



THE REAL LIFE SOCIAL NETWORK

Hi everyone, thanks for coming.

@padday

So my name is Paul Adams and I work in the UX team at Google. I'm the user research lead for social, and work on things like Buzz and YouTube. I spend a lot of my time doing research with people on how they use social media. I sit down with people, and have them map out their social network for me, and we look at how they use tools like email, Facebook, Twitter, their phone, and so on. One of the things we talk about is the differences between their social network online, and their social network offline. Today, I'm going to talk about some of the things we've learned over the past few years, what it means for the future of the web, and some tips for design.

Before I get down into some detail about social networks, I want to start by telling you a story from our research.

Debbie

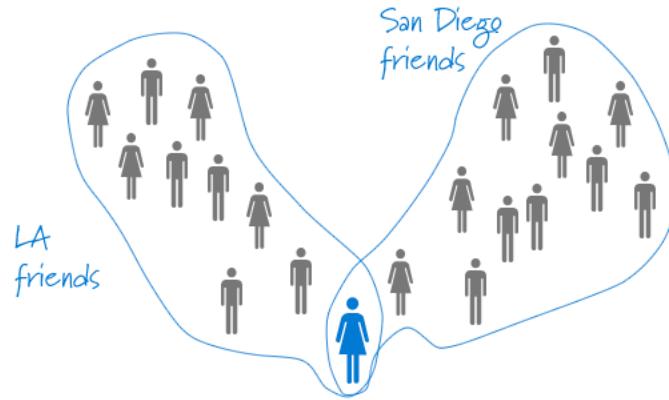


I want to start by telling you a story about Debbie, a girl we did research with. Debbie has lots of different groups in her life.

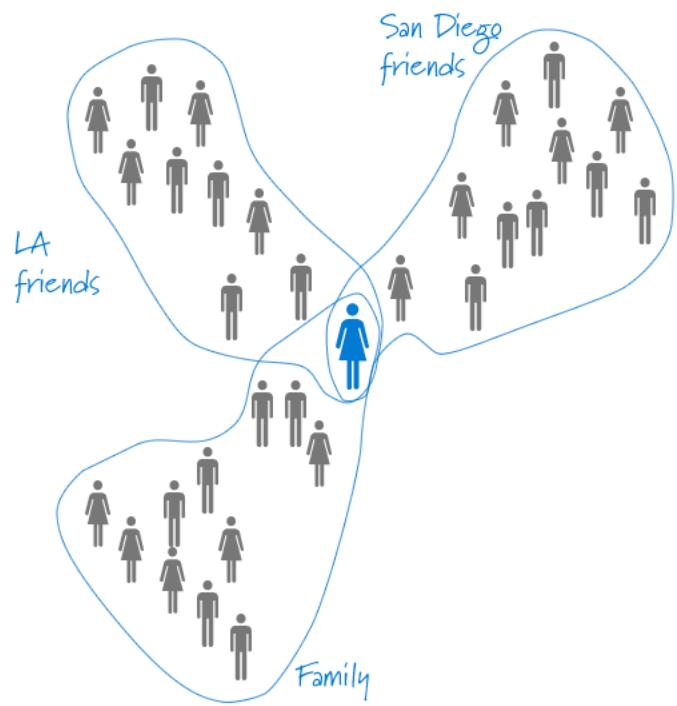


LA
friends

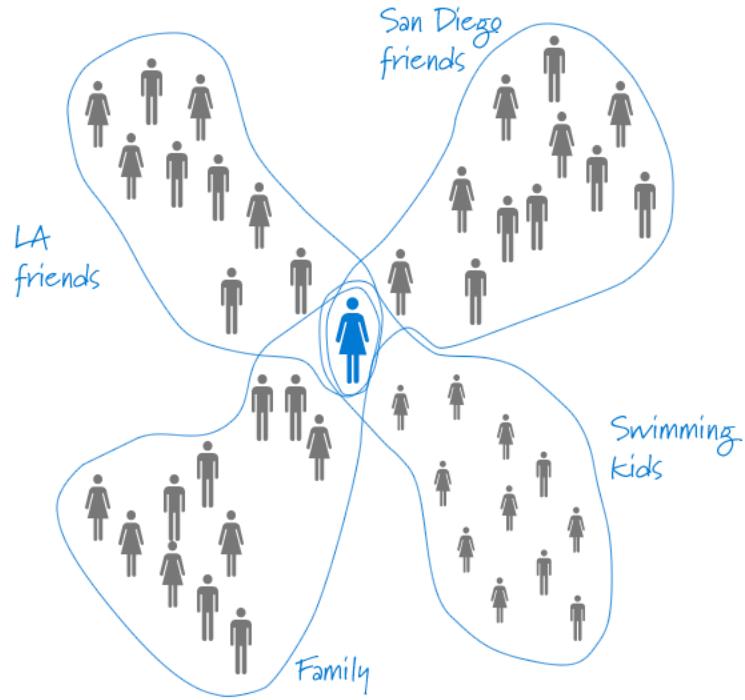
Her friends from when she lived in LA



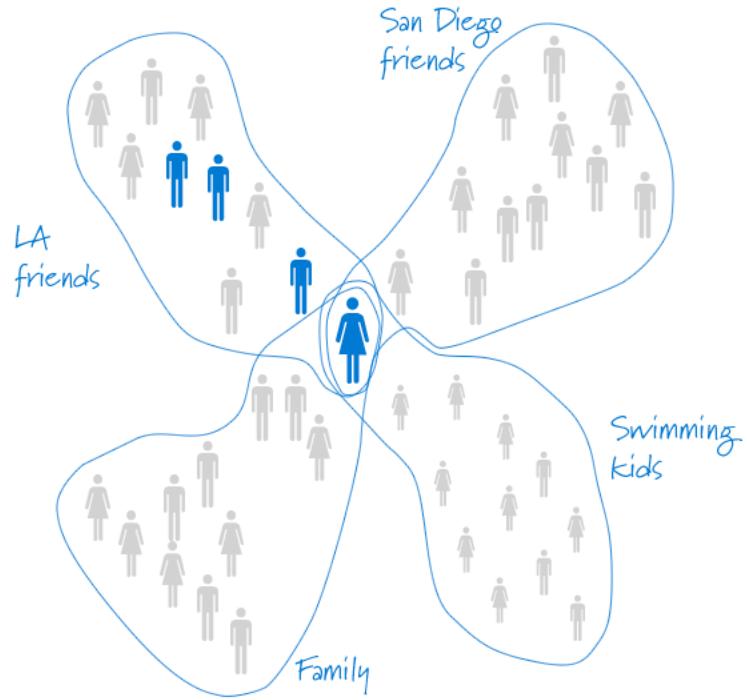
her friends from San Diego, where she lives now.



Her family



And Debbie is big into swimming, she trains ten year old kids competitive swimming, and has groups around the kids and her fellow trainers.

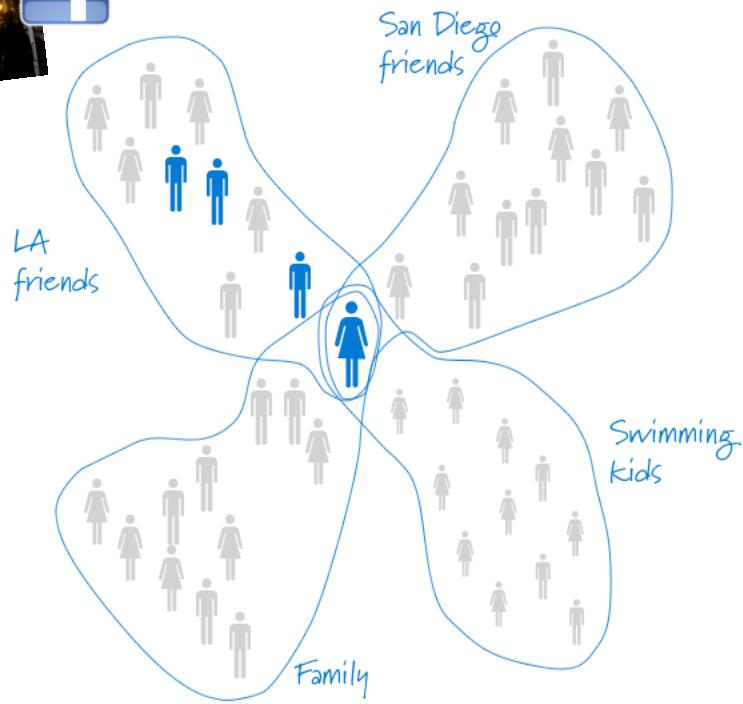


In LA, some of her best friends work in a gay bar. They miss her being around, and she misses them,

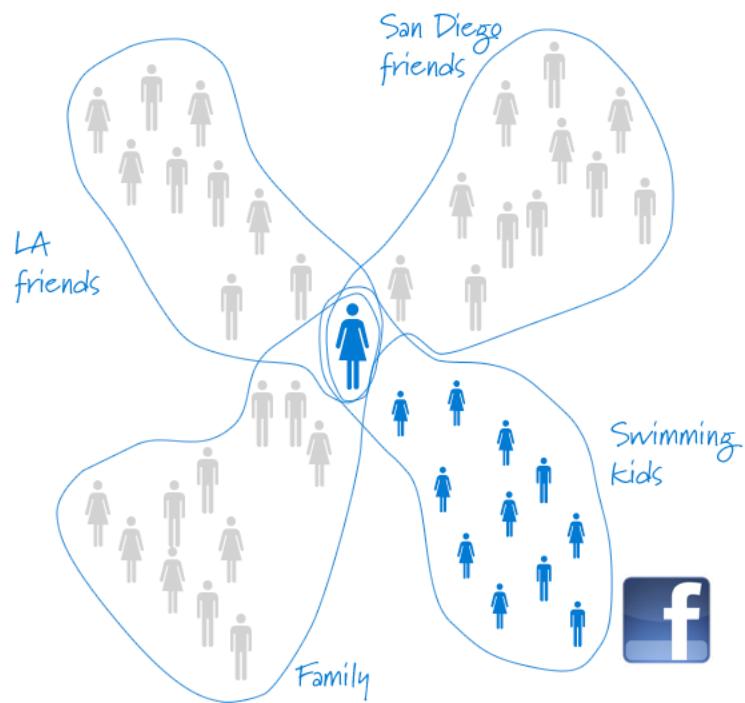


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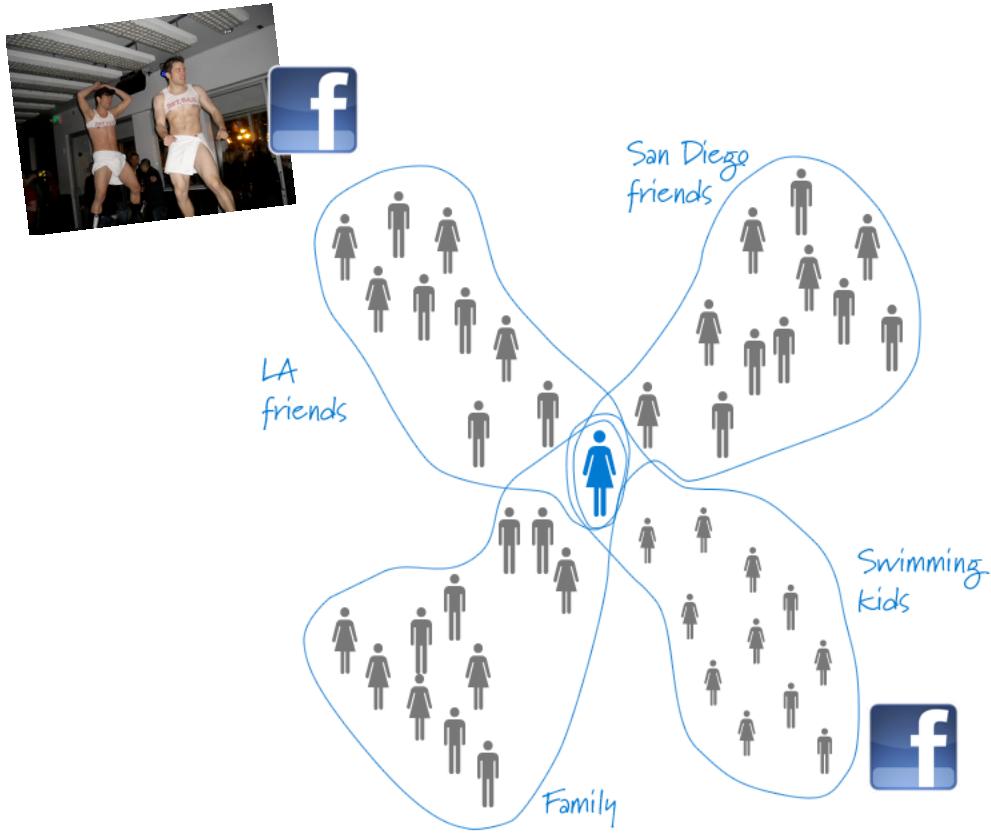
so they share photos on Facebook of wild nights in the bar.



She loves these photos, and often comments on them.



Now, the 10 year old kids she teaches are also on Facebook, and they have “ friended” Debbie.

