Your Next Mobile Phone!

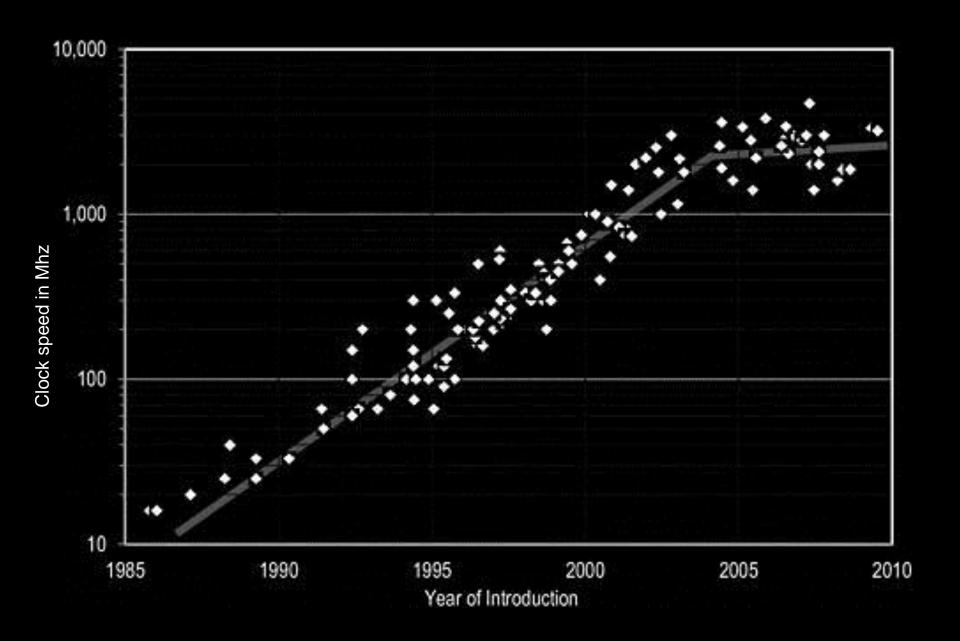


Once upon a time....









Accelerometer

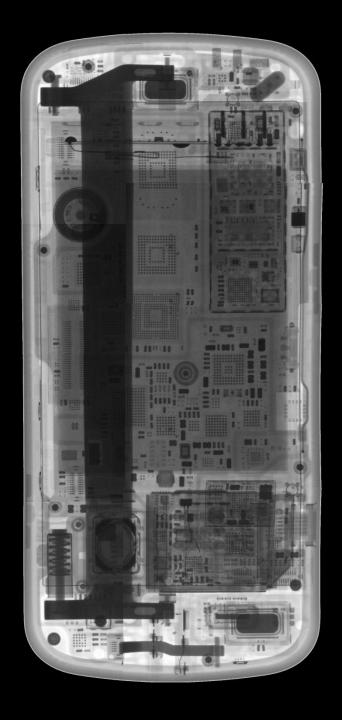
GPS

Magnetic field sensor (compass)

