffington Post

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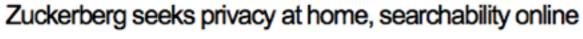


#### Facebook quizzes called a 'privacy nightmare'

Radio Canada International - Nov 27, 2015

Millions of people are taking quizzes on Facebook without realizing may give away a lot of private information that can be bought and spread ...







RT America · 7,205 videos

2,887

**6** 80 🐠 11

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About

https:// www.youtube.com/ watch?  $v=nZ40eL_cH-k$ 

### **BIG NEWS: Teens Are Officially Leaving Facebook**



We learned some big news from Facebook's earnings report: Teens are officially leaving Facebook.

We already knew that Facebook was no longer the most popular social network for teenagers, but we now have confirmation from the company itself.

Facebook CFO David Ebersam said that although youth engagement on the social network is hard to measure, there was definitely a decrease in daily users among younger teens in Q3.



"This is of questionable significance," Ebersam said, "But we wanted to share this with you now because we get a lot of questions about teens."

Ebersam added that Facebook remains "close to fully penetrated" among teens in the U.S., meaning just about every teenager is already using Facebook there.



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#### About YouTube

Launched in May 2005, YouTube allows billions of people to discover, watch and share originally-created videos. YouTube provides a forum for people to connect, inform, and inspire others across the globe and acts as a distribution platform for original content creators and advertisers large and small.

YouTube is a Google company.

#### YouTube Partner Program

- Created in 2007, we now have more than a million creators from over 30 countries around the world earning money from their YouTube videos
- Thousands of channels are making six figures a year

#### Monetization

- Thousands of advertisers are using TrueView in-stream and 75% of our in-stream ads are now skippable
- . We have more than a million advertisers using Google ad platforms, the majority of which are small businesses

#### **Statistics**

#### Viewership

- . More than 1 billion unique users visit YouTube each month
- Over 6 billion hours of video are watched each month on YouTube—that's almost an hour for every person on Earth
- · 100 hours of video are uploaded to YouTube every minute
- 80% of YouTube traffic comes from outside the US
- · YouTube is localized in 61 countries and across 61 languages
- · According to Nielsen, YouTube reaches more US adults ages 18-34 than any cable network
- Millions of subscriptions happen each day. The number of people subscribing daily is up more than 3x since last year, and the number of daily subscriptions is up more than 4x since last year



What's happening on YouTube

#### Pwn, share, repeat with YouTube on PlayStation 4

Posted: Tuesday, October 28, 2014





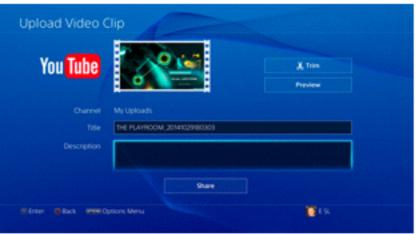




Gaming on YouTube is all about sharing. Sharing your favorite funny moments from Far Cry 4. Avoiding as many Aliens as you can. Even sharing your old video games.

That's why starting today you can share gameplay directly to YouTube on PlayStation 4 like a bawss, and watch all the YouTube you love with a new app starting to roll out today in the PlayStation Store. Just hit the Share button on the DualShock 4 controller to turn your power move into your next great video on YouTube.





You can also find and watch videos uploaded to YouTube by your PlayStation Network friends in the "What's New" section of the PlayStation 4 and the PlayStation mobile app.

http://
youtubeglobal.blog
spot.com/

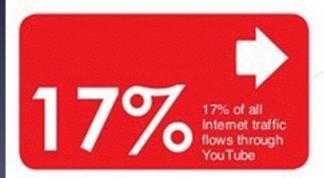
### The Massive YouTube Ecosystem











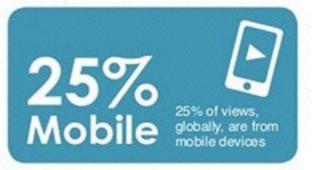












### screens

- Mark Crispin Miller on Orwell's 1984:
- "In Oceania, as in America, the telescreens are always on, and everyone is always watching them" (323).

### Social Networks Take Up The Most Online Time in the U.S.

Average minutes per day spent with online activities in the U.S. in 2013



THE WALL STREET JOURNAL.

n= 5,000 adults (ages 18-64)

Source: GfK, IAB statista

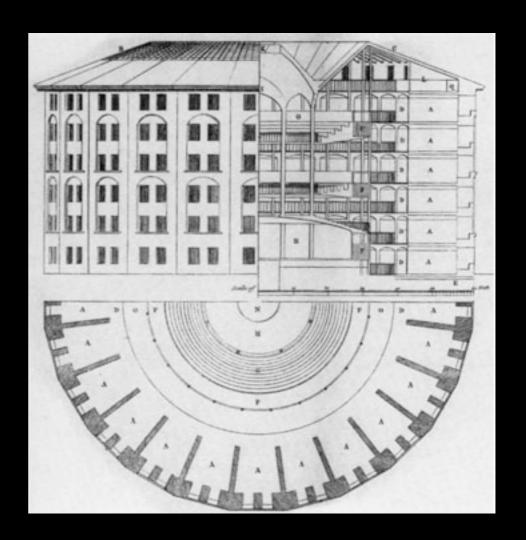
http://www.zerohedge.com/news/2014-05-24/how-americans-spend-their-time-online



## Panopticon

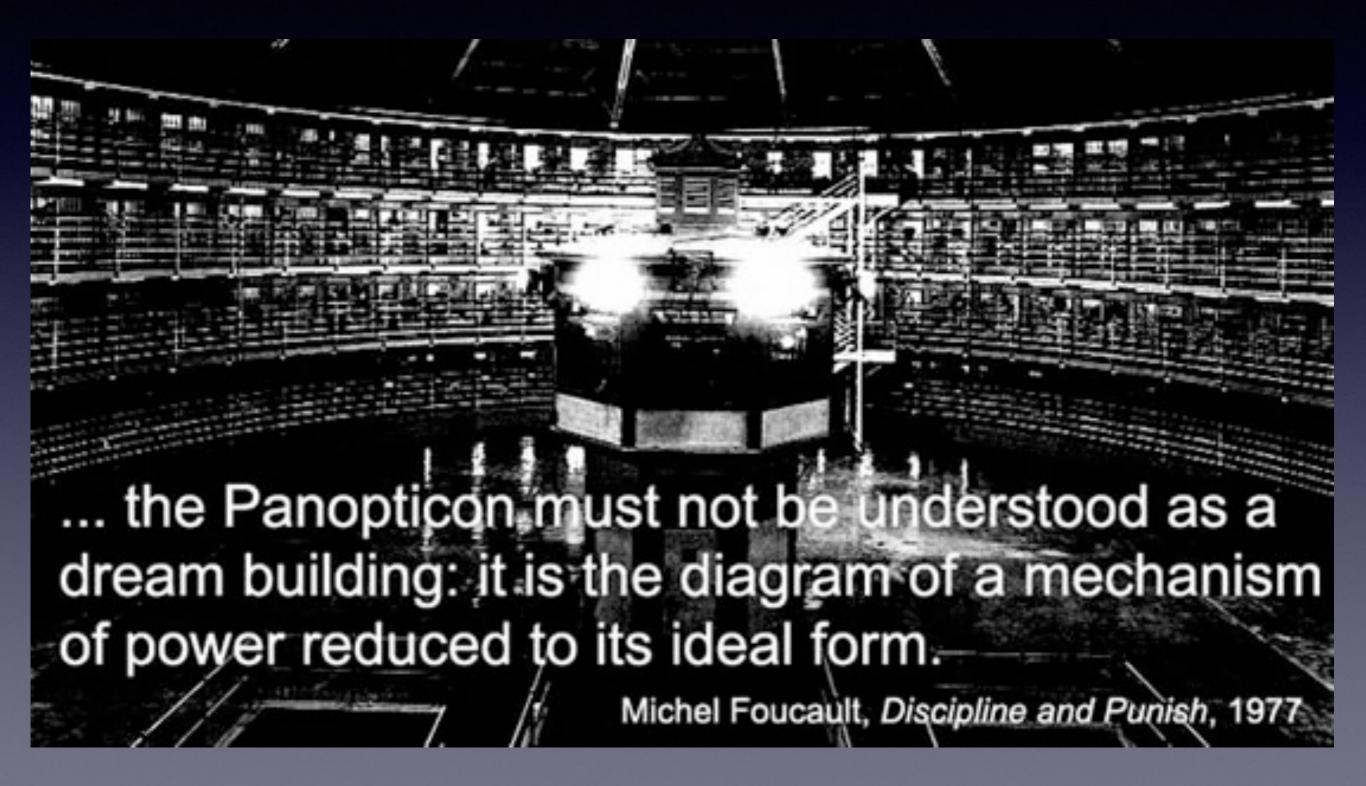
"a new mode of obtaining power of mind over mind, in a quantity hitherto without example."