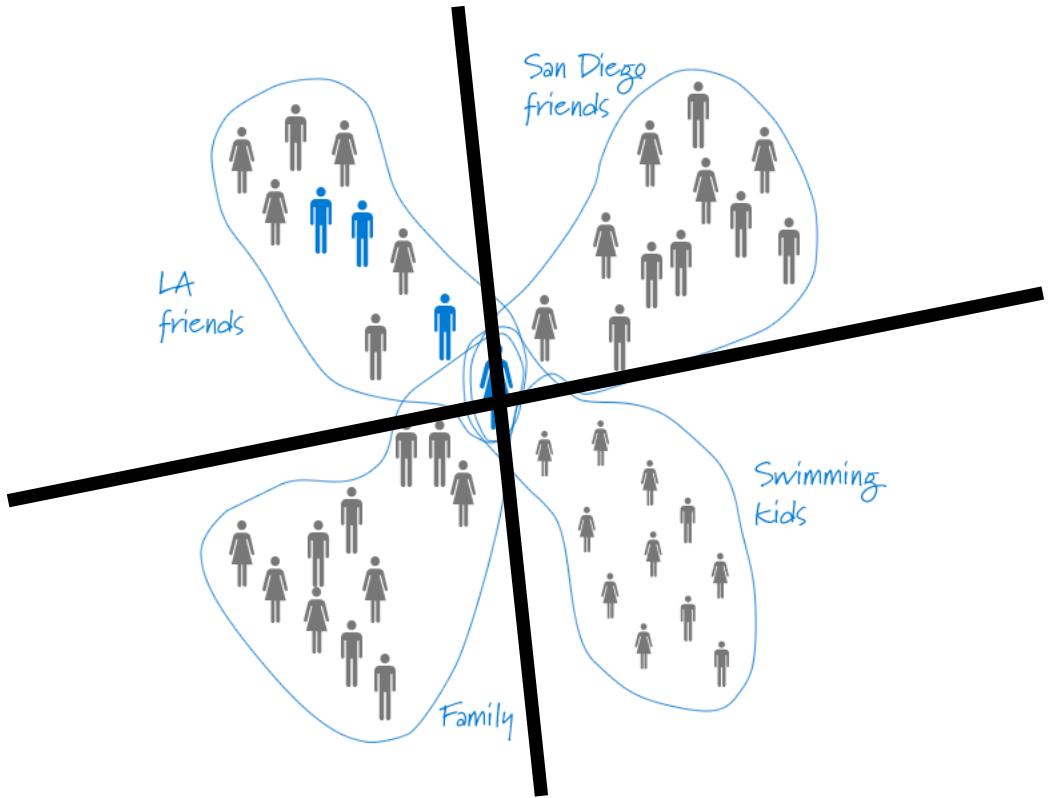


When we were doing research with Debbie, we were asking her about her usage of Facebook and she was showing us the things she does.

Debbie [commented](#) on Brian's photo.

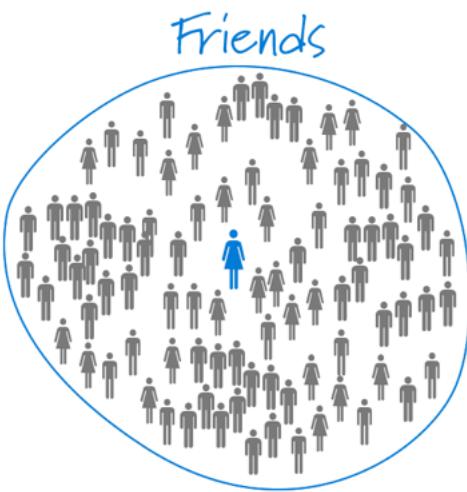
In the middle of the session, she realized, for the first time, that the ten year old kids could see the photos from the gay bar.

Not surprisingly, Debbie was very upset. She was upset at herself for not realizing, and at the system for letting it happen.

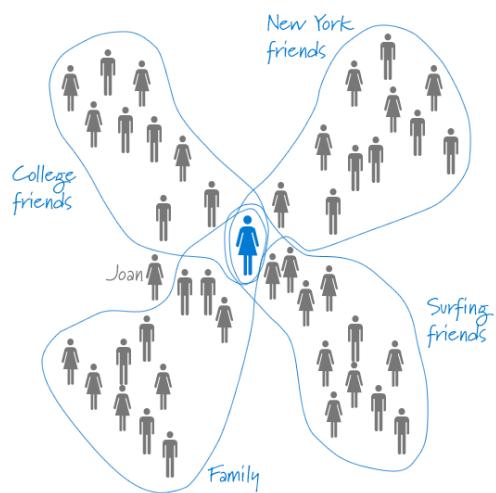


Facebook itself is not the problem here. The problem here is that these are different parts of Debbie's life that would never have been exposed to each other offline were linked online.

ONLINE



OFFLINE



The problem is that the social networks we're creating online don't match the social networks we already have offline. This creates many problems, and a few opportunities.

SOCIAL WEB CONNECTED RELATIONSHIPS INFLUENCE IDENTITY PRIVACY

I'm going to talk about 6 things today. I'm going to start by talking about how the web is fundamentally changing.

The real life social network. How people are connected to each other offline, and what that means for their behaviour online.

Relationships. We all have very different relationships with the people in our life and designing for them is very different.

Influence. How people influence each other, and how that is driven by the structure of our social network.

Identity. Why identity is a cornerstone of the social web.

And last not absolutely not least - Privacy. Why it's critical to give people control over their data.

THE SOCIAL WEB IS NOT GOING AWAY

The social web is not a fad, and it's not going away. It's not an add-on to the web as we know it today.

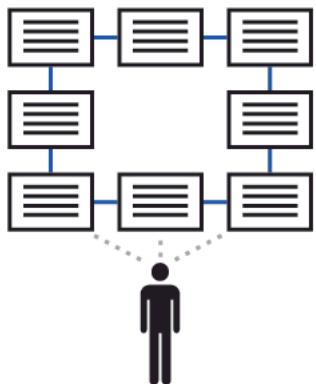
It's a fundamental change, a re-architecture, and in hindsight its evolution is obvious.

The web is undergoing a fundamental change

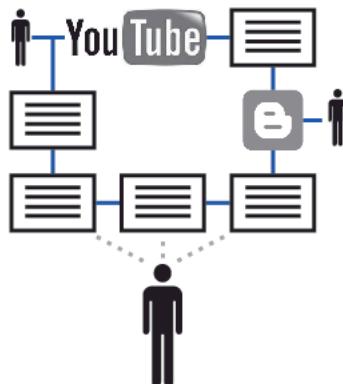
Make no mistake about this.

Everyone in this room will need to learn how to design social features on websites.
Whether you like it or not.

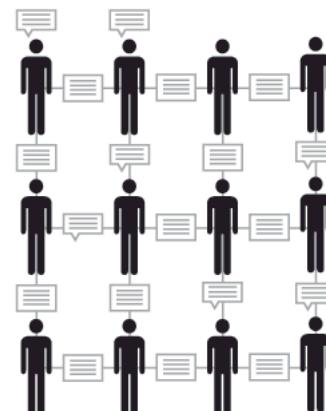
1



2



3



The web was originally built to link static documents together (left), but evolved to incorporate social media (center), and we're now seeing a web built around people, where their profiles and content are moving with them as they visit different websites (right).

The screenshot shows the New York Times homepage. At the top, there's a social toolbar with a profile picture for 'Paul Adams' (1 Follower), a message from 'Sam recommended: An Overhaul of an Underground Icon', the time '12:22 PM', a 'Recommend' button, and a close 'X' button. Below the toolbar is the main navigation bar with links for 'HOME PAGE', 'TODAY'S PAPER', 'VIDEO', 'MOST POPULAR', 'TIMES TOPICS', and 'MOST RECENT'. To the right of the navigation are links for 'Get Home Delivery-Bay Area', 'Welcome, padday', 'Log Out', and 'Help'. The central feature is the large 'The New York Times' masthead. Below it, the date 'Monday, May 31, 2010' and 'Last Update: 12:22 PM ET' are displayed. On the left, a banner for 'Continental Airlines' says 'BEFORE YOU GO THERE, GO HERE.' On the right, another 'Continental Airlines' banner says 'GET OUR GUARANTEED LOWEST FARE. continental.com'. A callout below the masthead encourages switching to the Global Edition. The main content area features a headline 'Deadly Israeli Raid on Aid Flotilla Draws' with a small image of a ship. To the right, there's an 'OPINION' section with links to editorials and a sidebar with links to Krugman, comments, and Douthat.

The toolbar along the top of the New York Times site is an early example of where the web is headed. Sites we visit will have our identity and social network with us, showing us the activity on that site from people in our network.



Paul Adams
1 Follower



Sam recommended: An Overhaul of an Underg

HOME PA

TODAY'S PAPER

VIDEO

MOST POPULAR

TIMES TOPICS

MO

BEFORE YOU GO THERE,
GO HERE.

Continental Airlines

The New

Monday, May

Switch to the Global Edition for an inter

Switch to
Global Edition

JOB

REAL ESTATE

Deadly Israeli Raid on Aid Flotilla Draws



Search

Do you use Facebook?

It's easy to create your Govit account using Facebook Connect.



Connect with Facebook

So you're going to appear as your Facebook identity on this Government website. Your profile follows you, and your network of connections follows you.

Now in the UK!  Yelp is using Facebook to personalize your experience. Options - Friends' Activity 100 Sign Up for Yelp Log In

yelp
Real people. Real reviews. ®

Search for (e.g. taco, cheap dinner, Max's)
Near (Address, Neighborhood, City, State or Zip)

Welcome About Me Write a Review Find Reviews Invite Friends Messaging Talk Events Member Search

Yelp San Francisco Other Cities | New York | San Jose | Los Angeles | Chicago | Palo Alto | Oakland | More »

 Yelp is the fun and easy way to find, review and talk about what's great - and not so great, in your area.

 Spotlight on Sushi
Sushi Zone
Cara H. says "I have been to countless other "best sushi place in the city" restaurants, and each one serves to confirm the Zone as the absolute best..." [read more »](#)

brought to you by: **KIRIN**

Hey, 10 of your friends have joined Yelp!
Sign up and never miss their reviews


Here's another example from Yelp. My identity and friends from Facebook are here on Yelp.



Yelp is using Facebook to personalize your experience. Options - Friends' Activity 100

o, cheap dinner, Max's)

Near (Address, Neighborhood, City, State or Zip)

San Francisco, CA

Reviews

Invite Friends

Messaging

Talk

Events

[Other Cities](#) | [New York](#) | [San Jose](#) | [Los Angeles](#) | [Chicago](#) | [Palo Alto](#)

find, review and talk about what's great - and not so great, in your area.

unless other "best sushi
each one serves to confirm
[Read more »](#)

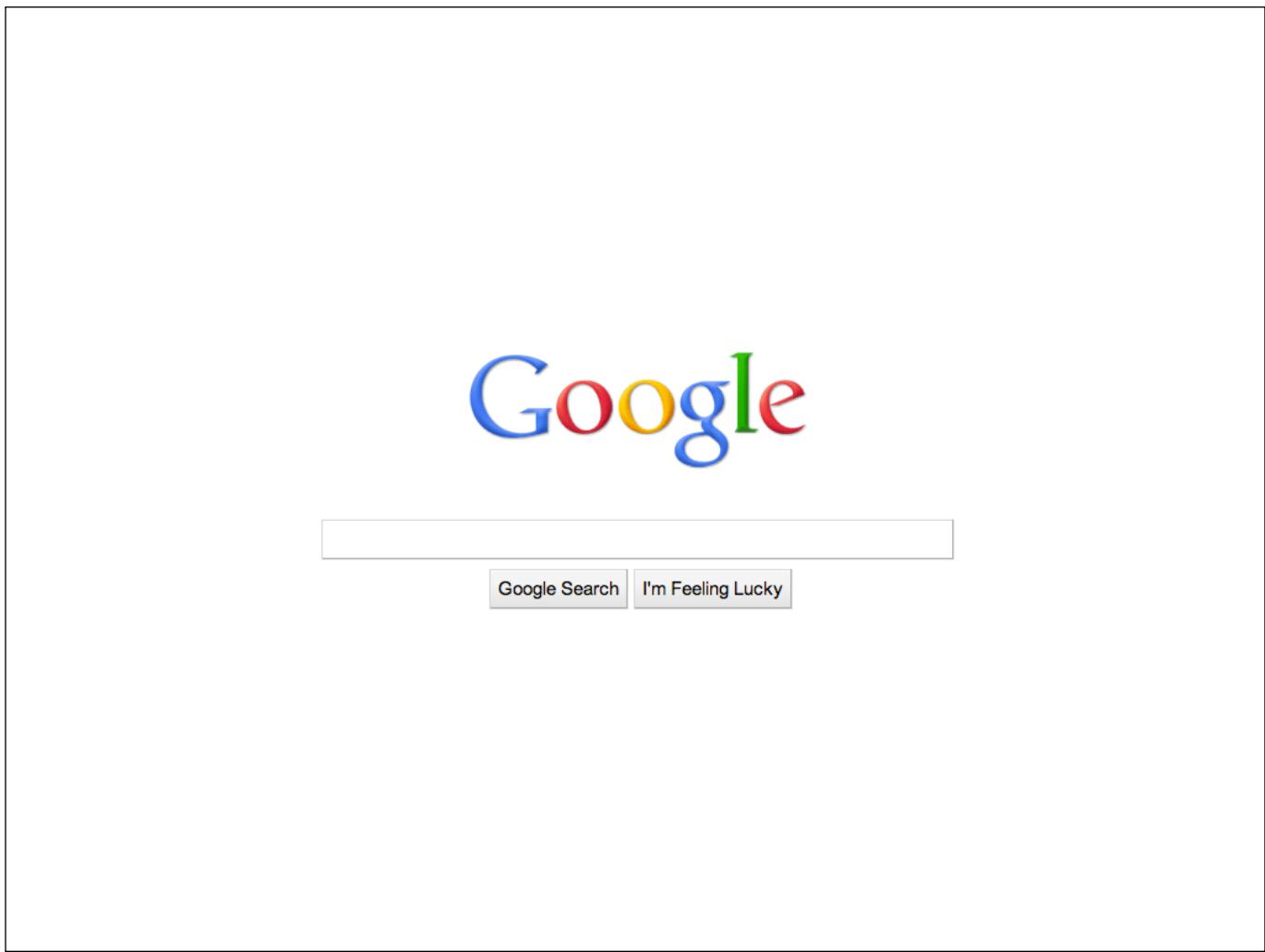
brought to you by:

KIRIN

Hey, 10 of your friends have

Sign up and never miss





When we use search engines today, it's a pretty solitary experience. We get millions of web pages in our results, yet we don't see any other people. But notice how often we send other people links to what we found, search in the company of others, and talk about our search results when we meet.

best bbq grill

Search

About 9,040,000 results (0.21 seconds)

Advanced search

[Top 10 Gas Grills between \\$500 and \\$1500 - Updated for 2010](#) ☆

The **best gas grills** on the market between the prices of \$500 and \$1500 Top 10 Gas Grills above \$4000 - These are the **best** of the **best** of gas gril. ...
bbq.about.com/od/gasgrills/tp/aatp060402.htm - Cached - Similar



RyanJaySmith: @dealsmavin born and raised there. J&W Grill for the **best** burgers, Roy's for **BBQ**, Jay's Mini stop for gas, more?
Twitter - 7 hours ago