Gyroscope

Proximity sensor

Light sensor



Bluetooth

Wifi

NFC

CPU thermometer

Microphone

Camera

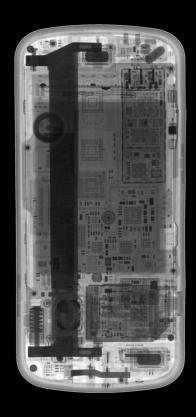
Touch screen



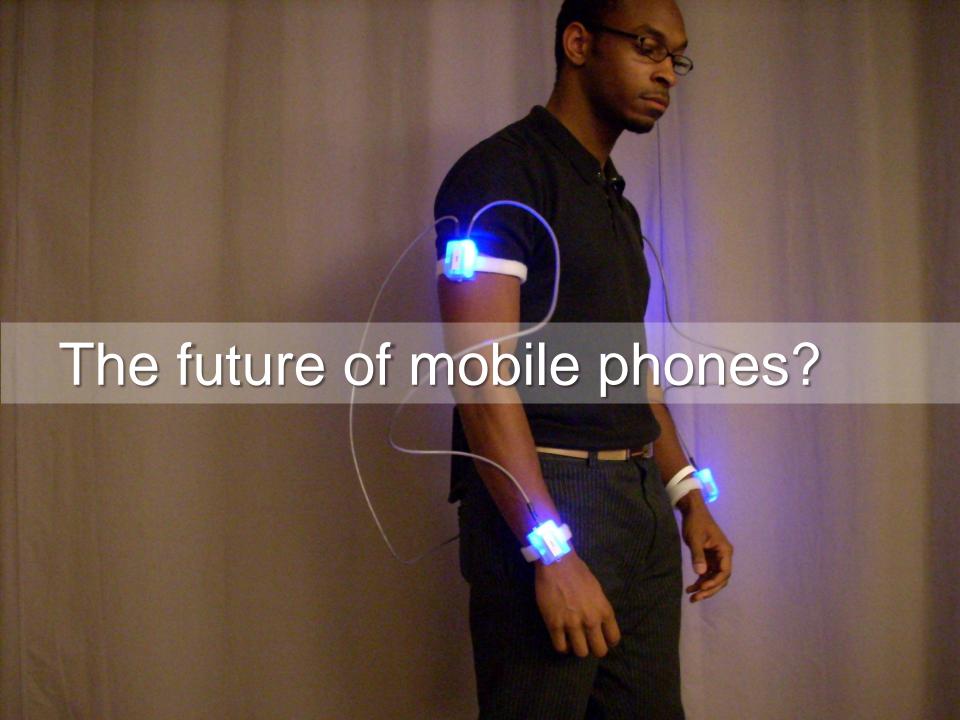




[Fahrni et al., 2011]







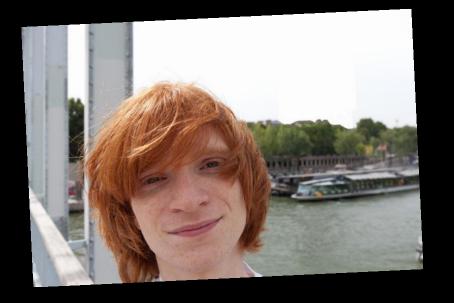


It's the software...















Monday



Monday



Monday



GPS logging Web 2.0 Hoontest GPS Thermal maps Data processing [Sommer, von Känel, W, 2011]

Tuesday









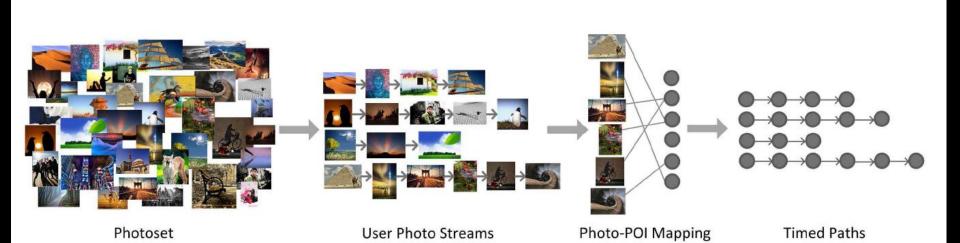
[Choudhury et al., 2010]