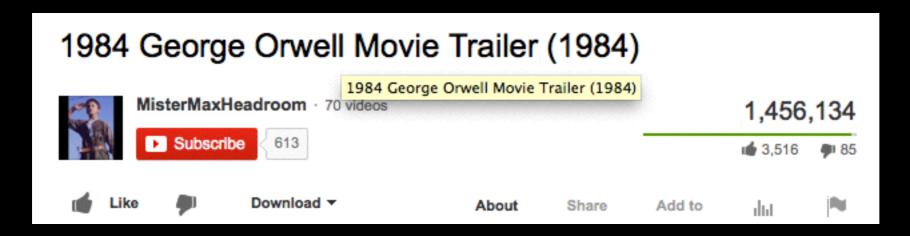
Bentham, Jeremy. <u>Panopticon (Preface)</u>. In <u>Miran Bozovic</u> (ed.), *The Panopticon Writings*, London: Verso, 1995, 29-95.



Elevation, section and plan of Jeremy Bentham's Panopticon, drawn by Willey Reveley, 1791.

## Panopticon as metaphor Michel Foucault





https://
www.youtube.com/
watch?
v=Z4rBDUJTnNU

# The Original 1984 Apple Macintosh Commercial The Ad Show → 3,095 videos The Ad Show → 3,095 videos SHOW Subscribe 382,332 Like Download → About Share Add to

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www.youtube.com
/watch?v=nz8WD6v-Jg

## 1984

United Technologies ad copy

(Harper's magazine, 1984):

"Orwell was wrong about technology.

Technology has not enslaved us. It has freed us.

Because the chip increases our choices, it
ensures individuality."

### PollingReport.com

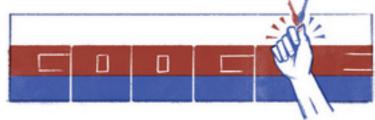
#### Computers and Technology (p. 2)

Pew Research Center Poll. Dec. 9-13, 2009. Adults nationwide.

"As I read a list of changes that have taken place, please tell me if you think each one has been a change for the better, a change for the worse, or hasn't made much difference. Has [see below] been a change for the better, a change for the worse, or hasn't this made much difference?"

	Change for the better %	Change for the worse %	Not much difference %	Unsure %	
"Cellphones" N=725 (For 12/9-13/09	m 2), MoE ± 4.5 69	14	11	5	
"Email" N=725 (Form 2), M 12/9-13/09	oE ± 4.5 65	7	19	9	
"The internet" N=779 (F 12/9-13/09	orm 1), MoE ± 4.5 65	16	11	8	
"Handheld devices su 12/9-13/09	ch as Blackbe	rries and iPhon 25	1 <b>es"</b> N=779 (Form :	1), MoE ± 4.5 7	
"Online shopping" N=7 12/9-13/09	'25 (Form 2), MoE ±	4.5 15	24	8	
"Social networking sit 12/9-13/09	tes such as Fa 35	<b>cebook"</b> N=725 (	Form 2), MoE ± 4.5 31	12	
"Internet blogs" N=725 12/9-13/09	(Form 2), MoE ± 4.	21	36	14	

## Google Česká republika



25th Anniversary of the Velvet Revolution Nov 17, 2014

I'm Feeling Lucky

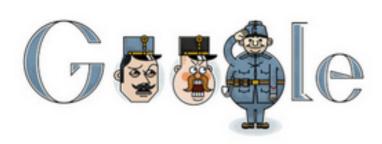
Google.cz offered in: čeština



World Cup Czech Republic 2006 Jun 9, 2006



Božena Němcová's Birthday Feb 4, 2009



Jaroslav Hasek's 130th Birthday (CZ) Apr 30, 2013



230th anniversary of Prague's existence as a single capital city
Feb 12, 2014







# You Tube

by Google

8+



#### List of mergers and acquisitions by Google

From Wikipedia, the free encyclopedia

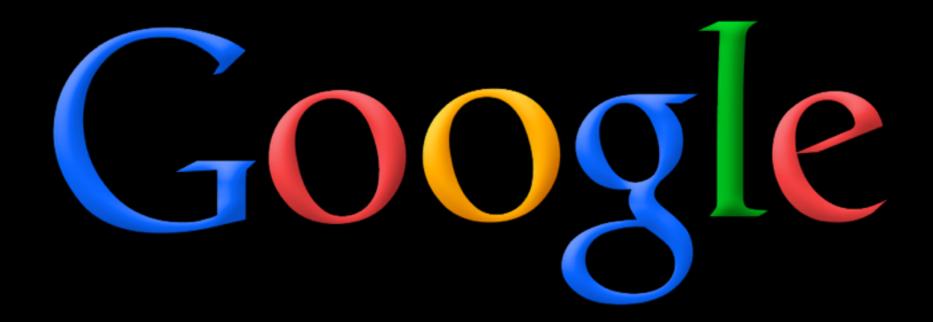
This incomplete list is frequently updated to include new information.

http://en.wikipedia.org/
wiki/
List\_of\_mergers\_and\_a
cquisitions\_by\_Google

158	June 20, 2014	Dropcam	Home Monitoring	<b>■■</b> USA
159	June 25, 2014	Appurify	Mobile Device Cloud, Testing Services	■■ USA
160	July 1, 2014	Songza	Music streaming	■■ USA
161	July 23, 2014	drawElements	Graphics compatibility testing	<b>∓</b> FIN
162	August 6, 2014	Emu	IM client	
163	August 6, 2014	Director	Mobile video	■■ USA
164	August 17, 2014	Jetpac	Artificial intelligence, image recognition	USA
165	August 23, 2014	Gecko Design	Design	■■ USA
166	August 26, 2014	Zync Render	Visual Effects Rendering	■■ USA
167	September 10, 2014	Lift Labs	Liftware	■■ USA
168	September 11, 2014	Polar	Social Polling	■ USA
169	October 21, 2014	Firebase	Data Synchronization	USA
170	October 23, 2014	Dark Blue Labs	Artificial Intelligence	<b>≣</b> UK
171	October 23, 2014	Vision Factory	Artificial Intelligence	<b>E</b> UK
172	October 24, 2014	Revolv	Home Automation	■■ USA
173	November 19, 2014	RelativeWave	App Development	■■ USA
174	December 17, 2014	Vidmaker	Video Editing	USA
175	February 4, 2015	Launchpad Toys	Child-friendly apps	■■ USA
176	February 8, 2015	Odysee	Photo/video sharing & storage	■■ USA
177	February 23, 2015	Softcard	Mobile payments	■■ USA
178	February 24, 2015	Red Hot Labs	App advertising and discovery	■■ USA
179	April 16, 2015	Thrive Audio	Surround sound technology	■ ■ IRE
180	April 16, 2015	Tilt Brush	3D Painting	■ USA
181	May 4, 2015	Timeful	Mobile software	■ USA
182	July 21, 2015	Pixate	Prototyping and Design	■ USA
183	September 30, 2015	Jibe Mobile	Mobile Cloud Communications	■ USA
184	June 18, 2015	Agawi	Mobile Cloud Communications	■ USA
185	October 17, 2015	Digisfera	360° photography	POR
186	November 11, 2015	Fly Labs	Video Editing	■■ USA
187	December 1, 2015	Parrot	Drone maker	USA



- "Google affects three large areas of human concern and conduct" (Vaidhyanathan 2).
  - us (personal information, habits, opinions, and judgments)
  - "the world" (surveillance, "infrastructural imperialism")
  - knowledge (use of books, online databases, the Web)



# Google's brilliant innovations:

1. search algorithm



Web Images Videos Books News More - Search tools

About 390,000,000 results (0.32 seconds)

#### Meaning of life - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Meaning\_of\_life \* Wikipedia \*

The **meaning of life** is a philosophical and spiritual question concerning the significance of **life** or existence in general.

Vale of tears - Monty Python's The Meaning - Meaning of life (disambiguation)

#### What does the Bible say is the meaning and purpose of life ... carm.org/meaning-of-life \*

According to the Bible, the meaning and purpose of life is to glorify God and enjoy him forever, Isaiah 43:7.

You recently searched for god.

#### The Meaning of Life - The Fun Homepage of Kurt Welton

www.psalm40.org/godswill.html \*

WHAT IS THE **MEANING OF LIFE**? "Why did **God** make you?" The Baltimore Catechism says the answer is: "**God** made me to know him, to love him, and to ...

#### The Meaning of Life (1983) - IMDb

www.imdb.com/title/tt0085959/ Thternet Movie Database

\*\*\*\* Rating: 7.6/10 - 65,891 votes

The comedy team takes a look at life in all its stages in their own uniquely silly way. ...

The **Meaning of Life** — Monty Python takes a witty British look at Life and ...

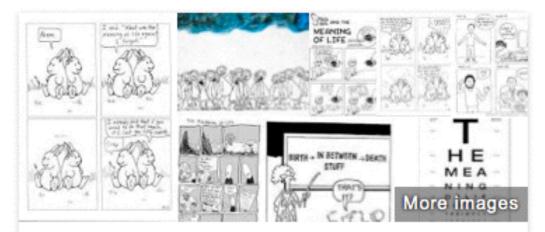
#### Quotes About Meaning Of Life (312 quotes) - Goodreads

www.goodreads.com/quotes/tag/meaning-of-life Goodreads 
312 quotes have been tagged as meaning-of-life: Albert Camus: You will never be happy if you continue to search for what happiness consists of. You will...

#### What is the meaning of life? - GotQuestions.org

www.gotquestions.org/meaning-of-life.html \*

Real meaning in life is not found only in accepting Jesus as Savior, as wonderful as that is. Rather, real meaning in life is when one begins to follow Christ as His ...