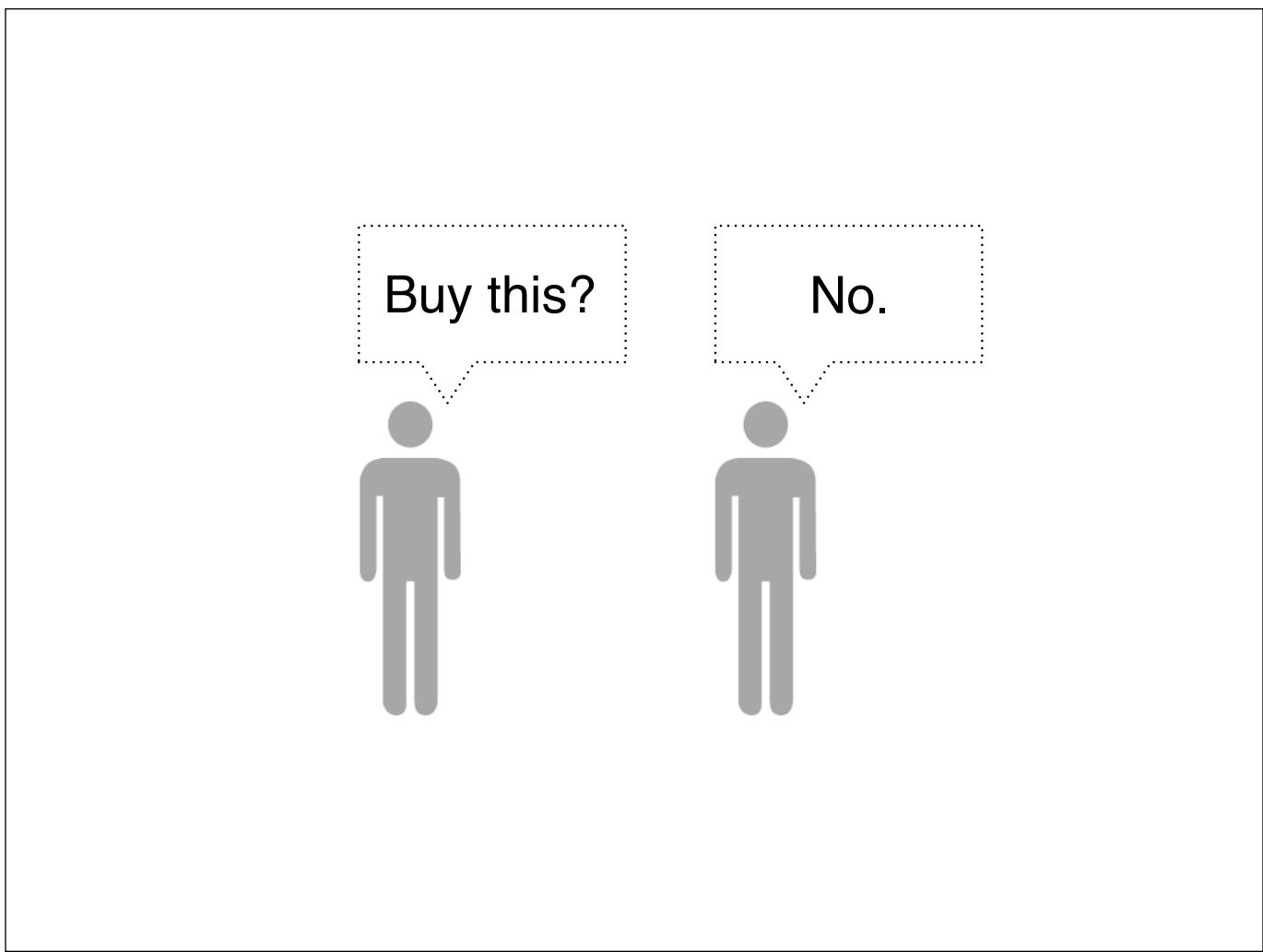
Tweet

[B's BBQ on Divisadero open, any reports? - San Francisco Bay Area ...](#)

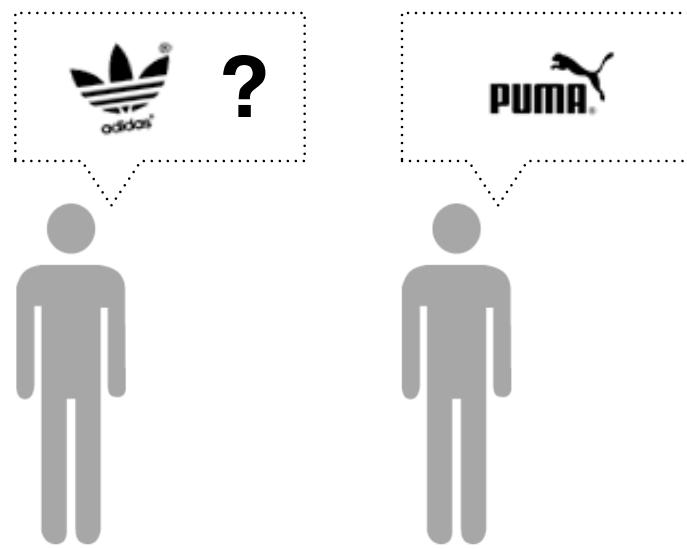
8 posts - 6 authors - Last post: Apr 2, 2009
Bs' **BBQ & Grill** 855 Divisadero Street San Francisco 415.525.3419 ... By far the **best bbq** I've had in SF so far - vastly better than local ...
chowhound.chow.com/topics/574750 - Cached - Similar

Review

And now something is happening. We're starting to see social interactions appear in search.



People are increasingly using the web to get the information they need from each other, rather than from businesses.



People are increasingly likely to find out about products and brands from their friends rather than from your business. It means that it is much harder to control how people first come to experience your messages.

You should come to our
restaurant, it's delicious!

This restaurant is average,
service was slow.

This restaurant is average,
service was slow.

Paul has been here three times
in the last two weeks.

You should come to our restaurant, it's delicious!

Business

This restaurant is average, service was slow.

Stranger

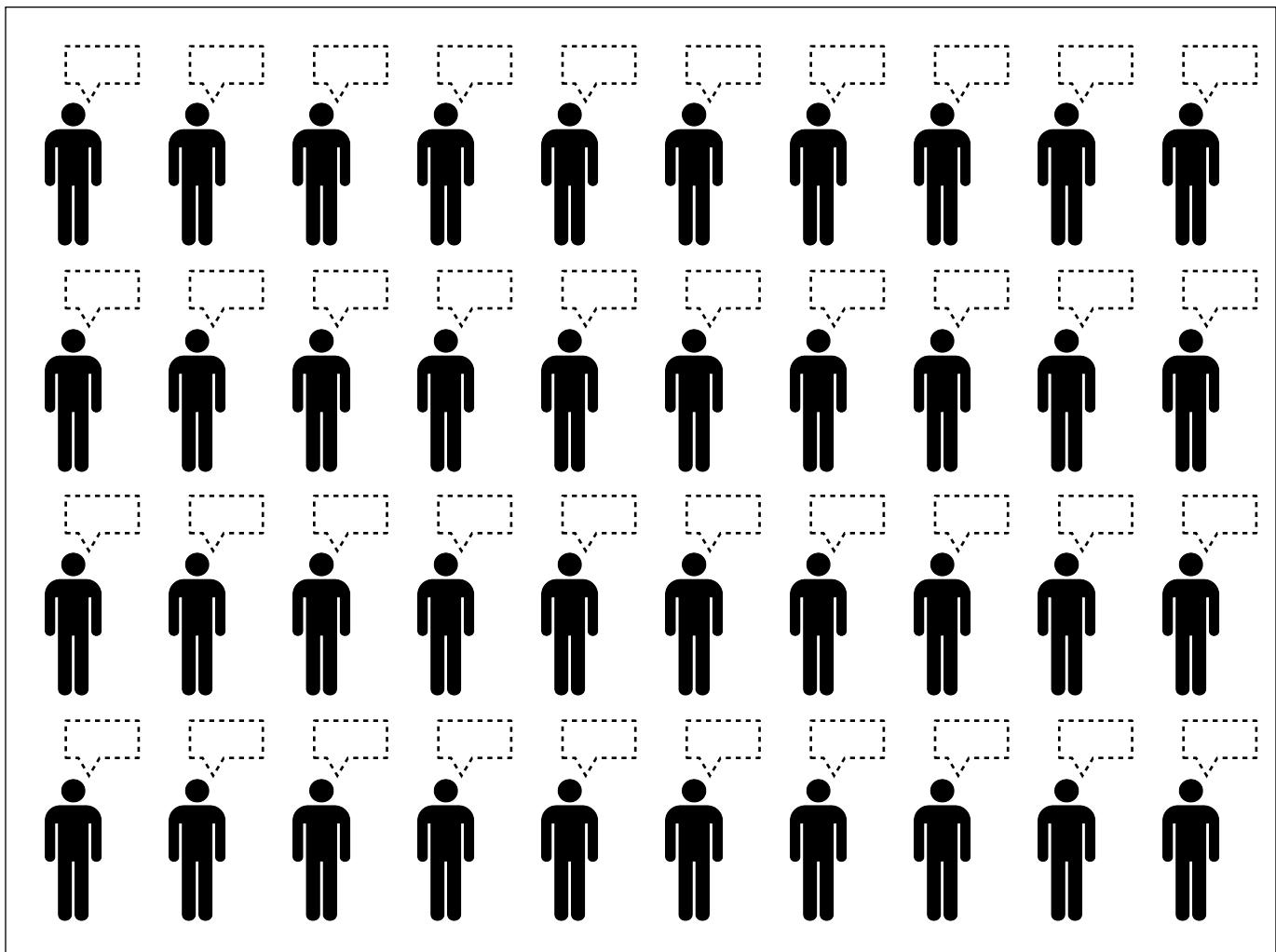
This restaurant is average, service was slow.

Friend

Paul has been here three times in the last two weeks.

Friend
of friend

This isn't just true for restaurants. It's true for every business. Yelp might have chosen to integrate with Facebook, and you may choose not to, but when integration is controlled in the browser, this is out of your control.



We're also seeing a much bigger shift in how people spend their time online. People are spending much more time interacting with other people, and much less time consuming content from websites. This shift is not about any one particular social network. It's about people connecting to each other online.



Share



 Like

So this shift is much greater than any one social network, and much more complicated than deciding where the 'share this' buttons go. Almost all the sites and apps we design from now on will have embedded social features.

**TIMBUK2®**

BLOG

customer service | (800) 865-2513 | sign up for email

shopping cart

SEARCH »

BUILD YOUR OWN BAG

MESSENGER

LAPTOP

BACKPACKS

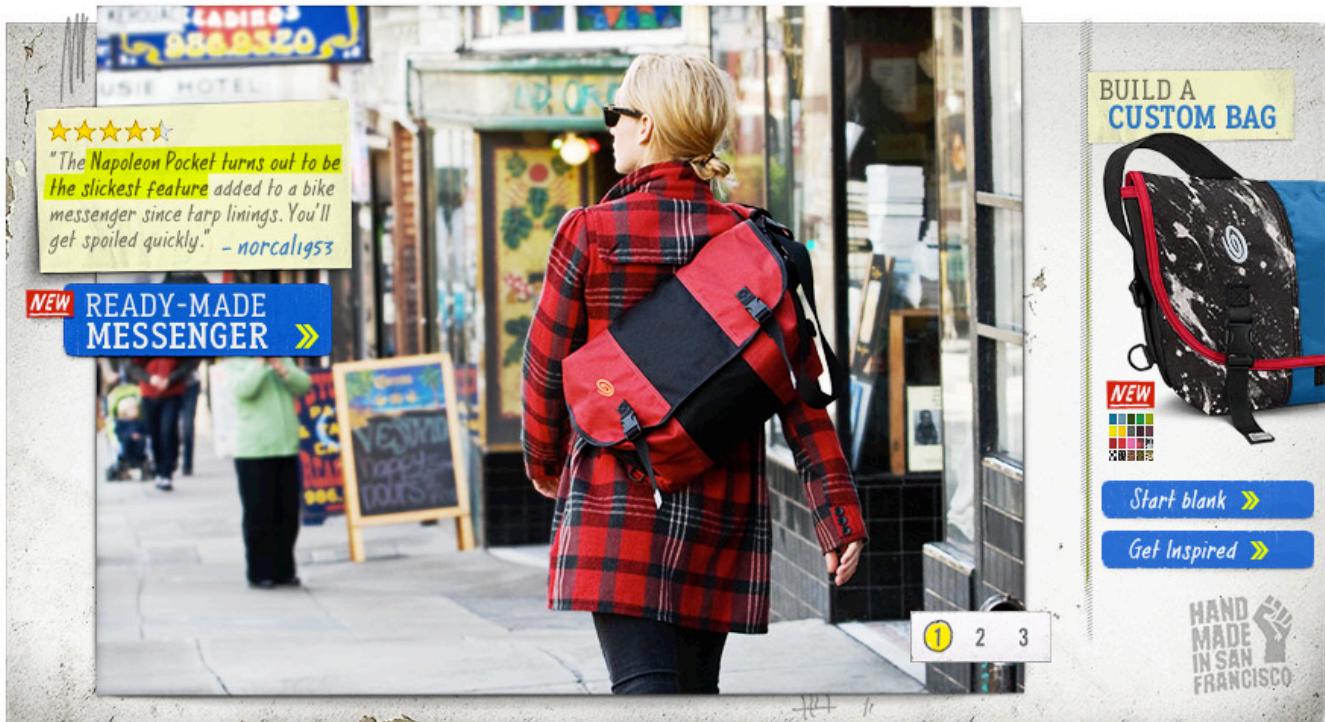
TOTES

TRAVEL

LIMITED

ACCESSORIES

NEW

[home](#) | [about us](#) | [privacy policy](#) | [terms of use](#) | [corporate sales](#) | [retailers](#) | [jobs](#) | [gift certificates](#)

It's already happening. In the future we'll know things like who out of our friends has bought this bag, who has bought this brand, who bought competitor brands, what do people think of this brand and we'll have ways to communicate with them to find out more. Understanding sociability will become a core requirement for designing online. Almost all of us will need to become skilled in social web design.

Controlled

Open

The social web, and all social media that operate within it, is a way of thinking as opposed to a new channel. It's not about sales, or ads, or click-through rates. It's about pursuing relationships and fostering communities of consumers. It's about rethinking how you make plans when your customers are in the center and in control.