blue and white



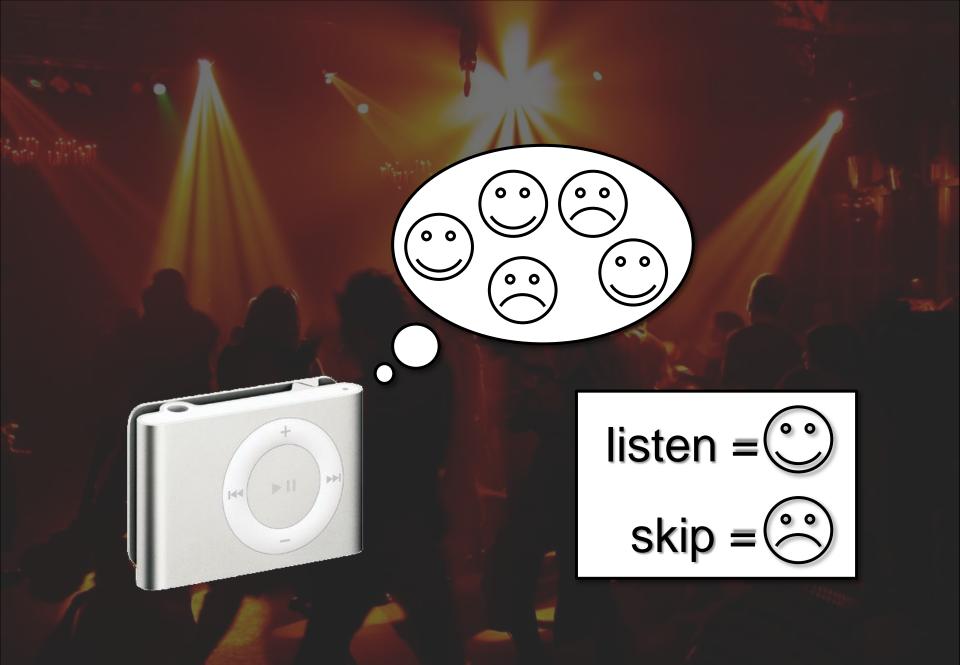




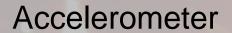








[Jukefox by Kuhn, W, Welten, 2010]







sitting =



Automatic DJ

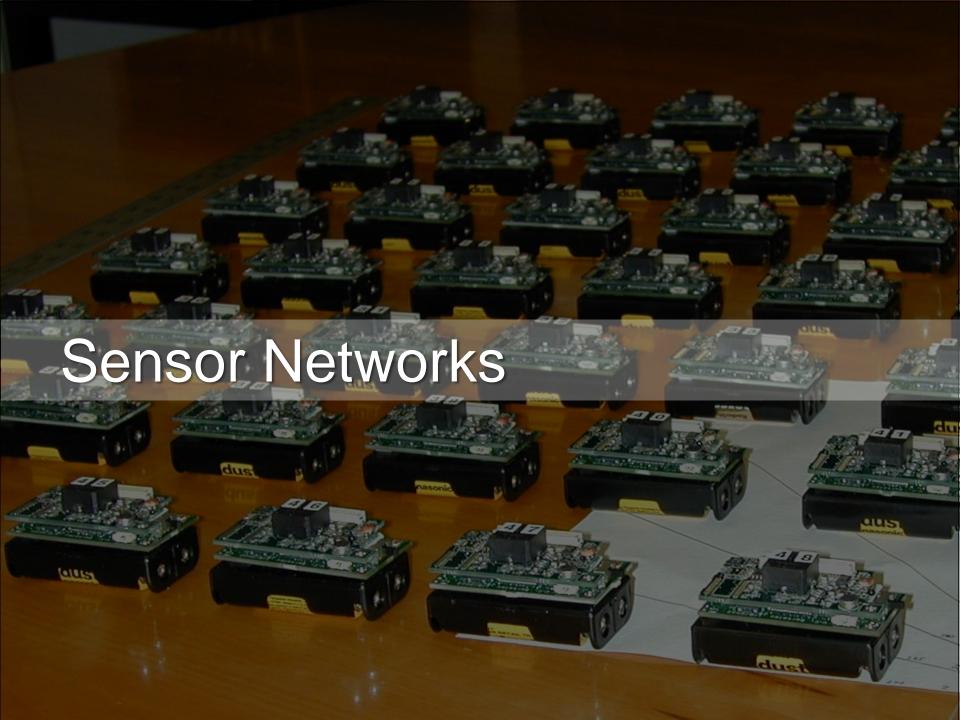
[Kuhn, Troester, W, Wirz, 2011]