#### Meaning of life

The meaning of life is a philosophical and spiritual question concerning the significance of life or existence in general. Wikipedia

Feedback

#### See results about

Monty Python's The Meaning of Life (1983 Film)

Release date: March 31, 1983 (USA)

Director: Terry Gilliam



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#### God - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/God -

God is often conceived as the Supreme Being and principal object of faith. In theism, God is the creator and sustainer of the universe. In deism, God is the creator ...

Existence of God - God in Christianity - God (disambiguation) - Supreme Being

#### God.com

www.god.com/ \*

The following site offers information about **God** and direction in finding Him. There are over six billion people in this world and each person has his or her own ...

#### God | Facebook

https://www.facebook.com/TheGoodLordAbove -

God. 1142436 likes · 883468 talking about this. "The best page in the history of Facebook." - Albert Einstein.

#### God (god) on Twitter

https://twitter.com/god -

The latest from God (@god). Hells yeah, it's me!. heaven.

#### Images for god - Report images











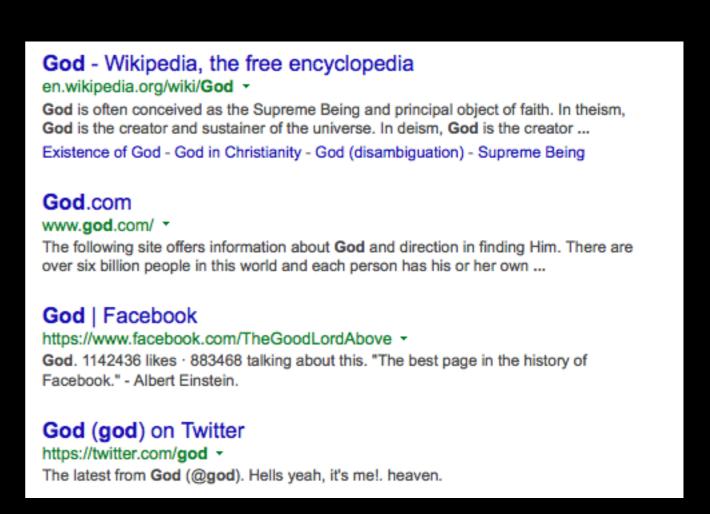
#### God - Definition and More from the Free Merriam-Webster Di...

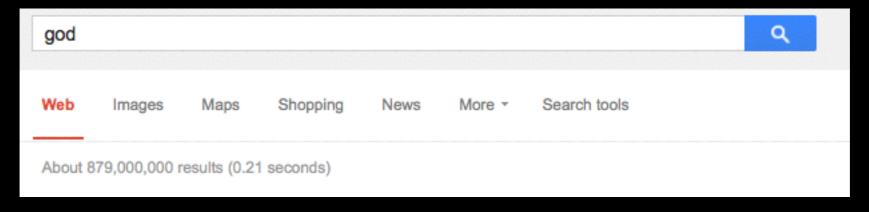
www.merriam-webster.com/dictionary/god •

God: the perfect and all-powerful spirit or being that is worshipped especially by Christians, Jews, and Muslims as the one who created and rules the universe.

# "precise comprehensiveness"

## linear pattern of display

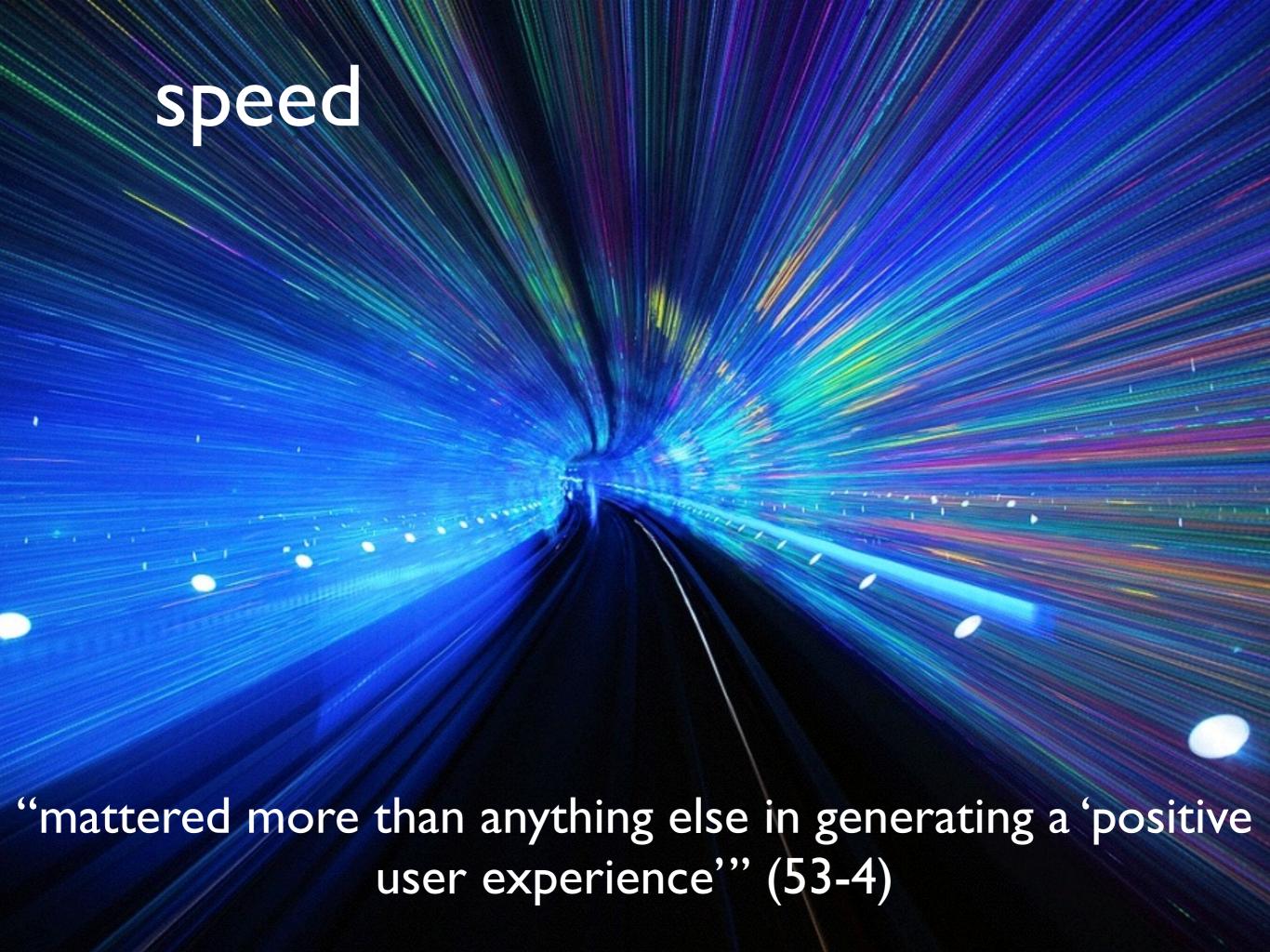






synergy between Google and Wikipedia

presumption of neutrality presumption of relevance

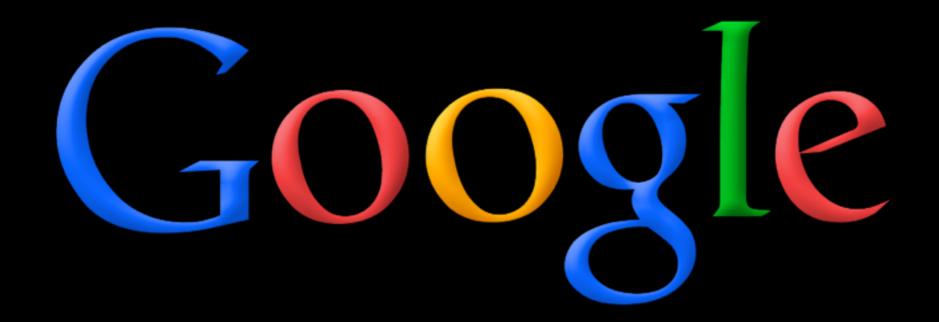




## 2008 Keynote Speech:

"Users really care about speed. They respond to speed. As the web gets faster, as Google gets faster, people search more."