**Understand
behavior, not
technology**



When thinking about how the web is changing, many people focus on the technology. How many people have heard of Foursquare?

People are using technologies every day that didn't exist a few years ago. The rapid pace of change means that businesses

focus on what technology or application is coming next. But the people using it don't care about the technology; they care about the communication that the technology enables.



New technology doesn't change how our brains work. Social networks are not new. For thousands of years, people have formed into groups, built strong and weak relationships with others, formed allegiances, and spread rumor and gossip.

The emergence of the social web is simply our online world catching up with our offline world. As technology changes the tools we use to communicate, we still use the same behavior patterns that we evolved over those thousands of years.

No explicit goals

Focus on motivation

There are two problems with focusing on technology.

facebook    Search

Seventeen Magazine 

Wall Info Twitter News Photos Boxes >



Sienna Richardson Hi everyone! I was wondering if i could get as many people as possible to join my group I run off CAFFEINE . I'm running as a beauty pageant and also trying to get as many fans as possible by april 10th. its for a contest at my college. Thank u so much xoxo
<http://www.facebook.com/pages/I-run-off-CAFFEINE/1094542390741...>

[See More](#)


I run off CAFFEINE
 Late night papers? Exams? 6am work shifts? Just...tired? Caffeine withdrawal? The smell of freshly brewed coffee smells and tastes so good, or the sparkling aluminum red bull can that's calling out to you...red bull can give you wings... Does this sound like you? Th...
 Food and Beverage: 433 fans

[See More](#)

 6 minutes ago · Share · Report


Ribbon Hitto 雪纺连身裙 (黑/Black)


 材质/ Material 雪纺 (Chiffon)
 尺码/ Size 均码 (Free Size)
 裙长/ Full Length 88cm
 胸围/ Bust Width 80–90cm

174,340 fans 

Now what?

Fans
 6 of 174,340 fans



 about an hour ago · Comment · Like · Report

 Sienna Richardson likes this.

The first is that people often don't know what they are going to do with the things they build. There are so many Facebook fan pages with hundreds of thousands of followers yet nothing is happening. So 100,000 people became a fan of yours on Facebook. Now what? This is the fan page for the magazine seventeen. There are 174,000 fans but no conversation. You need to look at things like Facebook fan pages and think: "How is this going to fundamentally improve my relationship with my customers?"

What are you doing?

I'm social networking!

The second problem is more subtle, and it's complicated and messy so people tend to ignore it.

When have you ever heard this? People don't say things like this when they are on social networks.

What are you doing?

I'm checking out the photos from last weekend!

I'm social networking!

They say things like “I’m checking out what Dave did last night, or I’m checking out the photos from last weekend, or I’m checking out what my friends in London have been up to.” The problems we’re dealing with are social science problems, not technology problems. The technology may be changing fast but the underlying human motivations are changing very slowly, and in many places not at all. We need to first understand what is motivating people to use these services. Not jump on the latest social networking bandwagon.

Social networking is a means to an end.

You need to understand what the end is.

Focus on what motivates people to use new technology. Technologies will come and go, but the fundamental social behavior patterns of people will remain the same. A better long term strategy for business is to understand people's motivations for using new technologies, and not the technologies themselves.

Understanding sociability is complex

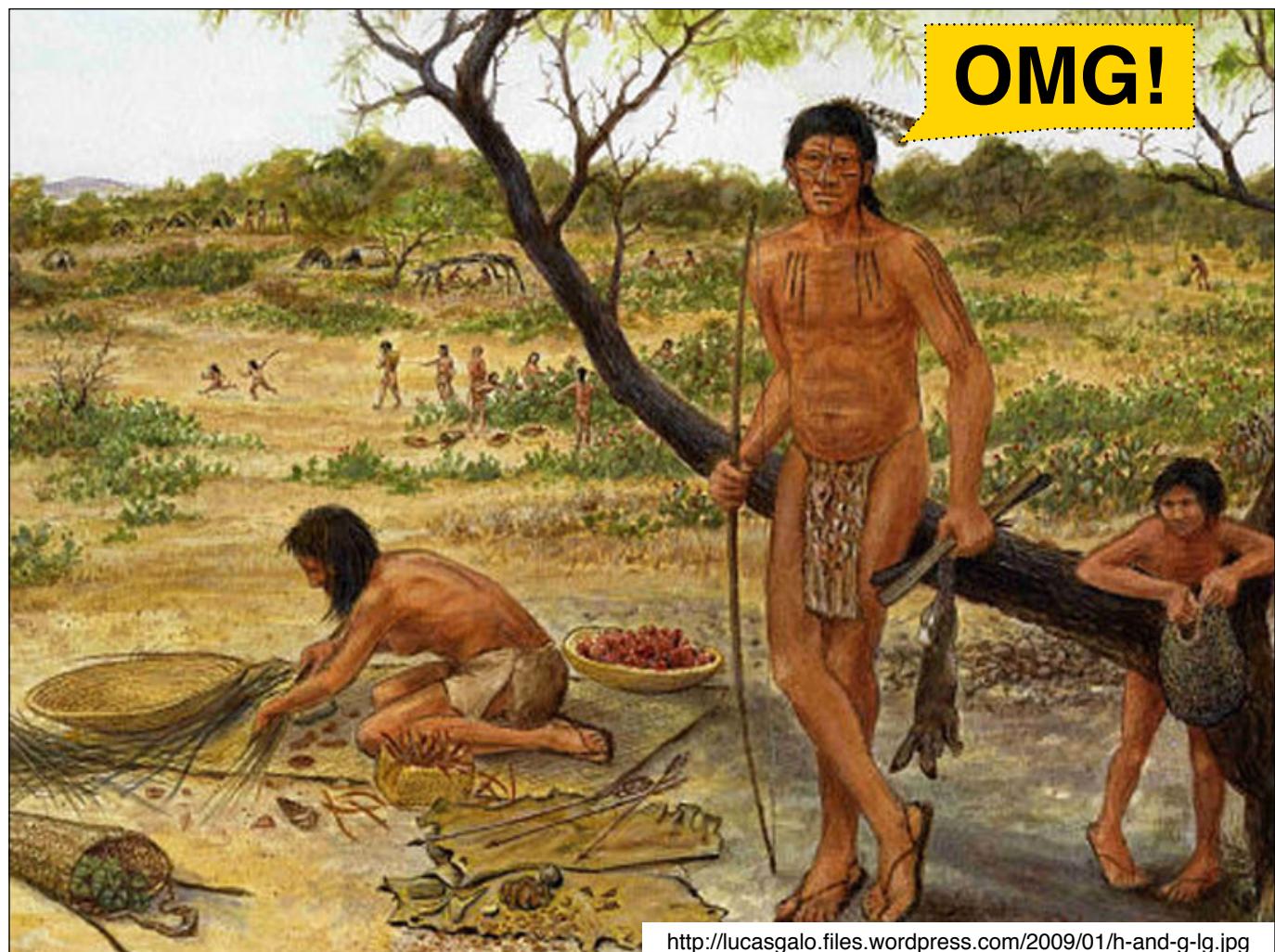
Understanding the end is not simple. In fact, it's very complex. I'm going to try and map out some key behaviors that matter.

If you come away from this talk thinking that designing for the social web is complicated, that's a good thing. It is! We don't have to understand it all today, we just need to start with a solid foundation from which to build.

HOW PEOPLE ARE CONNECTED

Social networks are not new.

The most important thing to know about social networks is that they are not new.

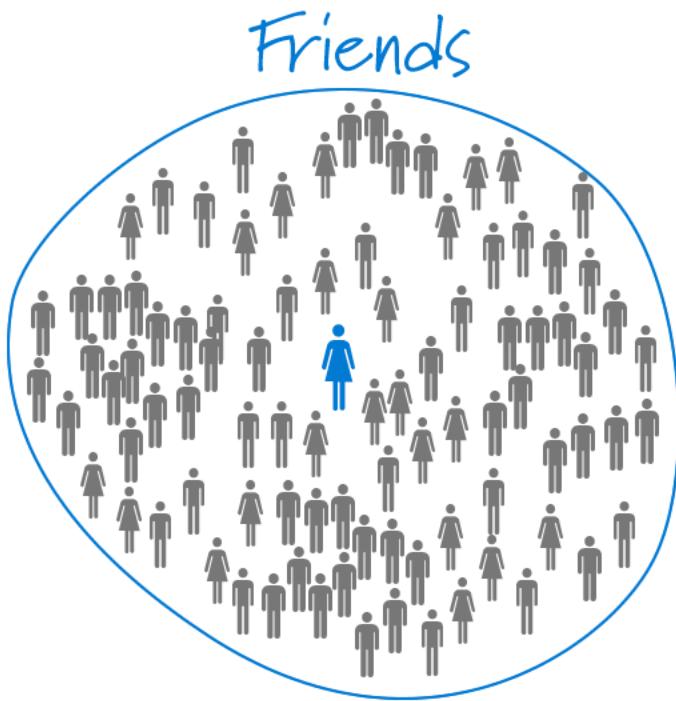


<http://lucasgalo.files.wordpress.com/2009/01/h-and-g-lg.jpg>

They have existed for almost as long as we have. As we saw with Debbie, our online social networks are simply a crude representation of our offline social networks. We have a long way to go before getting anywhere close to the complexity of real life. As designers, this is a great opportunity. Let's start by looking at how we represent our relationships online.

People don't have one group of friends.

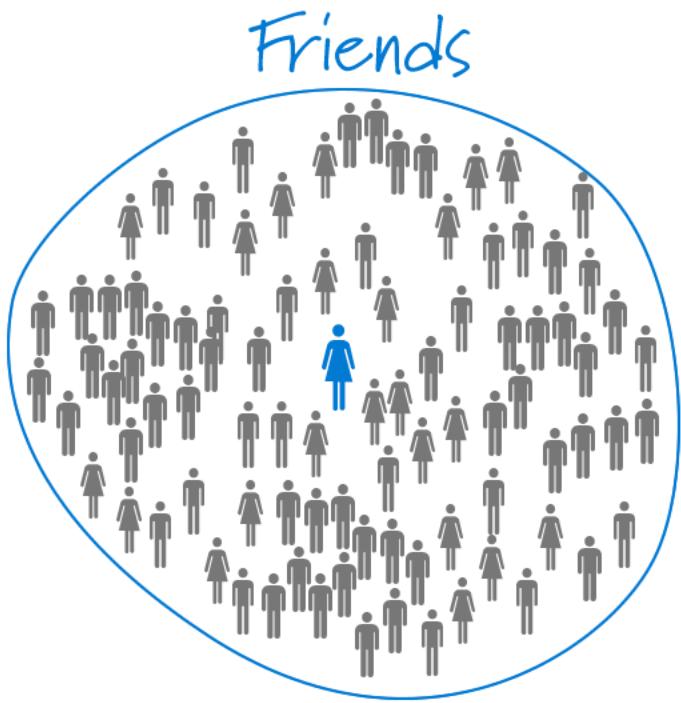
Friends. When we sign up, most social networks ask us to create our "friends" group.