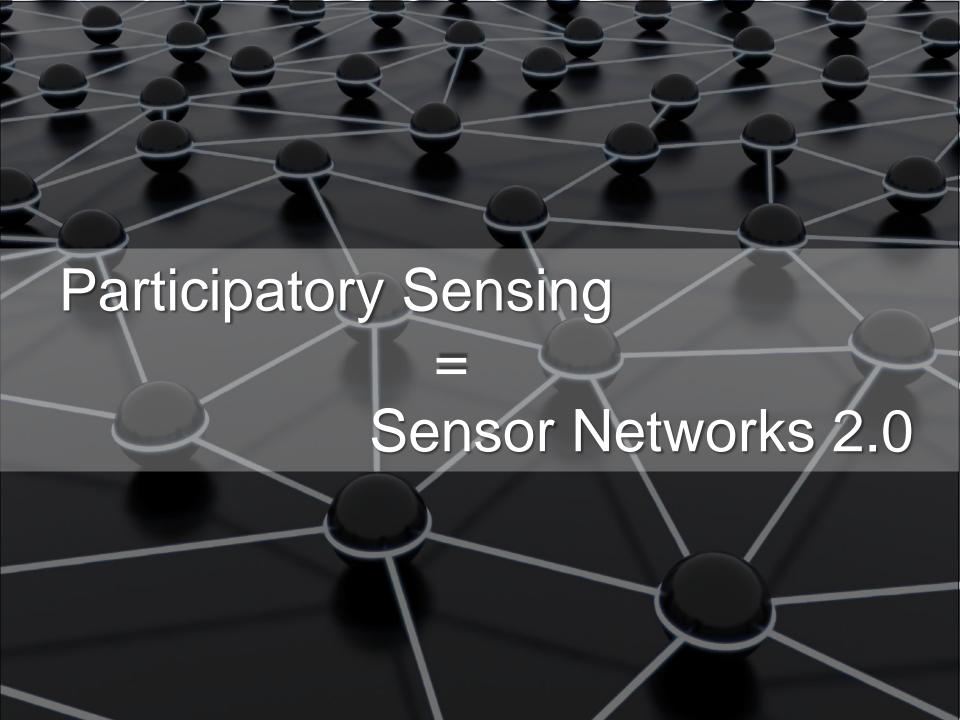




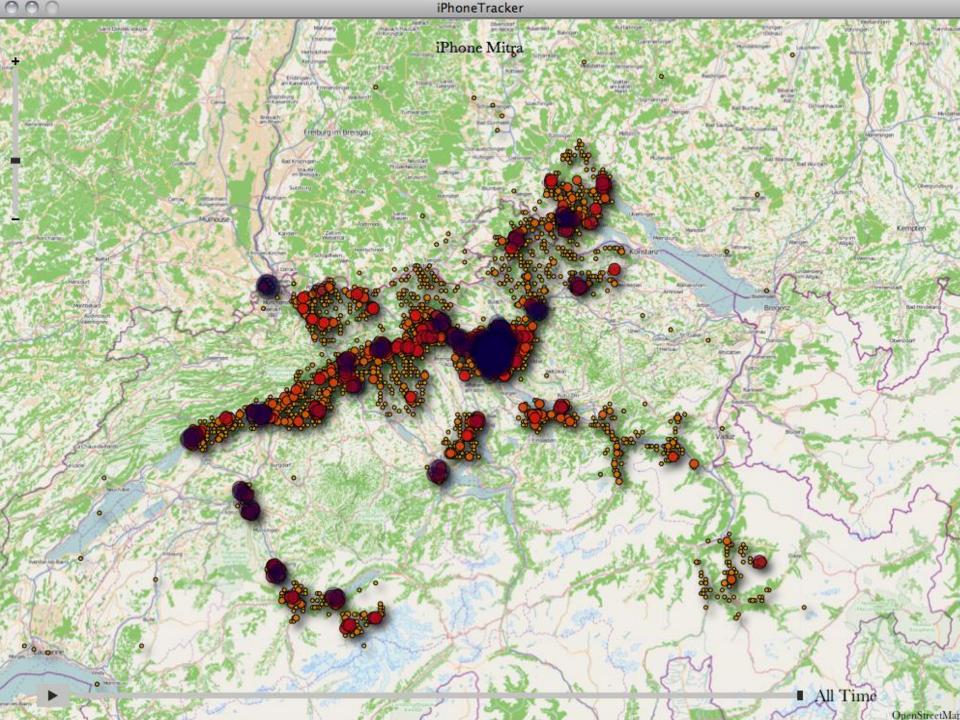








Are there privacy issues?





FILED UNDER Transportation, GPS

TomTom user data sold to Dutch police, used to determine ideal locations for speed traps

By Tim Stevens Dosted Apr 27th 2011 1:53PM



FEATURED BREAKING



PR 🔲

Nikon unveils S1200pj and AW100 cameras, we go handson

10 hours ago



Steve Jobs' Apple: a timeline 12 hours ago