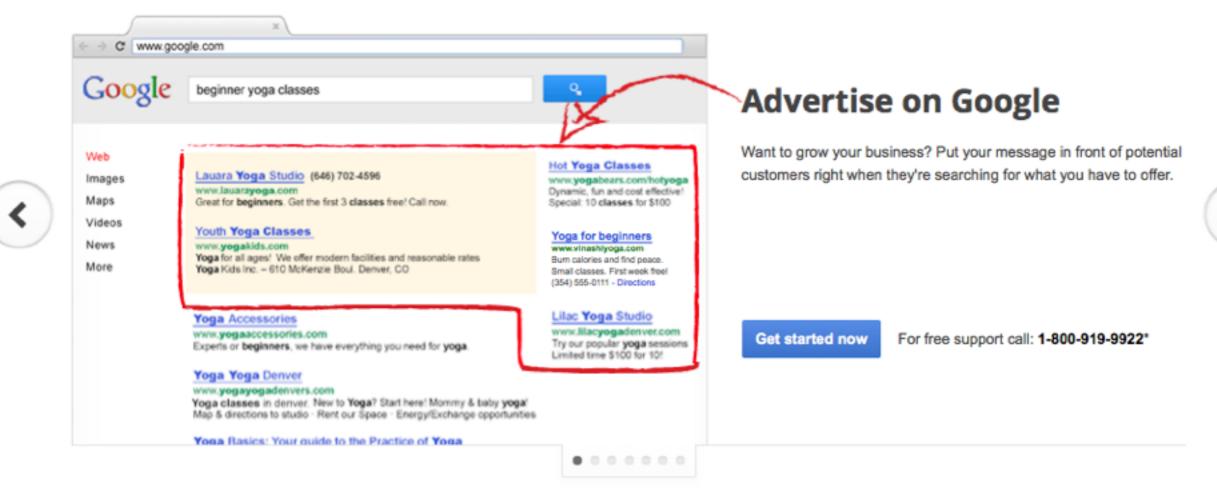
(Meyer, quoted in Vaidhyanathan, 54).



# Google's brilliant innovations:

- I. search algorithm
- 2. auction system for placing ads

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#### Baťa.cz - obuv a doplňky

Images

Ad www.bata.cz/ ▼

Doprava zdarma od 499,- Kč. Nákup lze vyměnit č Prodejny Baťa - Akční nabídka - Jak nakupovat? -

#### Skvělá obuv z bonprix - Bonprix.cz

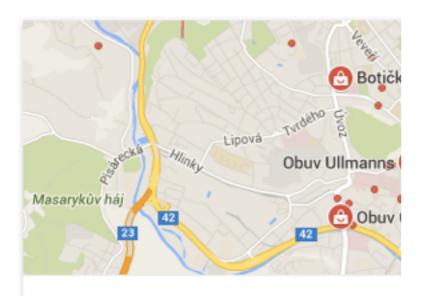
Mi www.bonprix.cz/obuv ▼

Pánské i dámské boty do každého počasí. Vyberte Pánské tenisky - Lodičky - Dámské kozačky - Páns

#### Obuv Dámská Nejlevněji - Rozbalen

Ad www.rozbaleno.cz/ >

U nás rozhoduje cena, ne obal! Boty za super ceny 100 % zboží skladem · Slevy až 80 % · Garance n



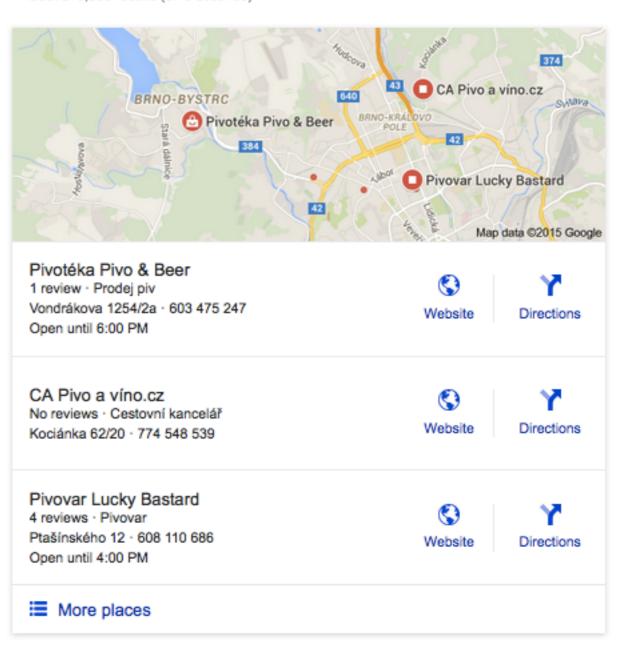
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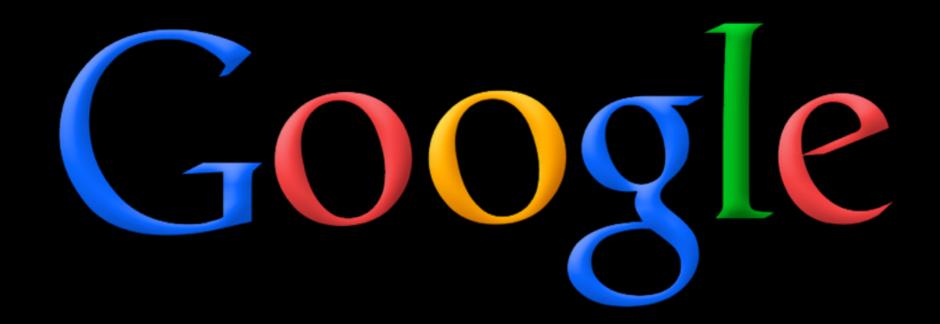
Shopping



#### Nejlepší brněnské hospody - Poznej Brno

poznejbrno.cz/hospody/ ▼ Translate this page

V Poutníkovi a na Boženě se nesmíte leknout toho, že vám obsluha tyká, nosí pivo bez ptaní, urazí se, když chcete něco jiného než pivo, anebo vás donutí ...



# Google's brilliant innovations:

- I. search algorithm
- 2. auction system for placing ads
- 3. responsiveness to user needs/desires

# results: 2014 search in Berkeley, CA



media studies

Books

Videos

News

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Search tools

**(II)** 

About 198,000,000 results (0.59 seconds)

#### Media Studies Grad Degree - newschool.edu

Ad www.newschool.edu/ (212) 229-5150

**Images** 

The New School Offers Media Theory & Management in NYC and Online.

Innovative degrees · 8:1 student-faculty ratio · Merit-based scholarships

The New School has 1,681 followers on Google+

What You'll Learn - Earn Your Degree Online - FAQ - How to Apply

#### Media Studies - Letters & Science - UC Berkeley

mediastudies.ugis.berkeley.edu/ ~

Media Studies Undergraduate Major at UC Berkeley - Administered by the Office of Undergraduate and Interdisciplinary Studies.

#### Media studies - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Media\_studies \* Wikipedia \*

Media studies is a discipline and field of study that deals with the content, history and effects of various media; in particular, the "mass media". Media studies may ...

#### Media Studies - University of San Francisco (USF)

www.usfca.edu/artsci/ms/ University of San Francisco \*\*

USF's Department of **Media Studies** offers students a liberal arts-based program in media analysis and media production. Combining theory and practice, ...

#### Catalog: Media Studies - Requirements - University of San ...

www.usfca.edu/catalog/artsci/ms/major/ 
University of San Francisco
Learn about the requirements for a major in Media Studies at USF.

#### Berkeley Media Studies Group |

www.bmsg.org/ \*

In 2013, the town of Telluride, CO, proposed a penny-per-ounce tax on sugary drinks. In this report, we analyze what arguments were made for and against the ...

#### What to do with a degree in media studies - The Guardian

www.theguardian.com > Money > Graduate careers \* The Guardian \*
Apr 23, 2010 - A Mickey Mouse degree, or a means to understanding the cultural significance of Mickey Mouse? **Media studies** graduates often find ...



#### media studies

Q

Web Images Videos Books News More ▼ Search tools

About 196,000,000 results (0.45 seconds)

#### UK Media Courses - At the University of Northampton

M www.northampton.ac.uk/ \*

Places still available for Sept 16.

The University of Northampton has 5,282 followers on Google+

**Media studies** is a discipline and field of study that deals with the content, history and effects of various **media**; in particular, the mass **media**.

#### Media studies - Wikipedia, the free encyclopedia

https://en.wikipedia.org/wiki/Media studies



More about Media studies

Feedback

#### Media studies - Wikipedia, the free encyclopedia

https://en.wikipedia.org/wiki/Media studies \*

Media studies is a discipline and field of study that deals with the content, history and effects of various media; in particular, the mass media.

History - Media studies throughout the world - See also - References

#### New media studies - Wikipedia, the free encyclopedia

https://en.wikipedia.org/wiki/New media studies \*

New media studies is a fairly recent academic discipline that explores the intersections of computing, science, the humanities, and the visual and performing arts.

#### Images for media studies

Report images



### results: 2015 search in Brno, CZ

#### What can I do with my degree in media studies? | Prospects ...

www.prospects.ac.uk/options\_media\_studies.htm \*

Media studies graduates typically enter careers in the media, cultural and creative industries. Areas of work include television and radio, film and video, digital ...

#### Department of Media Studies |

mediastudies.virginia.edu/ \*

Focuses on the forms, institutions, and effects of media with particular emphasis on the mass media of the modern and contemporary period.

#### School of Media Studies | The New School in NYC

www.newschool.edu/public-engagement/school-of-media-studies/ ▼
Experience Matters. At The New School's School of Media Studies, the life and work experience you bring to the classroom matters to us, and the real-world ...

#### Media Studies - Letters & Science - UC Berkeley

mediastudies.ugis.berkeley.edu/ \*

Media Studies Undergraduate Major at UC Berkeley - Administered by the Office of Undergraduate and Interdisciplinary Studies.