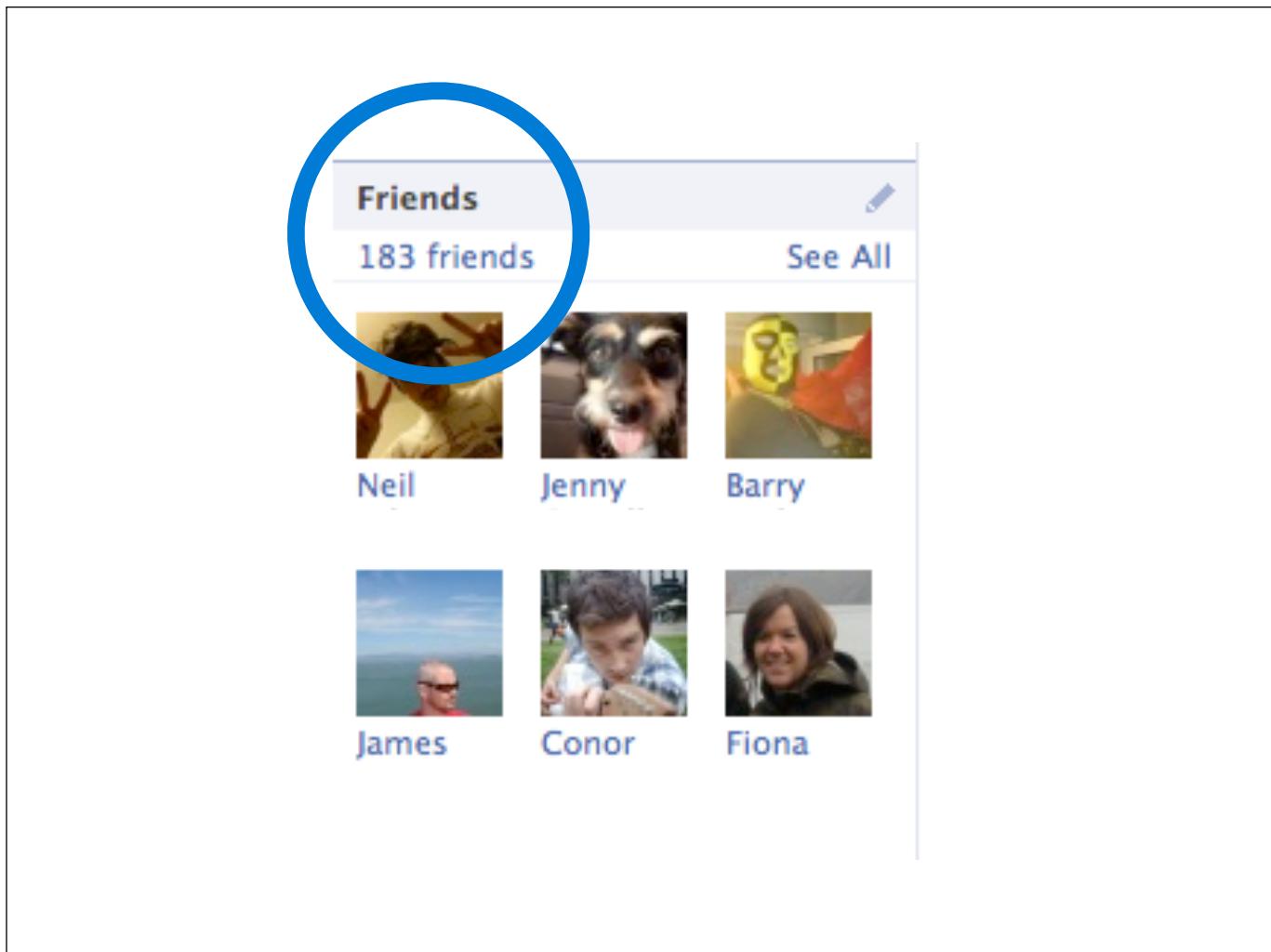
No such group exists offline

Table 1	Table 2	Table 3	Table 4	Table 5	Table 6	Table 7
Paul	Sarah	Conall	Helen	Isobel	Fl	Sar
Jenny	Tim	Andrea	Ruaidhrl	Simon	Nico	Nico
Barry	Allison	Eimear	Aisling	Iosaf	Darina	Mar
Evelyn	Phil	Meabh	Phil	Rob	James	Em
James	Greg	Aldeen	Diarmaid	Jamie	Clara	Dav
Ursula	Aolfe	Rianna	Bernard	Claire	Steve	Niall
Conor	Morgan	Liam	Regina	Gary	Sarah	Niki
Jean	Neil	Ann	Ultan	Mafe	James	Rich
Sheillagh	Amy	Stephen	Bernard Jr.	Fiona	Stephen	Dan
Joe	Lorraine	Philip		Caolmhe	Slobhan	Ron
Gerry	Irene	Chris		Shane	Billy	Lae
Niamh		Ronan		Mel	Ben	
Nanan	Table 8	Table 9	Table 10	Table 11	Table 12	
Granny	Dingle	Woolacombe	Bristol	Windmill Lane	Verona	
Father Duhig	Sue	John	Jack	Helen	Father Kennedy	
	Anthony	Mary	Theresa	Kevin	John Galvin	
	Shirley	Muriel	Michael	Paul	Helen Galvin	
	John	Alma	Pauline	Brida	John Corrie	
	John	Kathleen	Adrian	Derry	Ann Corrie	
	Elaine	Claire	Yvonne	Trudy	Delirdre Corrie	
	Michelle	Pat	Brid	Kevin	Grainne Corrigan	
	Jenny D	Rita	Brendan	Therese	Kevin	
	Bronagh	David	Feena	Ger	Seamus	
	Shane	Louise	Ken	Sheillagh	Ann	
	Natalie	Jonathan	Eimear		Donnie	
	Nigel	Angela	Austin		Brida	

Making people create one big friends group has many of the same problems as planning seating arrangements at your wedding. This is my seating arrangement at my wedding. Suddenly all these people from different parts of your life will be in the same room together. Anyone who is married and went through this will remember how stressful it is.



Yet that's what is happening online!



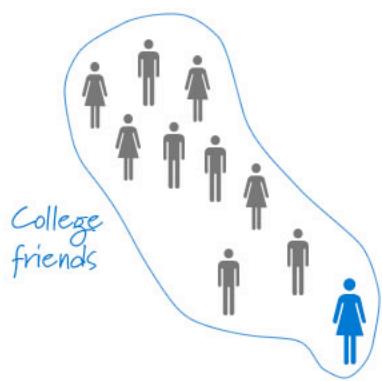
Everyone being shoved into this big bucket.
People don't have one group of friends.

**People have
multiple
independent
groups of
friends.**

Offline people have multiple groups of friends that form around life stages and shared experiences.

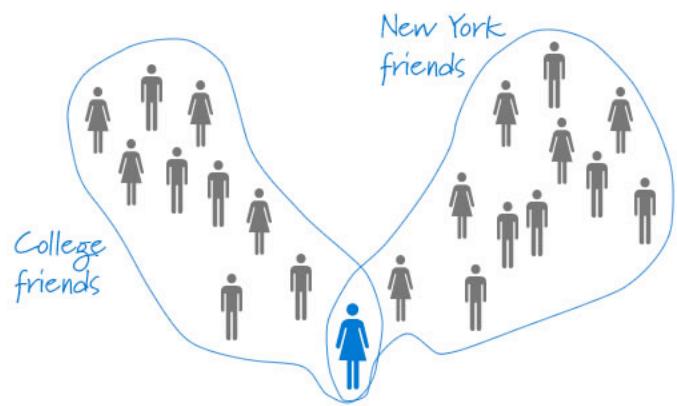


So with Debbie, we already saw what this looks like.

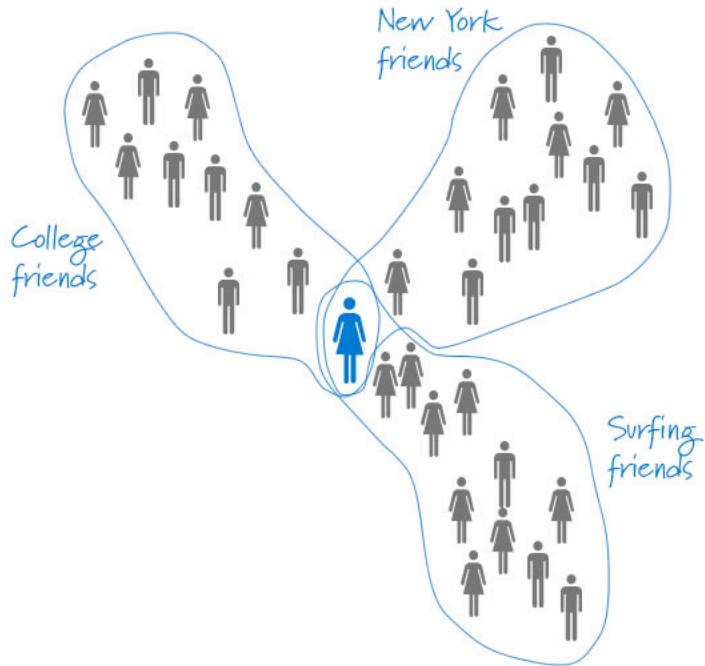


College
friends

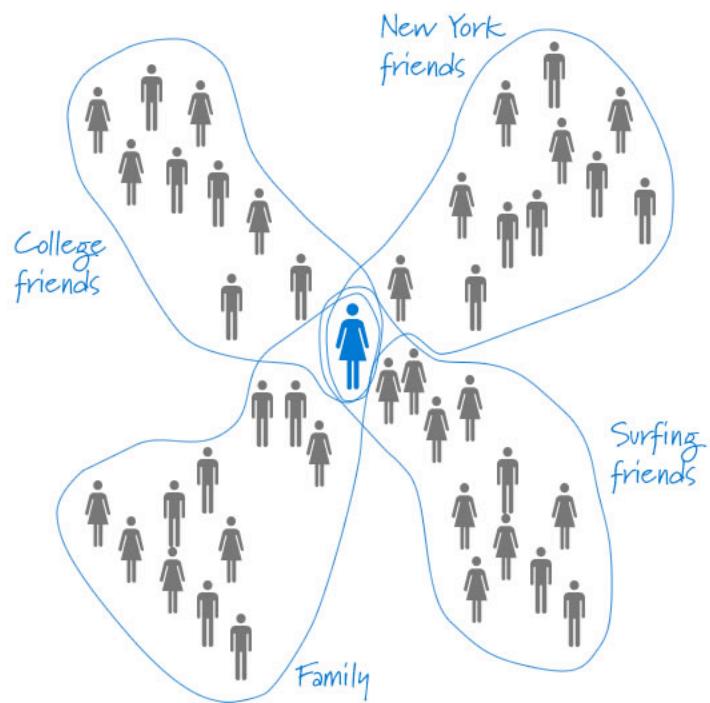
Friends from college



friends from when I lived in New York



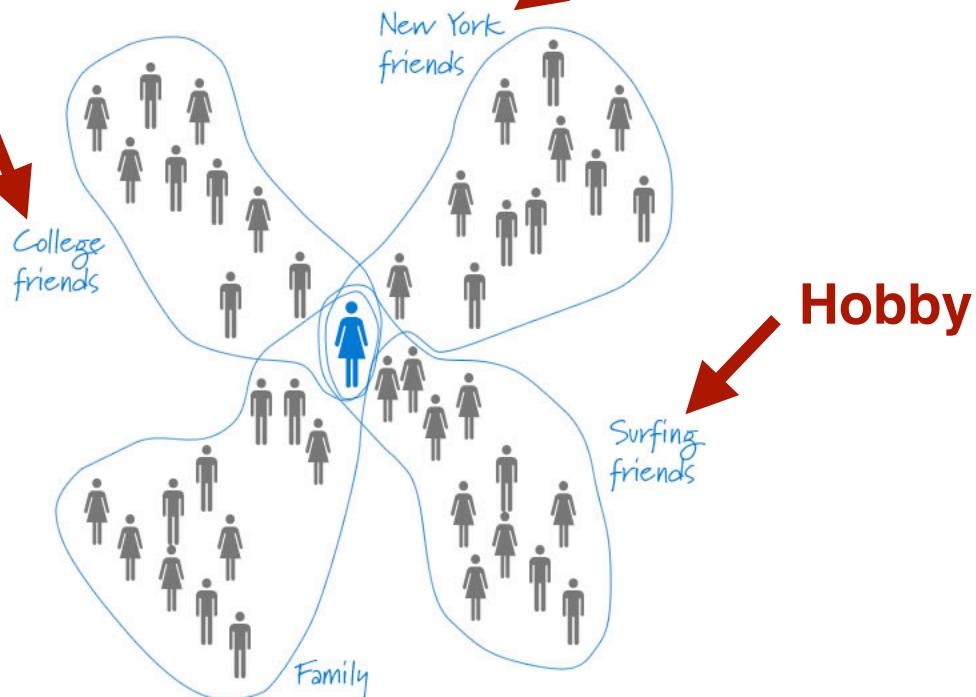
friends that I surf with



And the most common group is family.