Fujifilm FinePix XP30 hands-on: a week of underwater testing (video)

19 hours ago



Engadget's back to school guide 2011: bags and cases

20 hours ago



Exclusive: HTC Puccini in the wild, AT&T LTE support confirmed!

1 day ago







Q: What about privacy?
A: If you use a mobile phone...



Q: What about privacy?

A: Mobile phone providers...

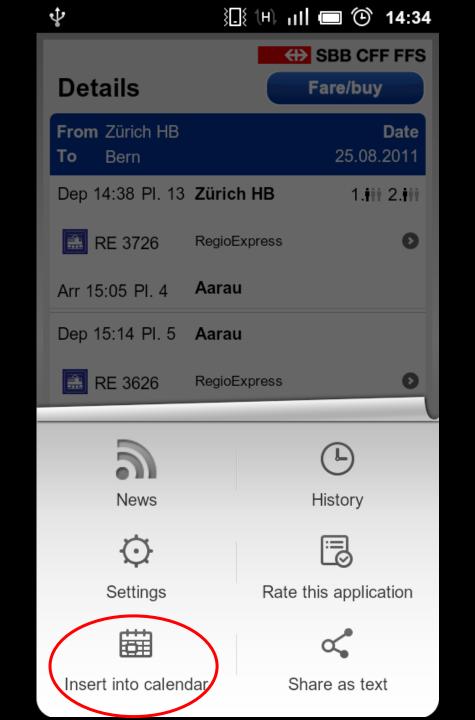
What can we do about it?





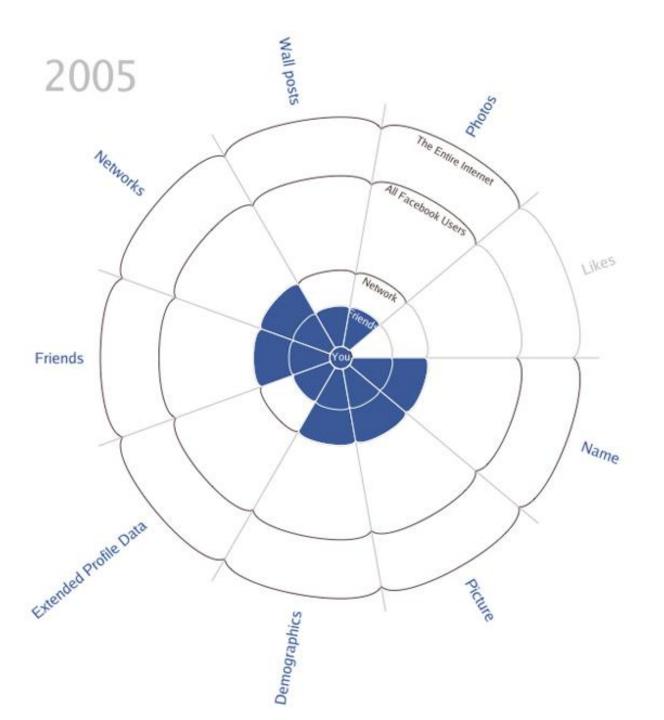
Allow this application to access:

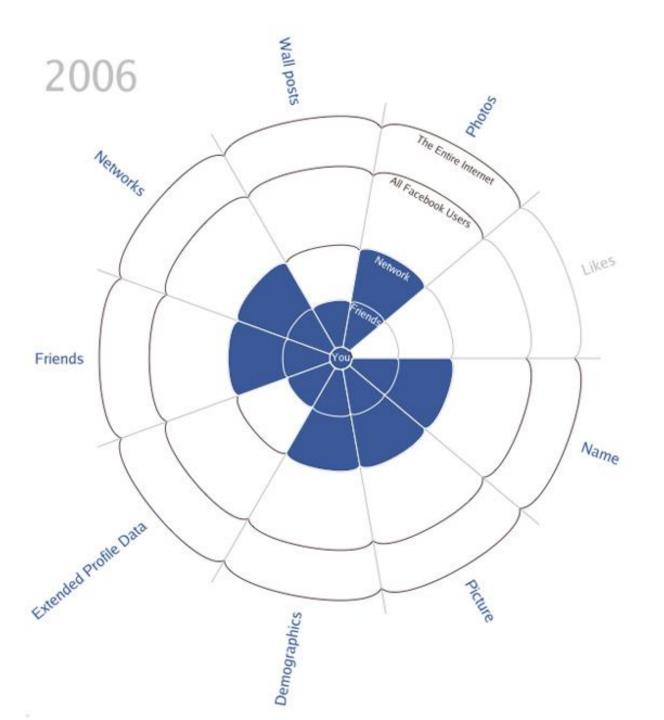
- ✓ Your location
 coarse (network-based) location, fine
 (GPS) location
- Network communication full Internet access
- ✓ Your personal information add or modify calendar events and send email to guests, read calendar events, read contact data