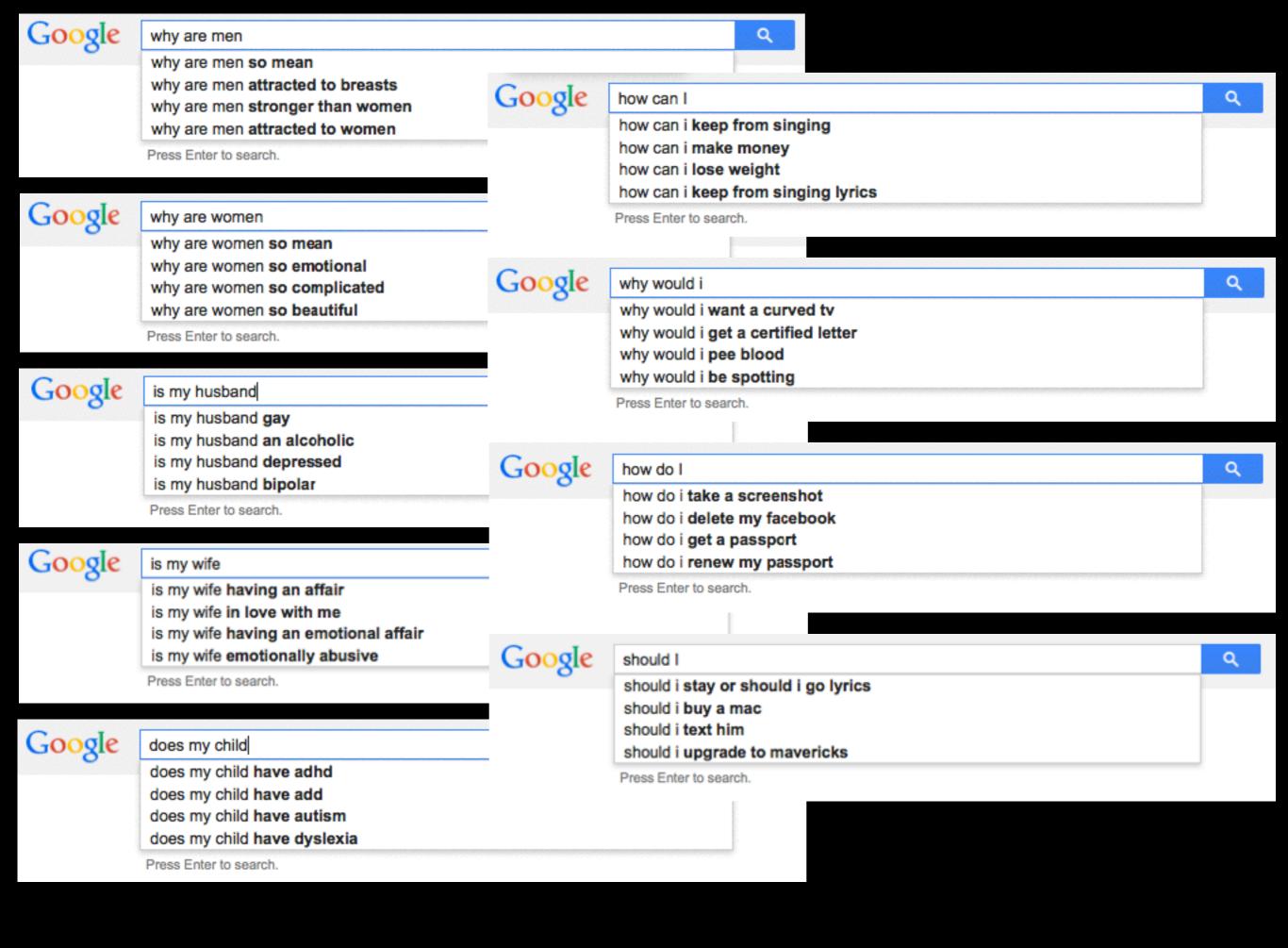
#### Media Studies and Journalism - Field of study

https://www.muni.cz/study/fields/239 \*

The study field Media Studies and Journalism (taught in Czech) provides students with basic knowledge from the theory and history of culture, mass ...

Standard length of studies: 3,0 years Type of study: bachelor's

Field of study code: 7202R004

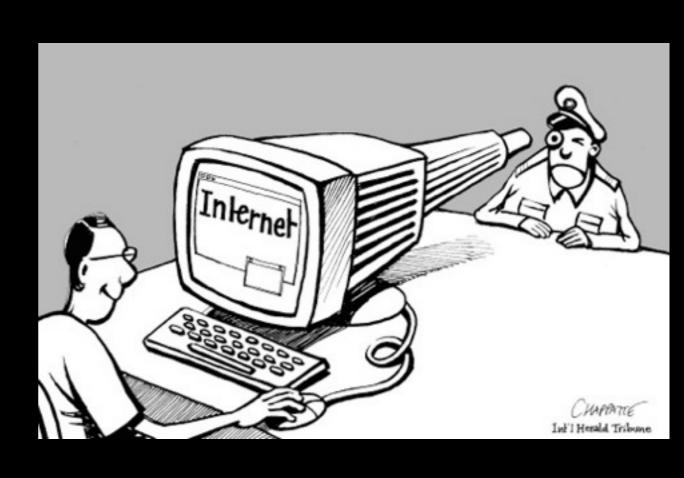


# Vaidhyanathan

The Googlization of Everything (2011)

"We are not Google's customers: we are its product" (3).

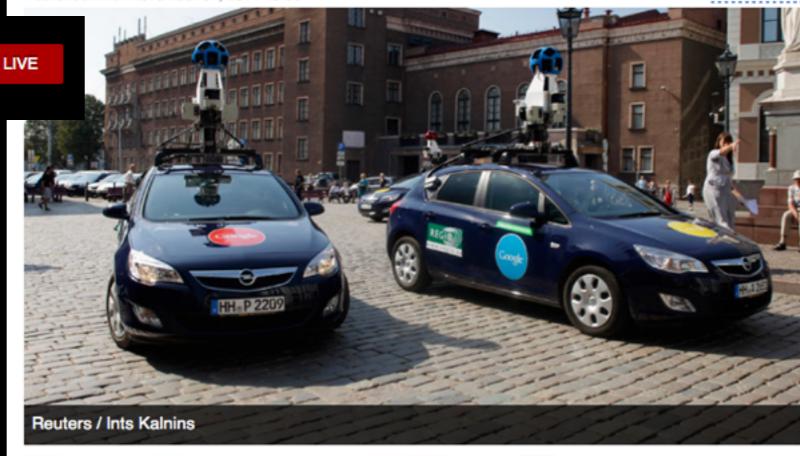
"We--our fancies, fetishes, predilections, and preferences--are what Google sells to advertisers. When we use Google to find out things on the Web, Google uses our web searches to find out things about us" (3).



#### Google fined \$2,000 for capturing Canadian's breasts on Street View

Published time: November 01, 2014 10:56

Get short URL



A Canadian woman has successfully sued Google for displaying her cleavage on Street View. The ruling stated her privacy had been disrespected – despite Maria Pia Grillo being in public, sitting on the steps of her house.

Tags
Accident, Canada, Conflict, Court, Human rights

http://rt.com/news/ 201435-womangoogle-streetbreasts/

QUESTION MORE.

"In addition to malicious comments and humiliation she suffered at work, the plaintiff, in particular, has experienced a significant loss of personal modesty and dignity," the judge Alain Breault declared.

Google hasn't commented on the ruling yet.

Initially, Grillo had demanded \$45,000 in damages, complaining about "mockeries, derisions, disrespectful and sexually related comments in relation to the photographs," due to the fact that she was identified using her house and car number plate, despite her face having been blurred.

# Google Has Gone 'Dark': The Search Giant Just Ended A Bunch Of Free Data And People Are Freaking Out



Late this month, Google went
"dark" in terms of providing
publishers with one of its major
sources of free information on
which words led people searching
in Google to click on their sites.
The move came as Google seeks to
reassure users following the
NSA/PRISM domestic
surveillance scandal.

Now, all Google search is securely encrypted, and web site owners can no longer look at Google Analytics to see exactly which words people use when searching Google to find their sites.

A lot of people who conduct marketing on the web are freaking out about it: Now, they complain they're basically flying blind.



Google founder Sergey Brin

#### See Also



The 10 Simplest Brands In The World (And Why They're Successful)

http://
www.businessinsider
.com/google-endedfree-organic-searchkeyworddata-2013-10



#### Google Analytics Turns 10 Years Old

Nov 13, 2015 • 7:45 am | == (0)

by Barry Schwartz 3 | Filed Under Web Analytics - Tracking & Conversion Measurements



Google announced on their blog yesterday that Google Analytics turned 10 years old. Yep, Google relaunched Urchin, the awesome analytics software they purchased in March 2005 on November 13, 2005 (we covered it then).

Back in May of this year, we showed you a 10 year reunion picture of the old Urchin team when they came back to visit Google.

It is just amazing to see how far analytics has come (of course, with the exception of taking away basic keyword data). All of this is for free, with the caveat of Google owning your data.:)

Google also posted a picture of a cupcake to celebrate:



https://www.seroundtable.com/google-analytics-10-years-21187.html

Topic: Big Data

Follow via: 🦠





# Look at what Google and Amazon are doing with databases: That's your future

**Summary:** It may seem unlikely that ordinary firms will ever be able to emulate the resource-rich web giants when it comes to data architectures. But that possibility may be closer than you think, says Neo Technology CEO Emil Eifrem.