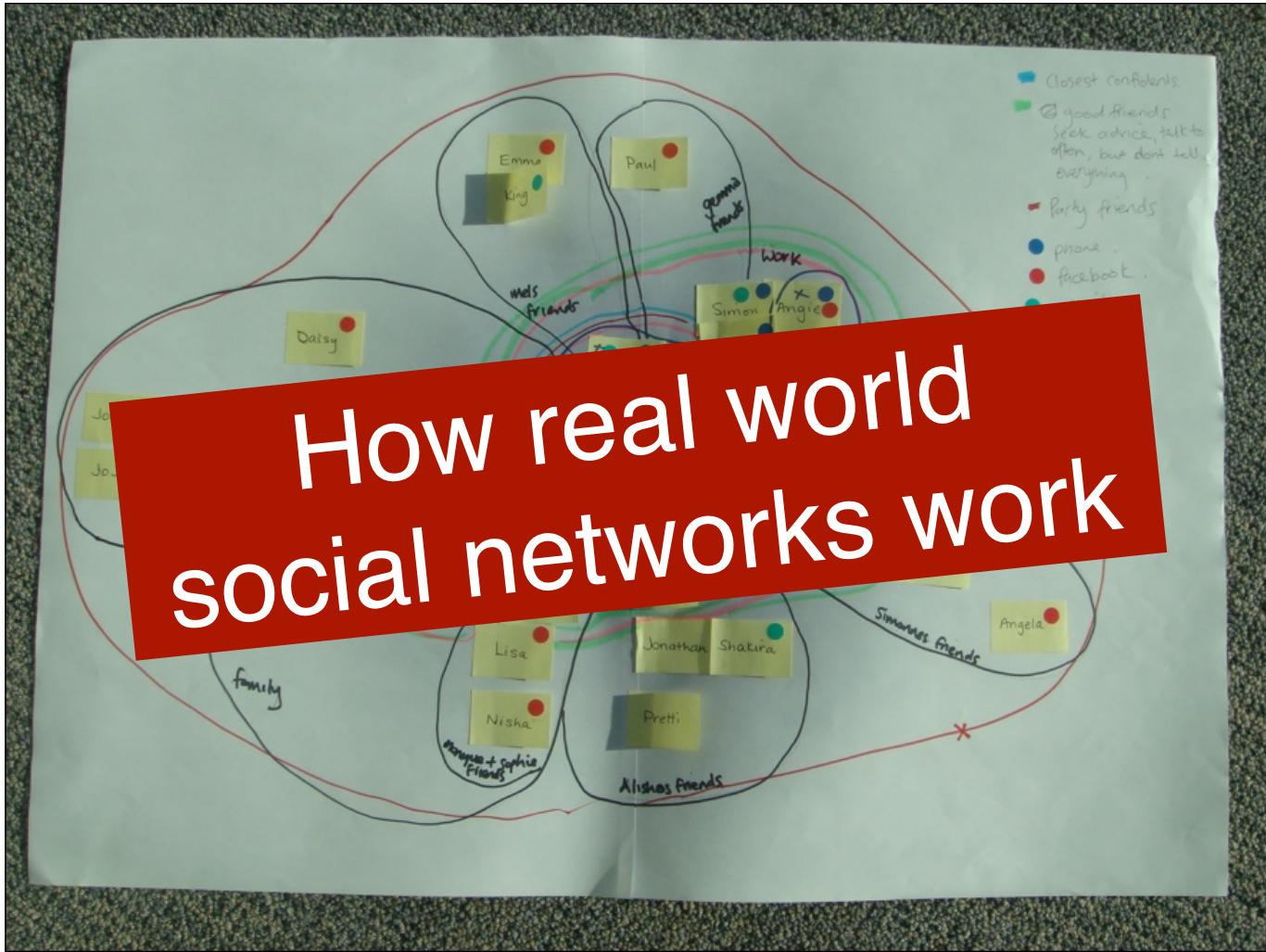
Lifestage

**Shared
experience**

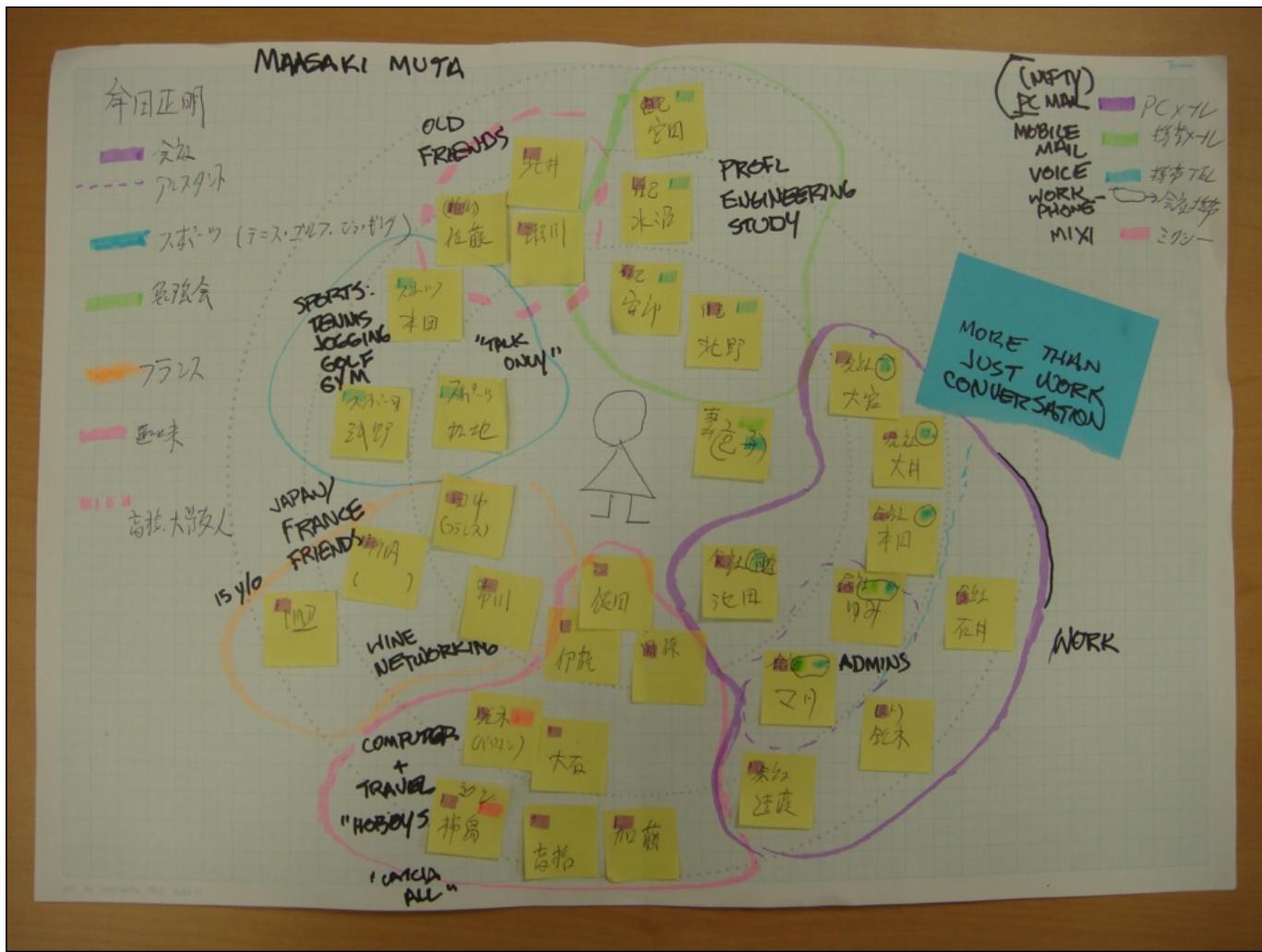




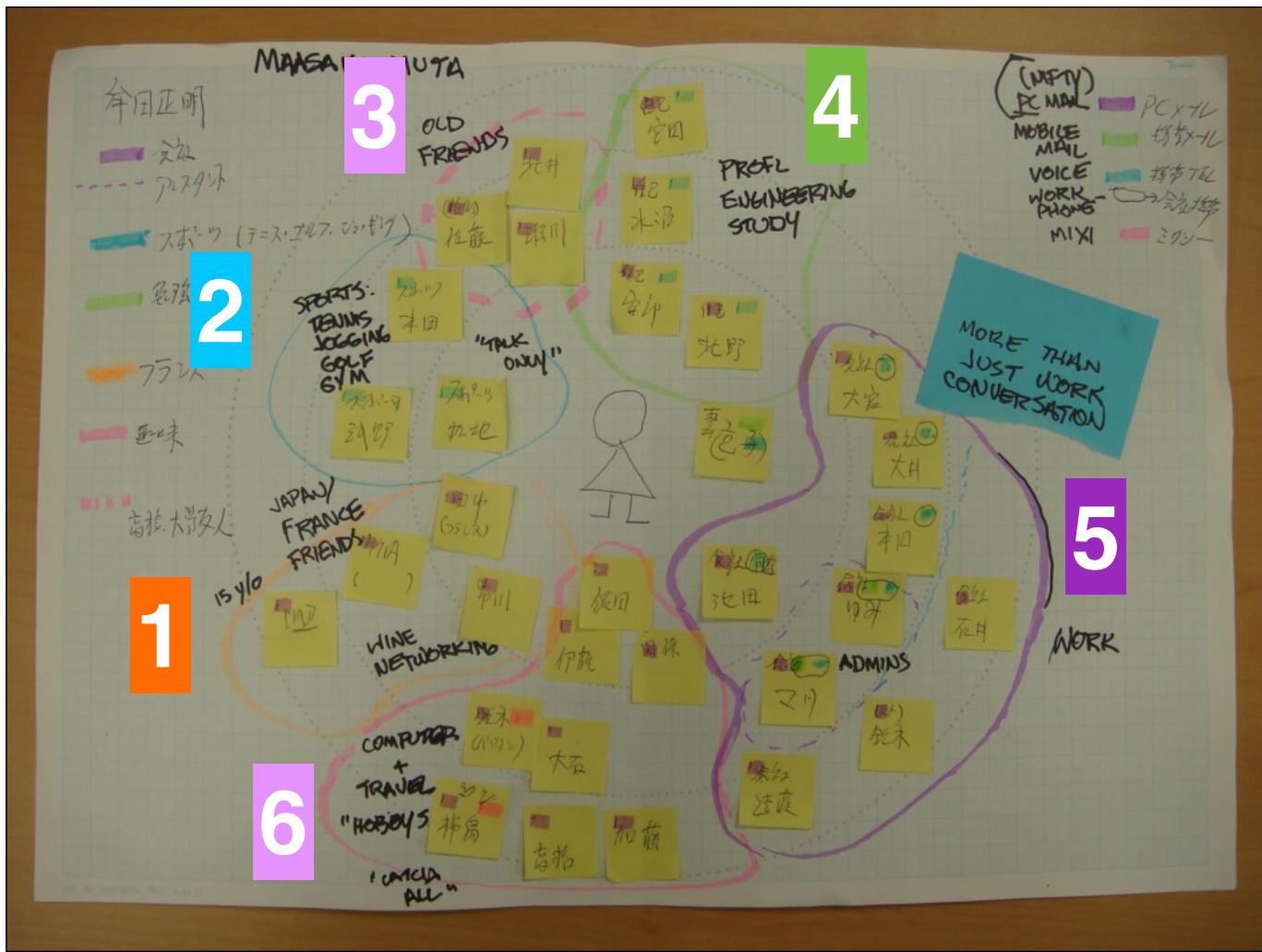
Over the past three years, we've done an exercise with many of the people we bring in for research. We ask them to map out their social network, to put people on post-it notes and arrange them in whatever way makes sense.



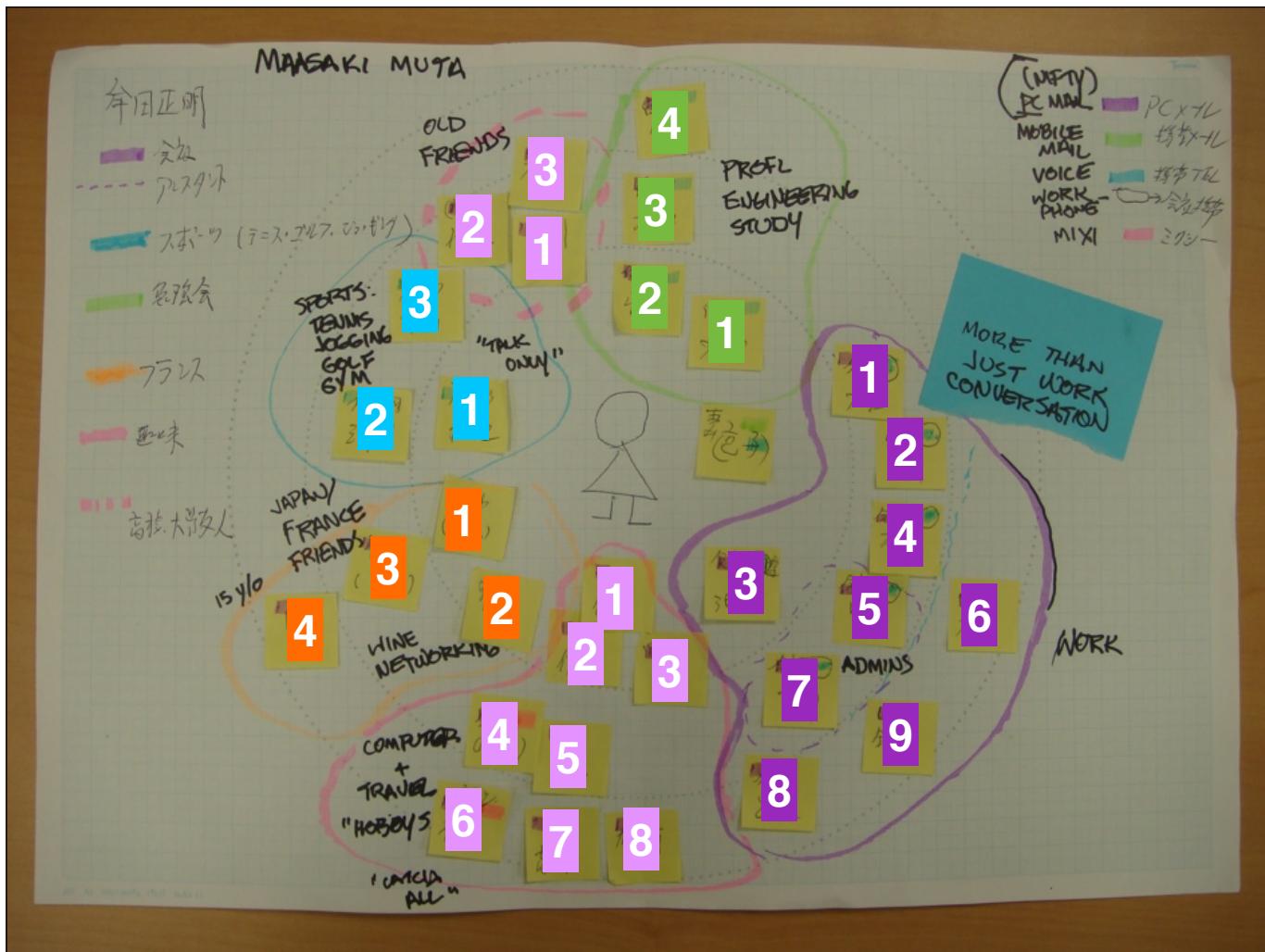
We've learned a lot about how real world social networks work



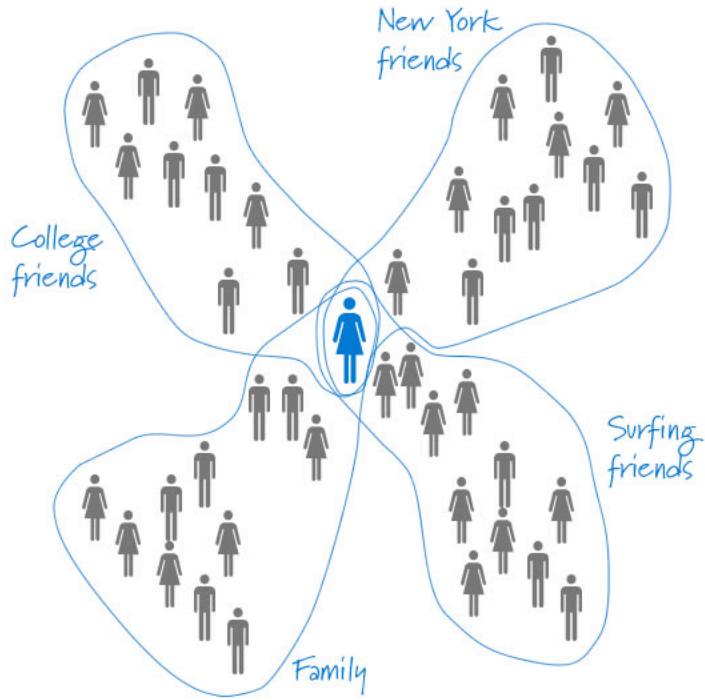
US, UK, China, Japan.
The similarity we see is remarkable.



People tend to have between 4 and 6 groups,



each of which tends to have between 2 and 10 people.



So 4-6 groups of less than 10 people that form around life stages.

One interesting thing about these groups is that they are very independent. When people map out their social network, we often hear stories about how they tried to mix the groups,



<http://www.flickr.com/photos/sp00/3536211311/>

For example, it was their birthday, they had a party



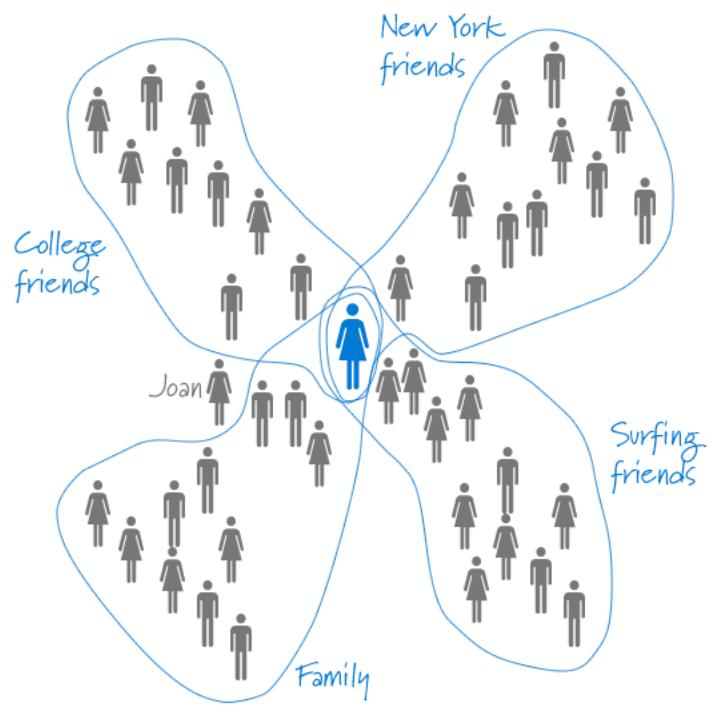
<http://www.flickr.com/photos/sp00/3536211311/>

Their college friends came



<http://www.flickr.com/photos/sp00/3536211311/>

And their New York friends came. He's looking a bit awkward back there.
These stories never end well!