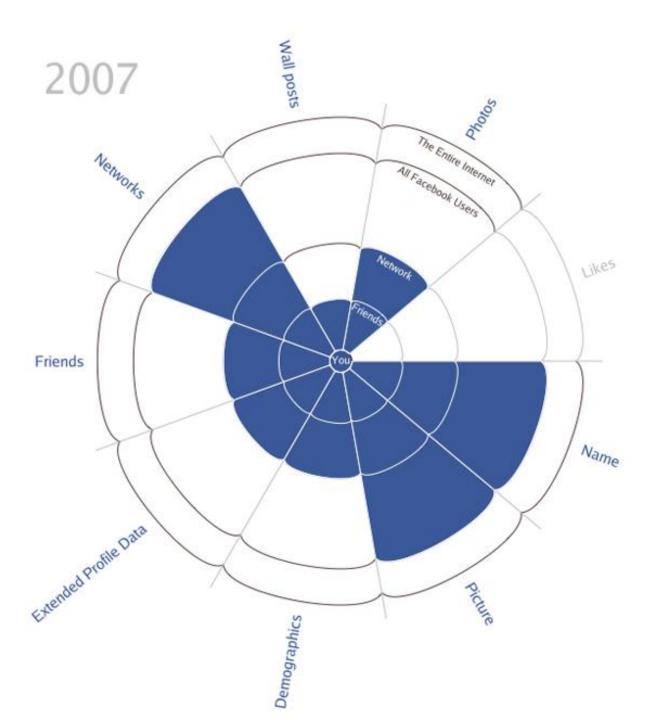


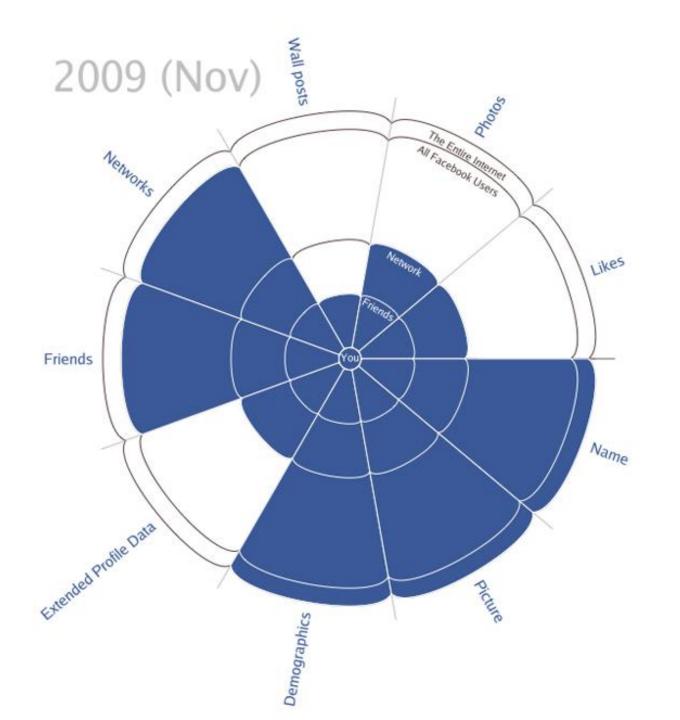


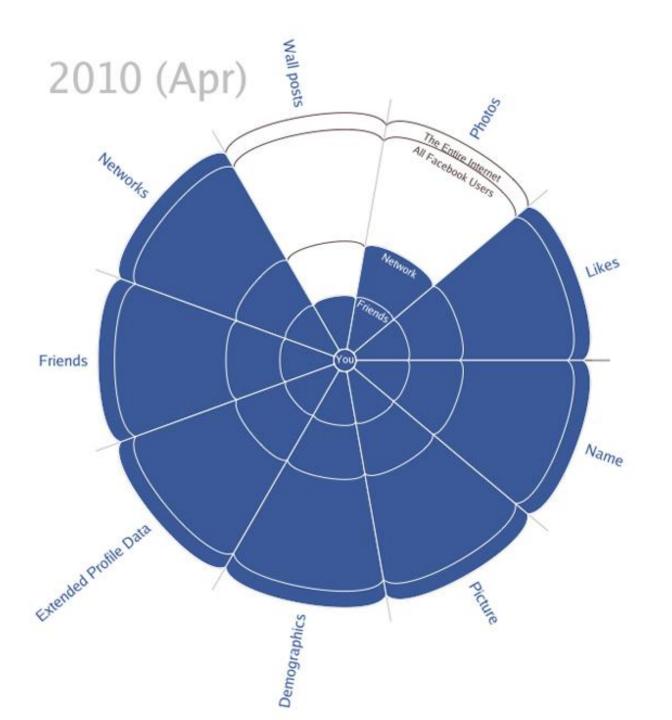














Facebook helps you connect and share with the people in your life. Whether you want to or not. Learn why this is bad!