By Toby Wolpe | November 3, 2014 -- 11:33 GMT (03:33 PST)

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With their thousands of software engineers, huge resources and myriad databases, the Googles, Amazons and Facebooks may seem to inhabit an alternative IT universe.

But what the big web services firms are doing today with data volumes and data types will soon be the common experience for many businesses, according to Neo Technology CEO Emil Eifrem.

Neo Technology is the company that developed the open-source Neo4j graph database, implemented in Java, which is used by businesses such as eBay and Walmart. Graph databases use nodes and the connections between them to describe networks and contexts.

"If you're interested in seeing the future of how data-oriented architectures are likely to evolve, the future is already here — just unevenly distributed," Eifrem said.



Emil Eifrem: The future is already here

– just unevenly distributed. Image: Neo

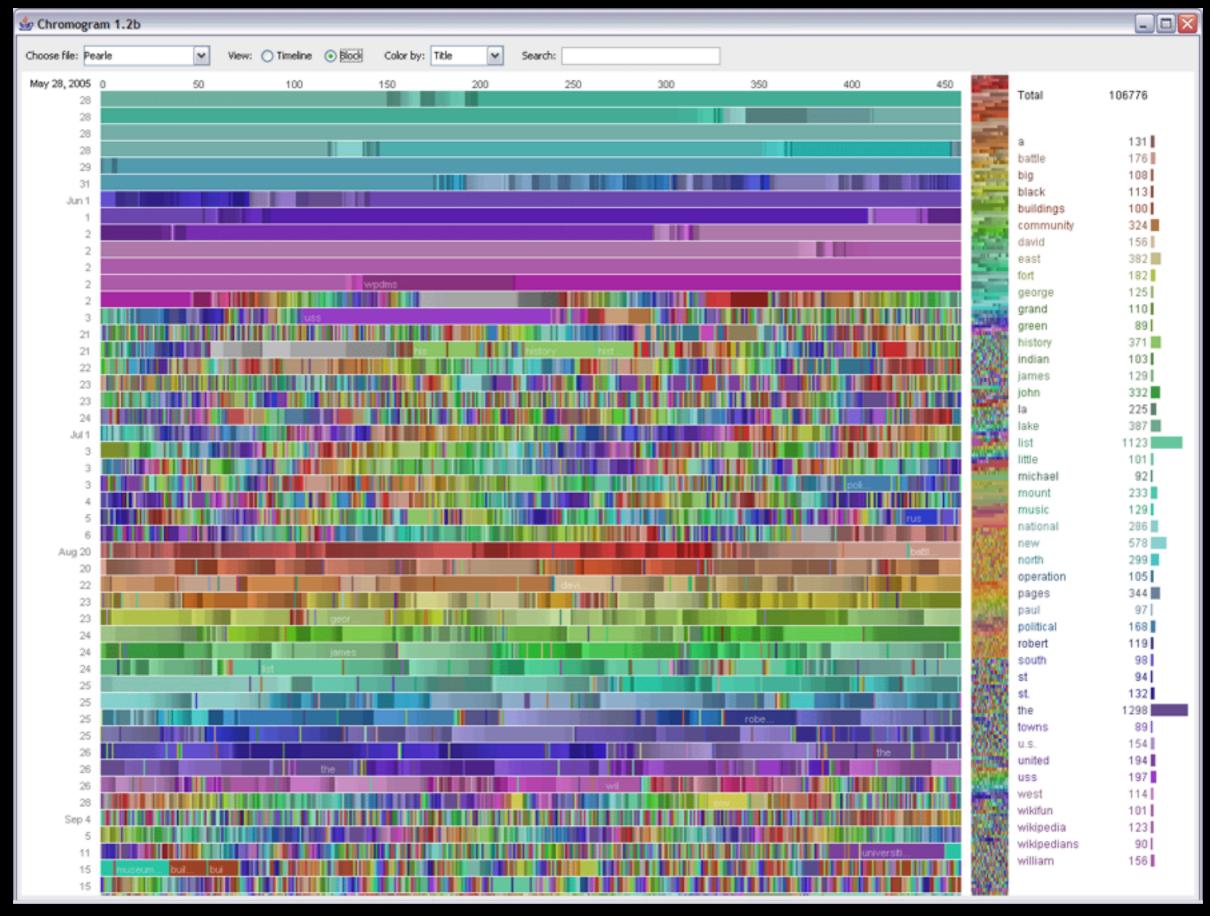
Technology

"What that means is if you look at some of the big web services — the Googles and the Amazons of the world — they are already today dealing with the volume and shape of data that everyone else will be working on in five years from now."

# big data

Big data is an all-encompassing term for any collection of data sets so large and complex that it becomes difficult to process using traditional data processing applications.

http://en.wikipedia.org/wiki/Big\_data



A visualization of Wikipedia edits created by IBM. At multiple terabytes in size, the text and images of Wikipedia are a classic example of big data.

www.wipro.com

# BIGODATA

Big Data is data that is too large, complex and dynamic for any conventional data tools to capture, store, manage and analyze.

The right use of Big Data allows analysts to spot trends and gives niche insights that help create value and innovation much faster than conventional methods. The "three V's", i.e the Volume, Variety and Velocity of the data coming in is what creates the challenge.

#### VOLUME !



Amount of Big Data stored across the world (in petabytes) 0

#### VARIETY



#### PEOPLE TO PEOPLE

NETIZENS, VIRTUAL COMMUNITIES, SOCIAL NETWORKS, WEB LOGS...



#### PEOPLE TO MACHINE

ARCHIVES, MEDICAL DEVICES, DIGITAL TV, E-COMMERCE, SMART CARDS, BANK CARDS, COMPUTERS, MOBILES...



#### MACHINE TO MACHINE

SENSORS, GPS DEVICES, BAR CODE SCANNERS, SURVEILLANCE CAMERAS, SCIENTIFIC RESEARCH...

#### VELOCITY



2.9 MILLION

EMAILS SENT EVERY SECOND



20 HOURS

OF VIDEO
UPLOADED TWE
EVERY MIN PER



TWEETS PER DAY

MILLION



Image: BBVAtech/Flickr

The Big Data phenomenon produces some mind-boggling statistics, such as the fact that the volume of global data produced doubles every two years. At the University of California at Berkeley, researchers found that, currently, five quintillion bytes of data are produced every two days, which is equal to all the information ever produced by every conversation that has ever taken place on the planet.



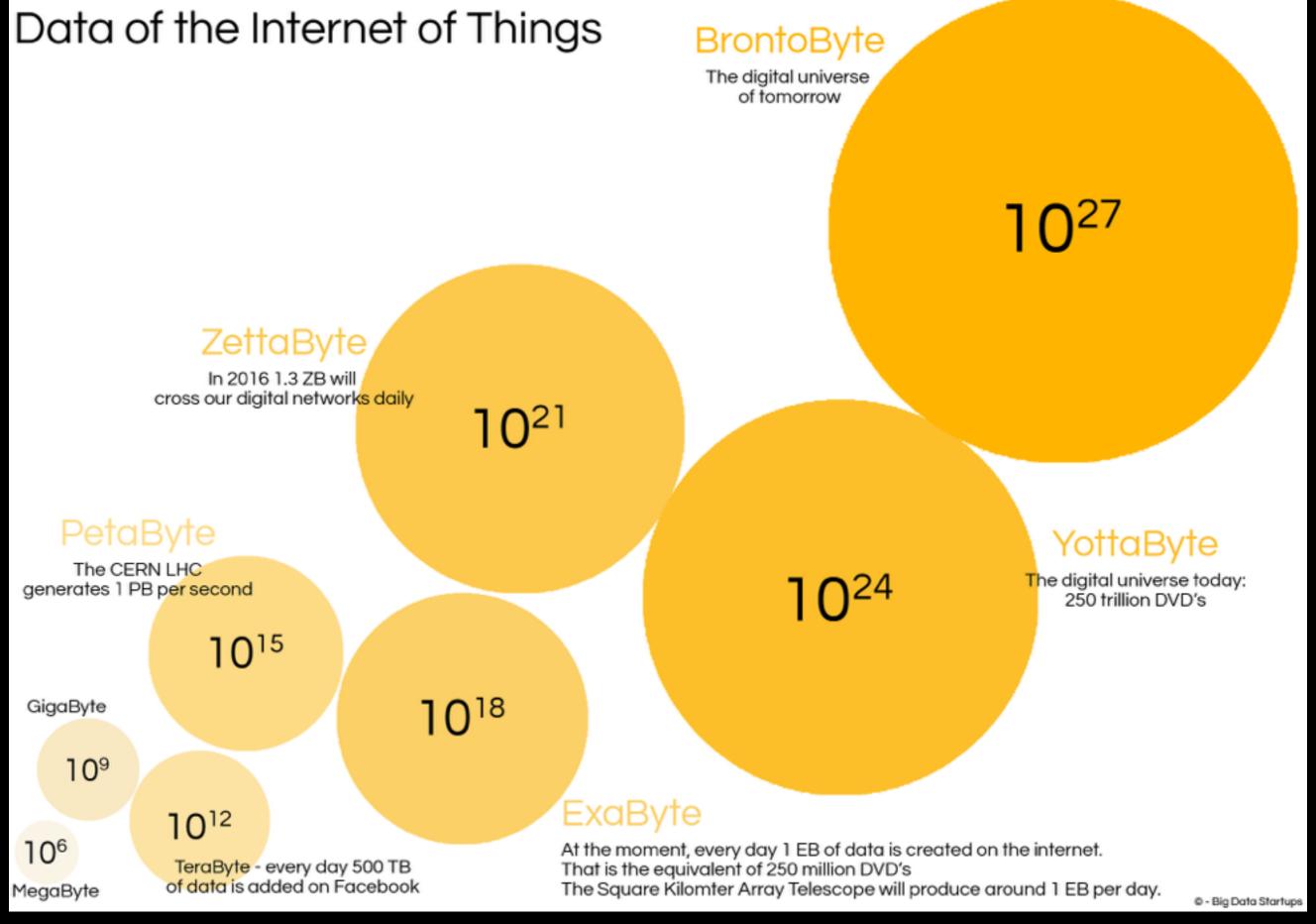
It's hard to imagine the amount of data being served over the Internet. From photos to videos to "tweets" - the amount of data being accessed from millions of users around the world has reached astronomical numbers.