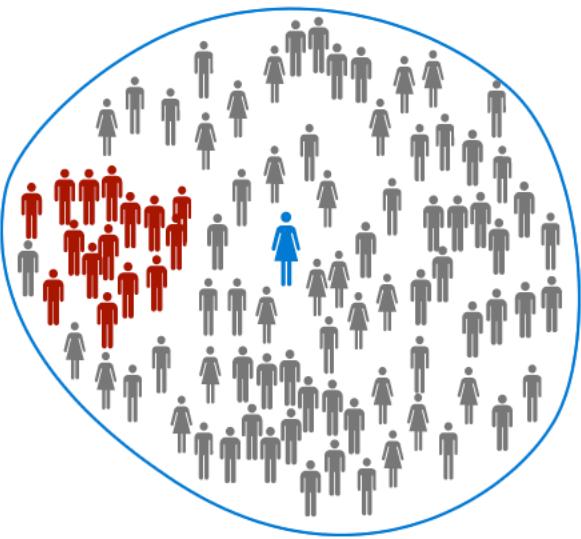
Despite trying to mix them, people's groups remain independent.

**One friends
group means
mixed up
conversations.**

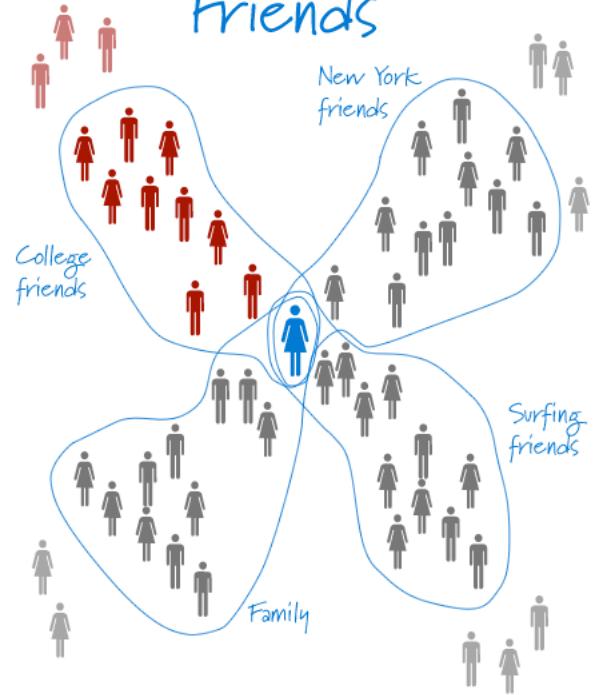
I'm going out clubbing
tonight! Yeeaaah!!!! :-)

In research, we often ask people about the updates they post. We probe them about their motivation for posting them, and whether they are aimed at anyone in particular.

Facebook Friends



Real Life Friends



It turns out that often, people have an intended audience, and it's usually a small subset of their contacts.

Who likes status
updates about
what other people
had for lunch?



Alexandra

ugh just got home from work!!!!...now im eating a
sandwich w/ popcorn....yummmy!! lol

6 minutes ago · [View Feedback \(2\)](#)

I posted about my meal while on vacation in New York. My intention was to share with the people who I had spoken with about the meal...but it is hard to share it with specific people on Facebook.

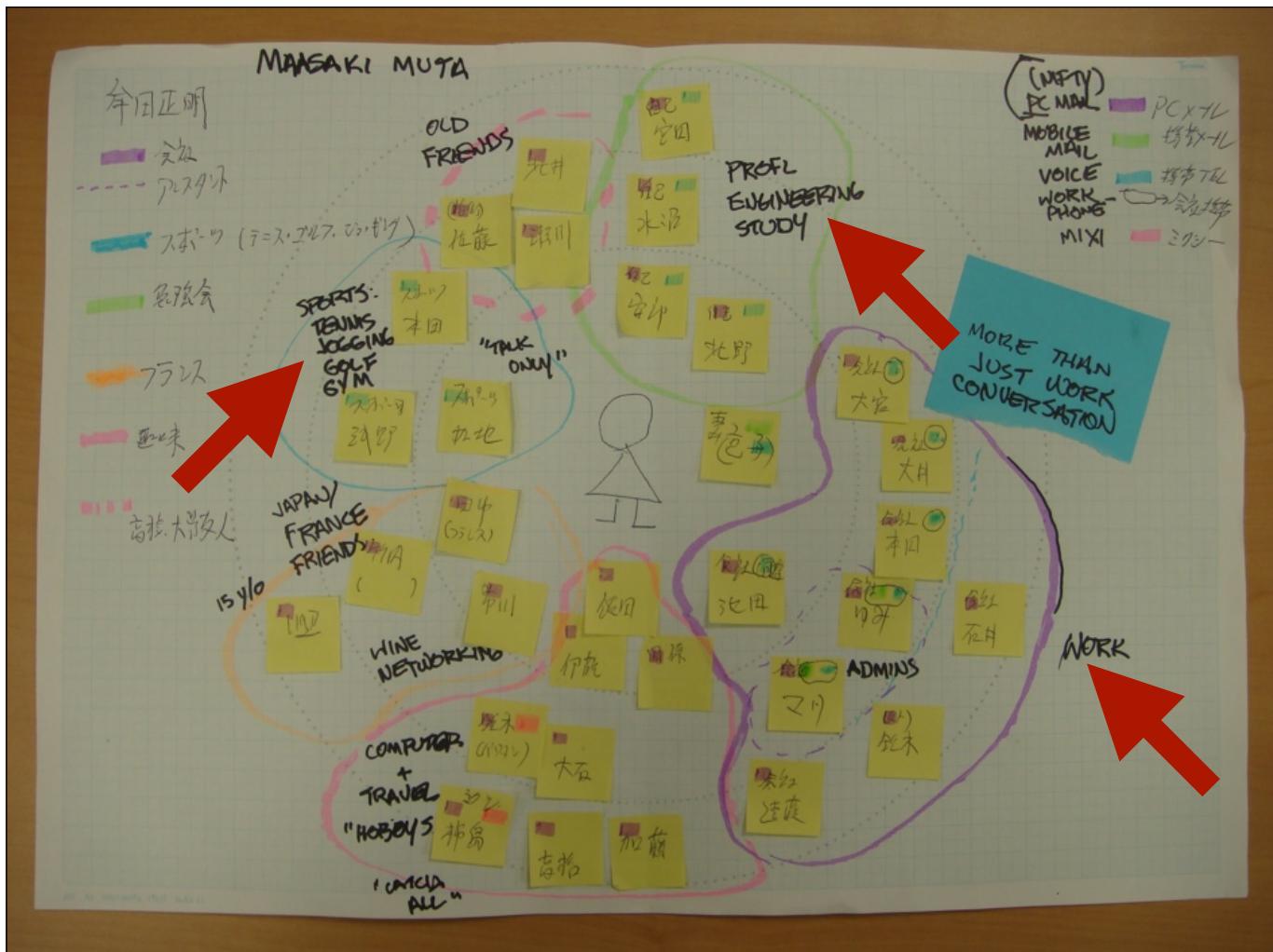
I'm sure we've all been in a situation where we're looking at something someone posts on Facebook and are wondering why they would post something so odd. But it probably wasn't for you. So next time you see this, consider that it may be directed at other people.

The word Friends is unhelpful

Not only do we not have one group of friends, but the word "friends" itself, is actually pretty unhelpful.



George Bush and Tony Blair are friends. But that's not the same as my friend who I know since I was five who now babysits my children.



In our research, people named the groups of friends

342 groups

we've looked at 342 groups,

12% “... friends”

Only 43 - 12% - contained the term "friends".

3% “Friends”

Only 3% were called "friends".

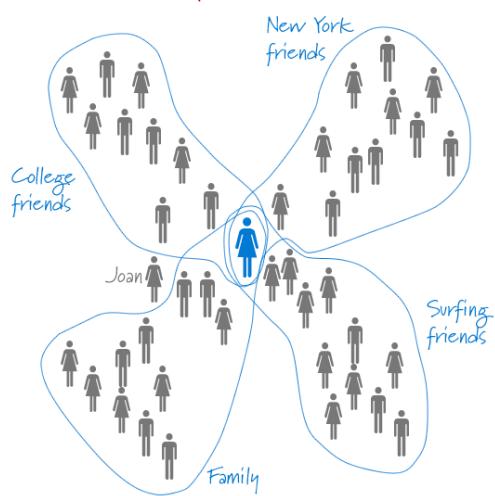
85% of the
groups of friends
did not contain the
word “friends”

That leaves 85% of groups without this term. So clearly this is not how people describe the groups in their life.

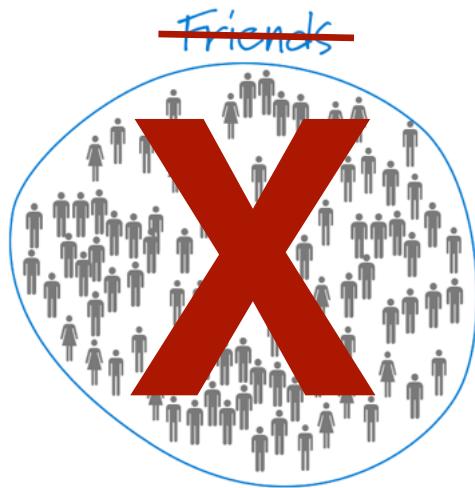
61% of the group
names were
unique.

People's groups are very diverse. 61% of the group names were unique.
Clearly, "friends" is not how people describe their friends.

Not new



**Mixed
conversations**



How are people connected around your business?

Avoid the use of the word friend for connecting people. Understand how people describe their relationships for the behavior you're trying to encourage.

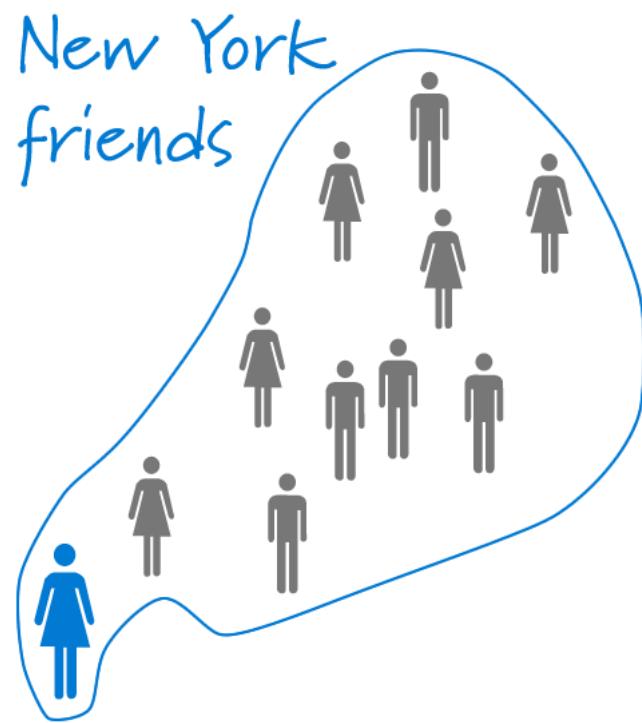
Allow people to create custom names for groups, and allow people to rename the group if it changes over time.

Support side conversations. Allow people to fork conversation threads with a smaller number of people.

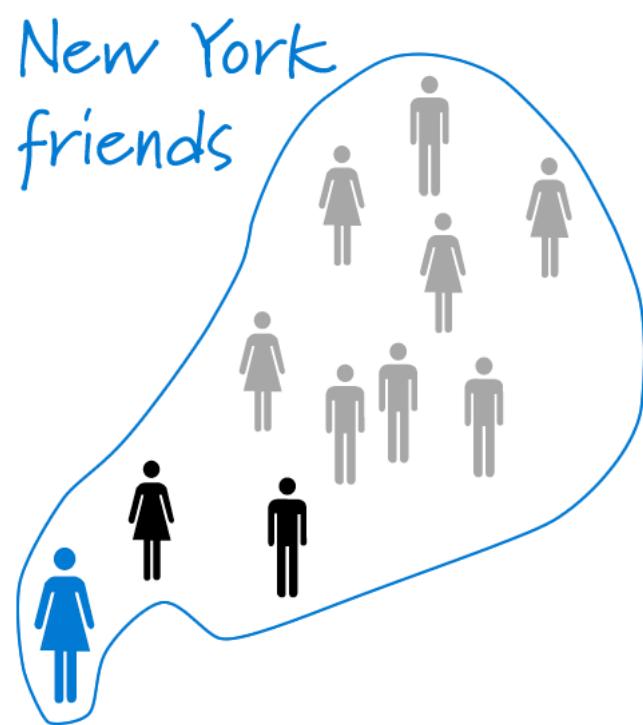
HOW PEOPLE RELATE TO EACH OTHER

People have different types of relationships

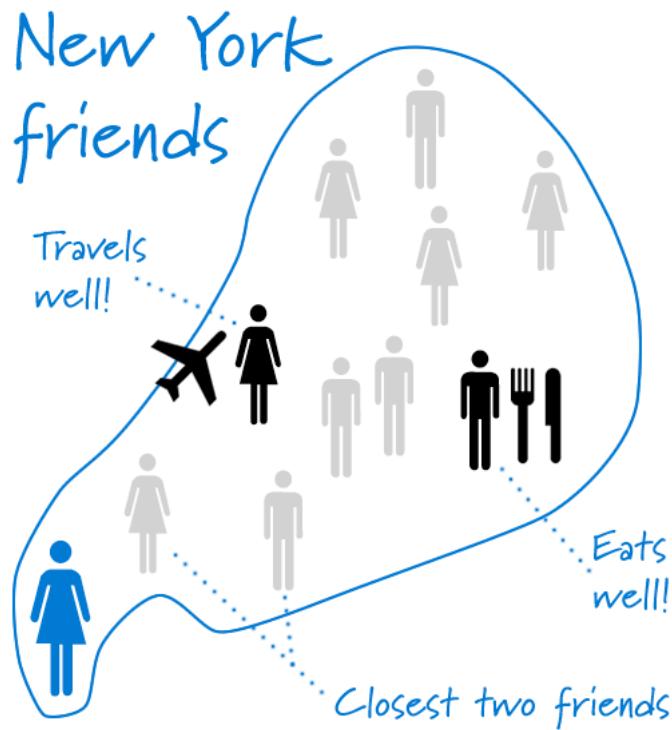
We have different relationships with different people and are closer to some people than others. Each relationship between two people is unique.