Bekka Segraves I have a new cell phone number . As of august 24th this number will be deactivated. My new # is 1-989-590-3662

1 minute ago

Tell your friends

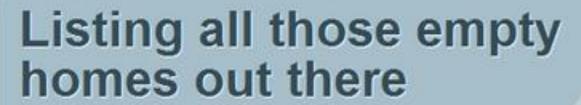


Terri Arbogast My new number is 4173279134

51 minutes ago



PLEASE ROB ME (X)



Also follow our twitter feed @pleaserobme



	_	-		
- 1	_		-	
-	_		-	

san francisco

Twitter username

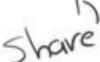
Show everything

Gol









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About

Made Possible By

Foursquare

Twitter



@kmlake left home and checked in 18 minutes ago: I'm at San Francisco International Airport (SFO) (SFO, Millbrae) w/ 24 others. http://4sq.com/MTivk



@sjn2010 left home and checked in 20 minutes ago:
I'm at Glen Park Station (2816 Diamond St, btw Bosworth & Chenery, San
Francisco). http://4sq.com/5T8U3i

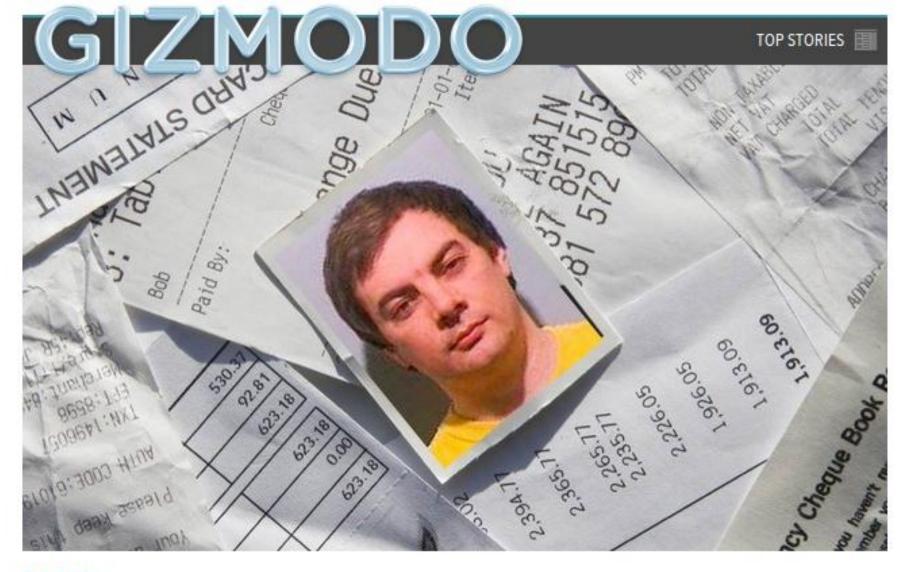


@BigToys left home and checked in 23 minutes ago: I'm at Badiands (4121 18th St, near Castro, San Francisco) w/ 2 others. http://4sq.com/13g8WM



@BigToys left home and checked in 26 minutes ago: I'm at Toad Hall (4146 18th St, at Castro, San Francisco). http://4sq.com/ /AxWZa

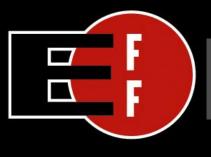




FACEBOOK

How To Steal \$57,000 From Your Neighbors Using Facebook (Like





Electronic Frontier Foundation

Google

Microsoft



240,000 appeals

Google Streetview Germany 2010 60,000 appeals

Microsoft
Streetside
Germany 2011



krak.dk

google.com











Thank You! Questions or Comments?



Slides by Michael Kuhn Roger Wattenhofer Samuel Welten "If you have something that you don't want anyone to know, maybe you shouldn't be doing it in the first place." - Eric Schmidt, Former CEO of Google

"You already have zero privacy. Get over it."

- Scott G. McNealy CEO of Sun Microsystems Inc

"Privacy means people know what they're signing up for, in plain English and repeatedly.... let them know precisely what you're going to do with their data.

- Steve Jobs, Former CEO of Apple

"They 'trust me' – Dumb fucks."

- Mark Zuckerberg CEO of Facebook

"I think instead we should have laws that protect the privacy of data, for example, from government requests and other kinds of requests."

Larry Page, Google Co-Founder