How astronomical? We've illustrated a few examples comparing massive data storage numbers to tangible items.

kilo = thousand
mega = million
giga = billion
tera = trillion
peta = quadrillion
exa = quintillion
zetta = sextillion
yotta = septillion
[octillion]
[nonillion]
[decillion]



http://
www.visualinfor
mation.info/tag/
exabyte/



http://www.bigdata-startups.com/infographic/

# SO WHAT IS A PETABYTE ANYWAY?

Source – www.mozy.com

# WHAT IS A PETABYTE?

TO UNDERSTAND A PETABYTE WE MUST FIRST UNDERSTAND A GIGABYTE.

- 1 7 MINUTES OF HD-TV VIDEO
- 2 YARDS OF BOOKS SHELF
- 4.7 SIZE OF A STANDARD

THERE ARE A MILLION GIGABYTES IN A PETABYTE

"Let me repeat that: we create as much information in two days now as we did from the dawn of man through 2003." (That's something like 5 Exabytes of Data). - Eric Schmidt – Google 8/10

# A PETABYTE SALOTON DATA

• 20 FOUR-

20 MILLION

FOUR-DRAWER FILING CABINETS
FILLED WITH TEXT

PETABYTE

PETABYTE

**13.3 YEARS** 

OF HD-TV VIDEO

<u>1.5</u>

SIZE OF THE 10 BILLION

PHOTOS — FACEBOOK

15+

INTERNET USER'S DATA BACKED UP ON

MOZY.COM

20

THE AMOUNT OF DATA PER PROCESSED BY GOOGLE DAY

20

TOTAL HARD DRIVE SPACE 1995

50 PETABYTES

THE ENTIRE WRITTEN WORKS OF MANKIND, FROM THE BEGIN-NING OF RECORDED HISTORY, IN ALL LANGUAGES Twitter:

Over 7TB a Day in Tweets.

A ZETABYTE
IS
ONE
MILLION
PETABYTES!

#### Facebook:

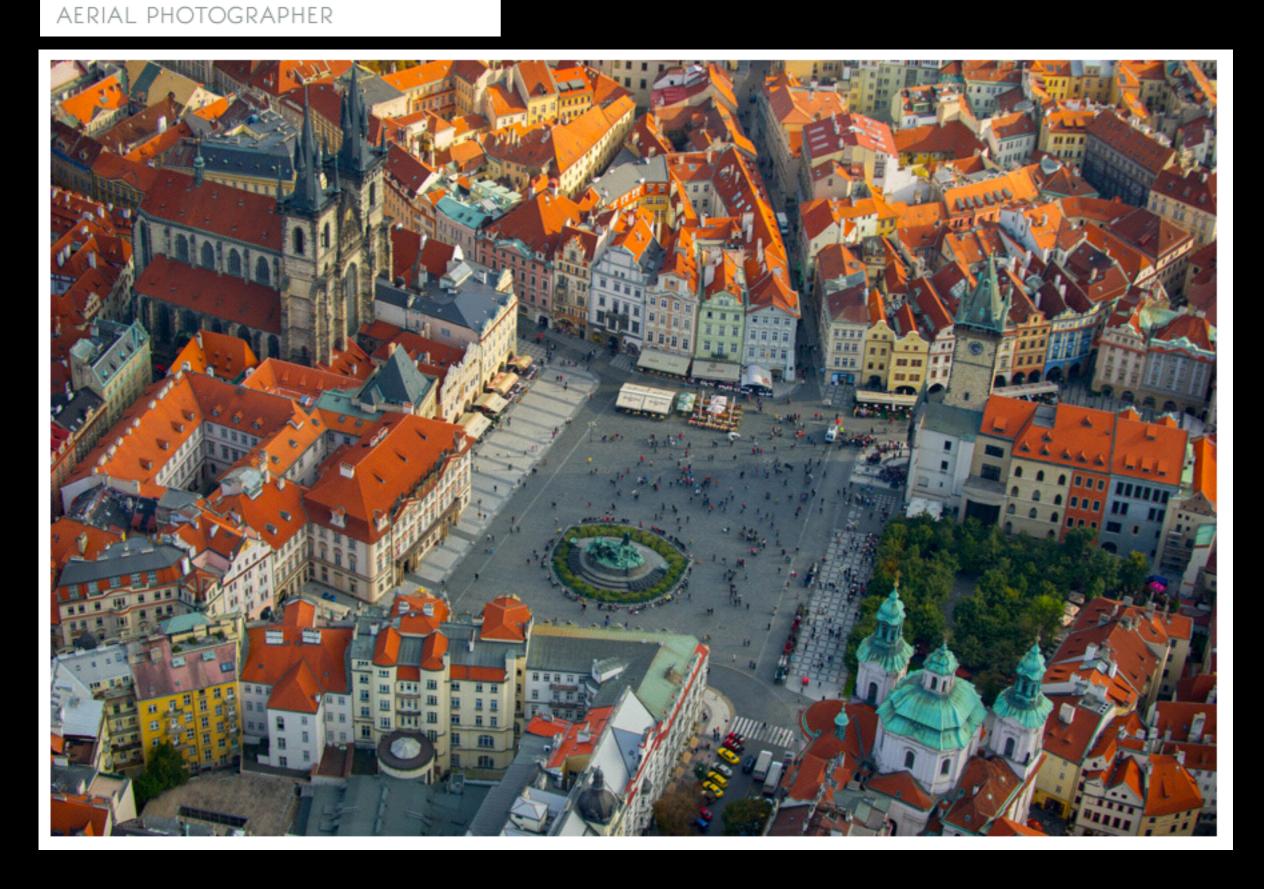
More that 750 Million Users.

Average user creates 90 Pieces of content each month.

More than 30B pieces of content shared each month.

http://www.coolinfographics.com/blog/2009/7/11/how-much-is-a-petabyte.html

# JASON HAWKES



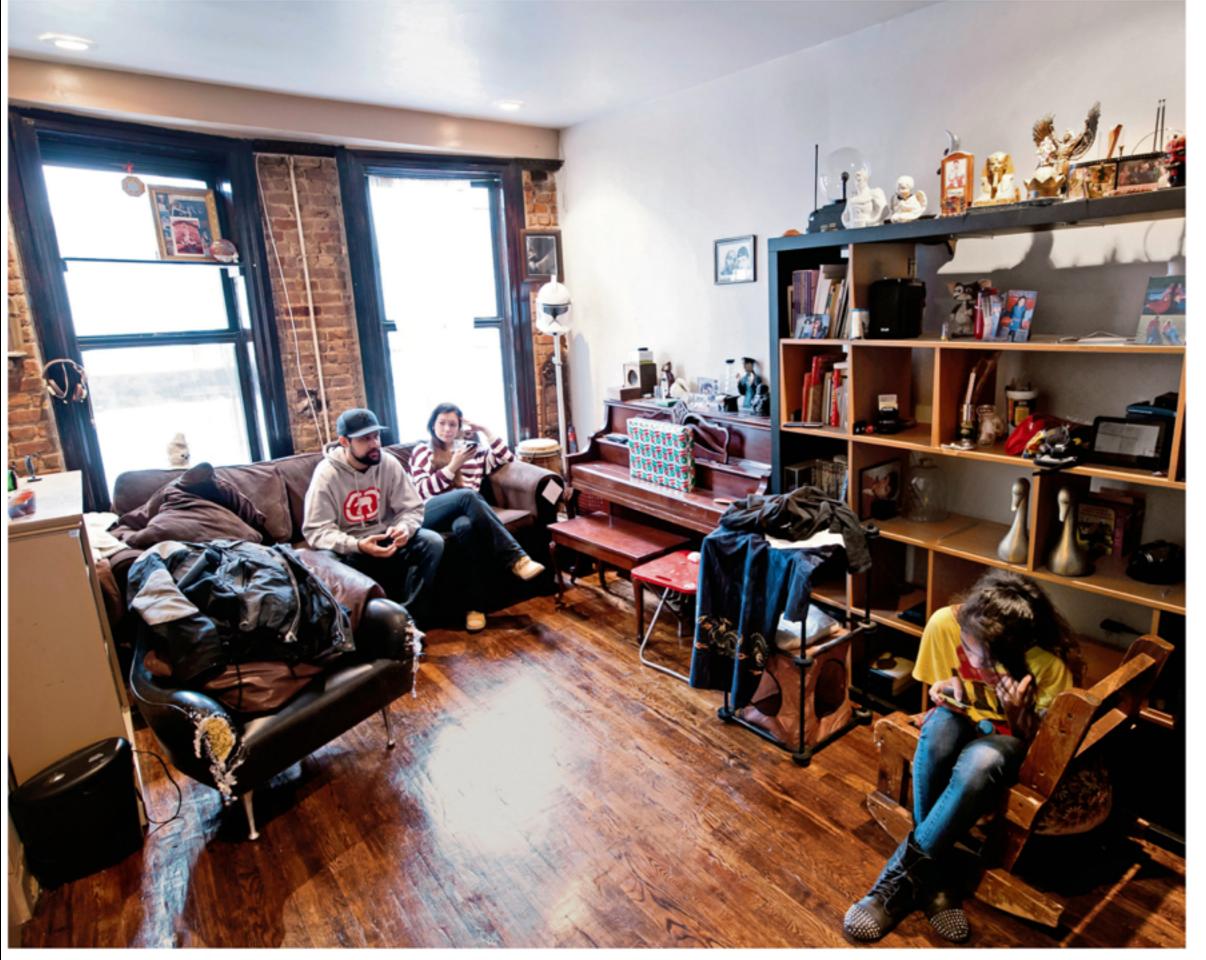
is a method of inquiry that aims to gather an in-depth understanding of human behavior and the reasons that govern such behavior.

http://
en.wikipedia.org/
wiki/
Qualitative\_research





http://trunkfulloftreasure.blogspot.com/2013/11/tiny-apartment-hong-kong.html



http://www.nytimes.com/2014/02/02/realestate/the-truly-affordable-new-york-apartment.html

The maintenance fee of the apartment where Mr. Torres lives with his family is \$545 a month. Karsten Monn for The

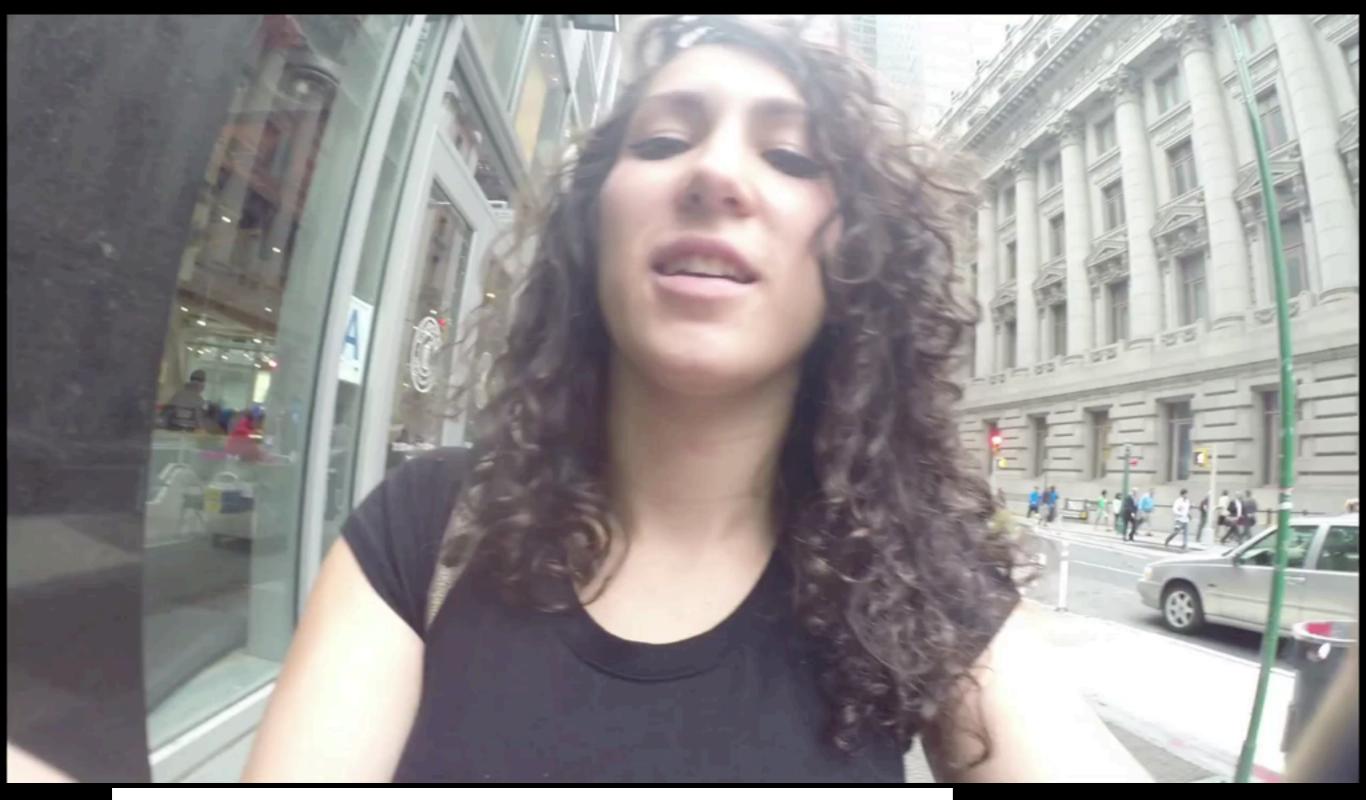


http://www.nytimes.com/2014/02/02/realestate/the-truly-affordable-new-york-apartment.html

Ella Leitner lives in the Seward Park Cooperative in downtown Manhattan with her husband, Brett, their shildren, Saaha, 6, and Zachary, 4, and their dog, Quincy. Kester Morae for The New York Tieses



http://beersandbeans.com/2011/11/04/living-like-a-local-with-roomorama-prague-edition/



#### 10 Hours of Walking in NYC as a Woman



Street HarassmentVideo





16,451,646





https://www.youtube.com/ watch? v=b1XGPvbWn0A&list=PLbpi6 ZahtOH7h9OULRIAVb4i8zo0ct wEr&index=6

### PollingReport.com

**AP-CNBC Poll** conducted by GfK Roper Public Affairs & Corporate Communications. May 3-7, 2012. N=1,004 adults nationwide. Margin of error  $\pm$  3.9.

"Do you, personally, have your own page on Facebook, the social networking website, or not?"

	Yes	No	Unsure	Refused	
	%	%	%	%	
5/3-7/12	56	40	3	1	

Asked of Facebook users:

"How much do you trust Facebook to keep your personal information private? Would you say you trust them completely, a lot, a moderate amount, only a little, or not at all?"

	%
Completely	6
A lot	7
A moderate amount	28
Only a little	29
Not at all	30
Unsure	1

http://www.pollingreport.com/computer.htm

## PollingReport.com

**AP-CNBC Poll** conducted by GfK Roper Public Affairs & Corporate Communications. May 3-7, 2012. N=1,004 adults nationwide. Margin of error  $\pm$  3.9.

"Now I'm going to ask you some questions about companies you may or may not have heard of. Please tell me if you have a favorable, unfavorable, or neither favorable nor unfavorable impression of [see below]?"

	Favorable %	Unfavorable %	Neither %	Never heard of (vol.) %	Unsure/ Refused %
Microsoft	,,	75	,,		,,
5/3-7/12	71	7	14	2	7
<b>Google</b> 5/3-7/12	71	8	12	3	6
<b>Apple</b> 5/3-7/12	71	8	13	2	7
<b>Facebook</b> 5/3-7/12	51	23	17	2	8
<b>Twitter</b> 5/3-7/12	27	27	28	4	15

<sup>&</sup>quot;Please tell me if you have a favorable, unfavorable, or neither favorable nor unfavorable impression of Facebook founder Mark Zuckerberg."

	Favorable	Unfavorable	Neither	Never heard of (vol.)	Unsure/ Refused
	%	%	%	%	%
5/3-7/12	36	14	30	9	12

## PollingReport.com

Pew Research Center Poll. Dec. 9-13, 2009. Adults nationwide.

"As I read a list of changes that have taken place, please tell me if you think each one has been a change for the better, a change for the worse, or hasn't made much difference. Has [see below] been a change for the better, a change for the worse, or hasn't this made much difference?"

	Change for the better %	Change for the worse %	Not much difference %	Unsure %	
"Cellphones" N=725 (For 12/9-13/09	m 2), MoE ± 4.5 69	14	11	5	
"Email" N=725 (Form 2), M 12/9-13/09	0E ± 4.5 65	7	19	9	
"The internet" N=779 (For 12/9-13/09	orm 1), MoE ± 4.5 65	16	11	8	
"Handheld devices su 12/9-13/09	ch as Blackber 56	rries and iPhon 25	1 <b>es"</b> N=779 (Form 1 12	1), MoE ± 4.5 7	
"Online shopping" N=7 12/9-13/09	25 (Form 2), MoE ± 54	4.5 15	24	8	
"Social networking sit 12/9-13/09	tes such as Fa	<b>cebook"</b> N=725 (	Form 2), MoE ± 4.5 31	12	
"Internet blogs" N=725 12/9-13/09	(Form 2), MoE ± 4.5	21	36	14	

## http://www.pollingreport.com/computer2.htm