Although our groups of friends are small, usually containing less than 10 people, not all members of the group are equal.

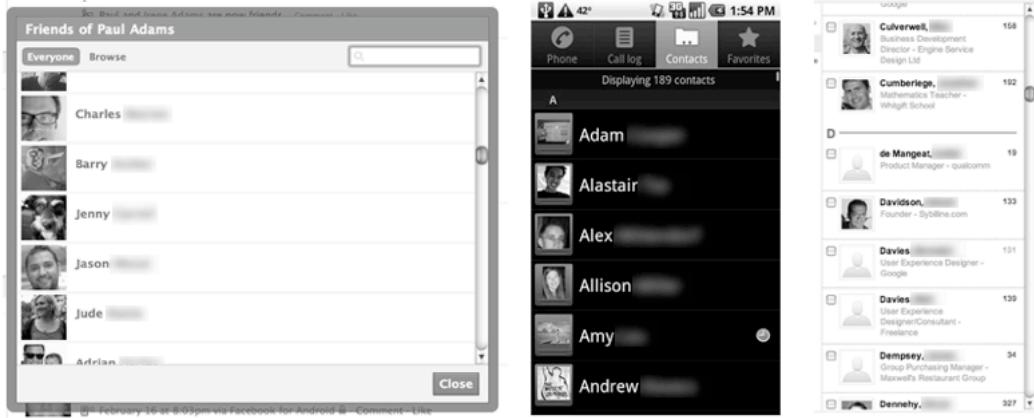


We are closer to some than others.



We trust some people in a group on one set of topics, and others on a different set. We trust one of our friends more on good places to eat, another on good places to go on vacation.

Think of some of the people in your life. Maybe some close friends. Think of some people you've known a long time.

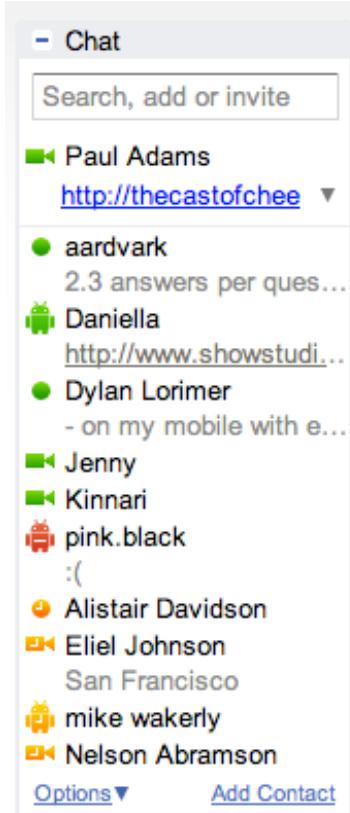


This might all sound obvious, but it has profound effects on our social behavior, online and offline. And we often don't consider these effects when we're designing.

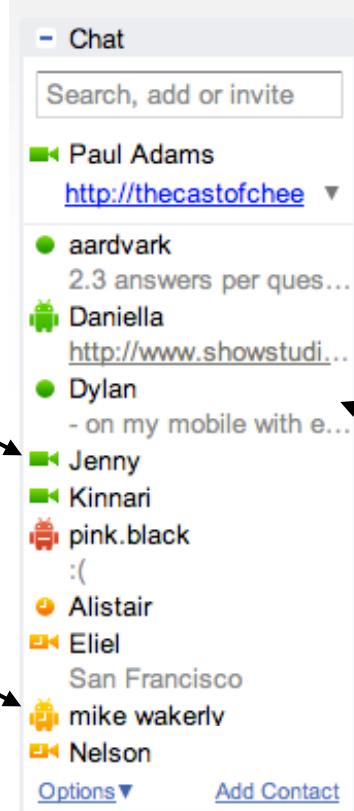
All our “friends” are treated equally on social networks, and all our contacts appear alphabetically and equal in our mobile phones.

Designing for different types of relationships

Let's think a bit more about different types of relationships.



Here's an example. Think about Instant Messaging. People's chat roster contains people they are close to, and people they are not so close to. They are all there, one big group. IM lists are not designed to support different types of relationships.



This is my wife, this is a friend of a friend, and this is someone I'm not sure I know. So people have this list, and they are worried that someone they don't want to talk to might see that they are online and say hello.

 Paul Adams

Invisible



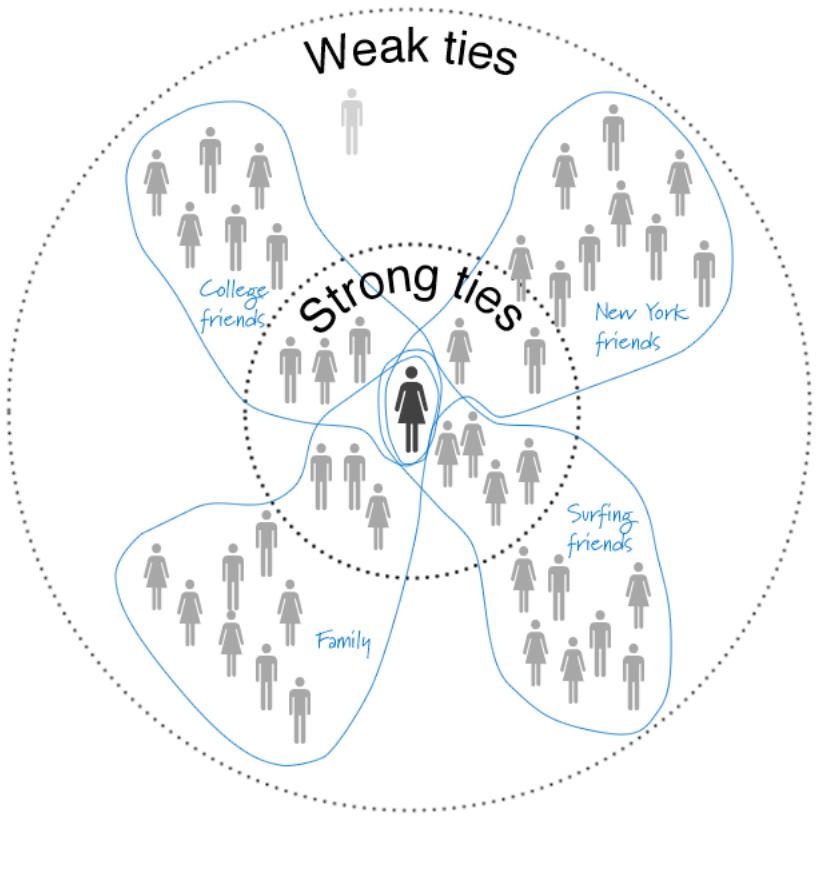
You are invisible.
[Go visible](#)

So they turn themselves invisible. Everyone in their list sees them as offline. This is broken. This is a broken user experience. It's broken because the people they care about, people that they would welcome a chat with, also see that they are 'offline'.

I think really carefully
before posting my status.

This problem isn't just limited to IM, we see it on social networks too, people self-censor all the time.

**A good
framework exists
around designing
for relationships**



We actually have a framework for thinking about, and designing for, our different relationships. For decades, people have spoken about strong and weak ties. There is an abundance of research on strong and weak ties.

**Strong ties are
the people you
care about most.**



Strong ties are the people you care about most. Your best friends. Your family. People often refer to strong ties as their “circle of trust.” We rely on strong ties for emotional support throughout life. Research has shown that maintaining our strong ties is important for our well-being. People with strong friendship bonds have lower incidents of heart disease, and get fewer colds and cases of the flu.

How many
strong ties does
the average
American have?



A study of 3000 randomly chosen Americans showed that the average American has just four strong ties. Most had between two and six.

How many
people do
Americans have
that they speak to
or meet at least
weekly?



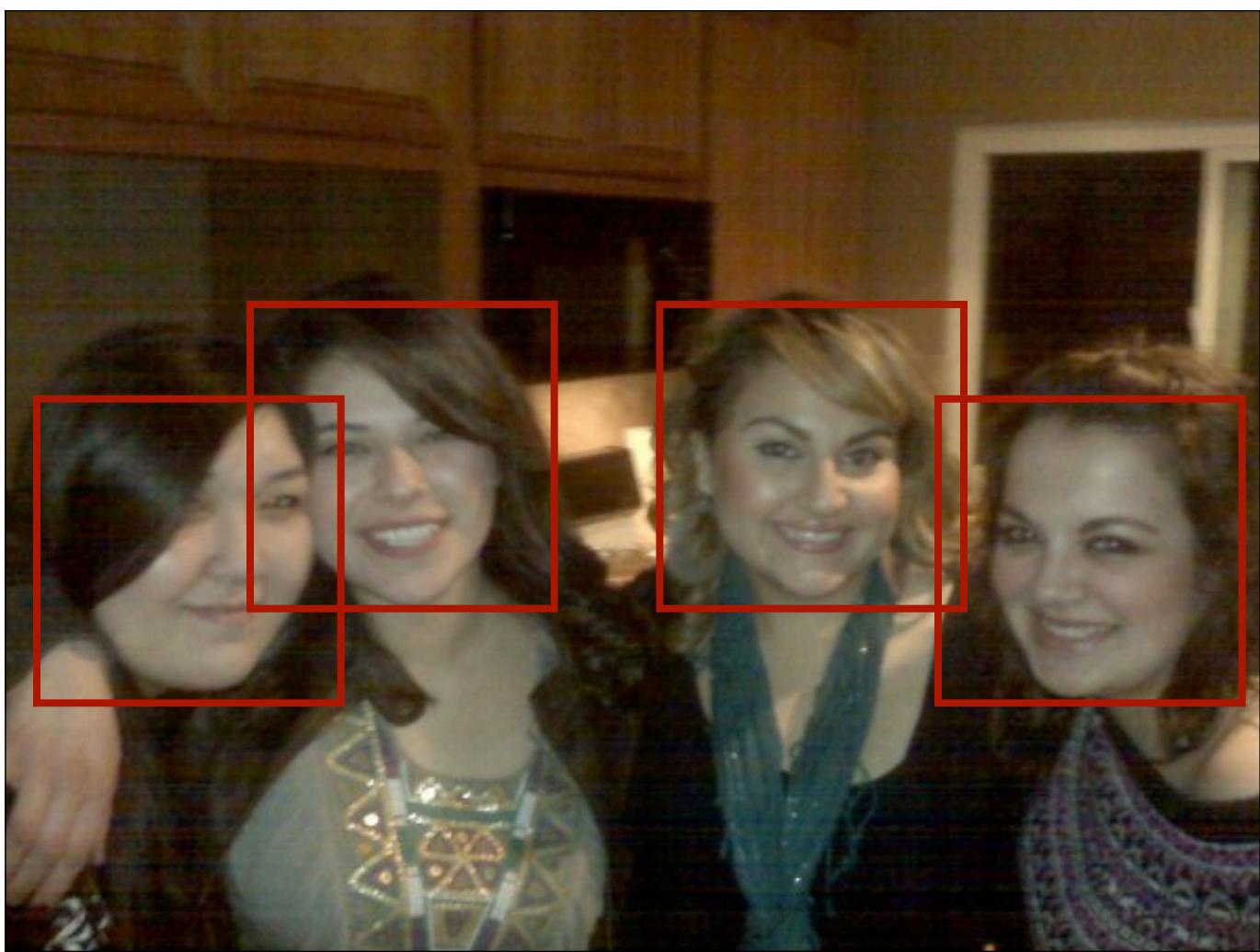
Another study of 1,178 adults found that on average, people had about 10 friends they meet or speak with at least weekly.

On Facebook,
how many people
do users interact
with regularly?

Average of 130
Facebook friends

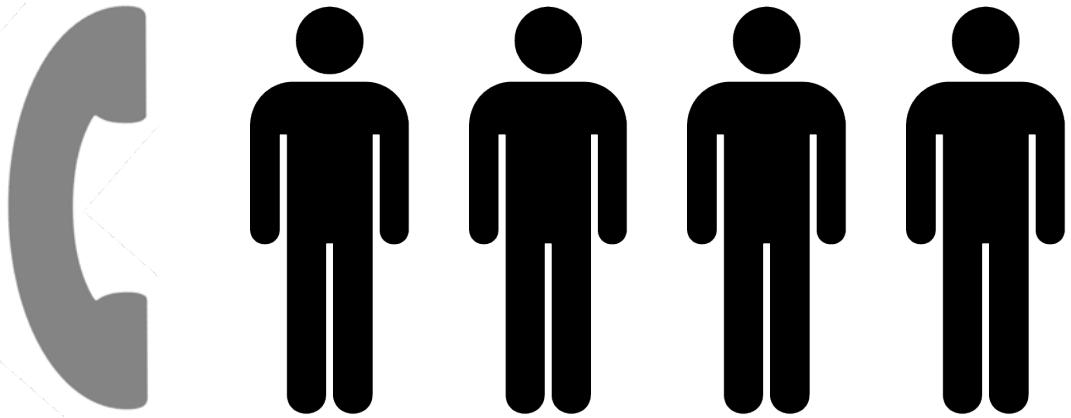
Only interact regularly
with 4 to 6

Many research studies have shown that the vast majority of usage on social networks is with small numbers of strong ties. The average number of friends on Facebook is 130, and many users have many more. Yet despite having hundreds of friends, most people on Facebook only interact regularly with 4 to 6 people.



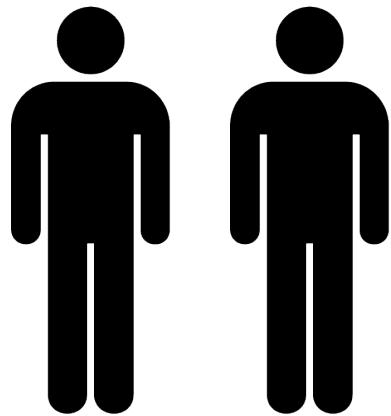
In another study, researchers analyzed all the photographs posted on Facebook pages in one college. When they looked at how many friends people had (based on who was in their photos), the average was 6.6

80%

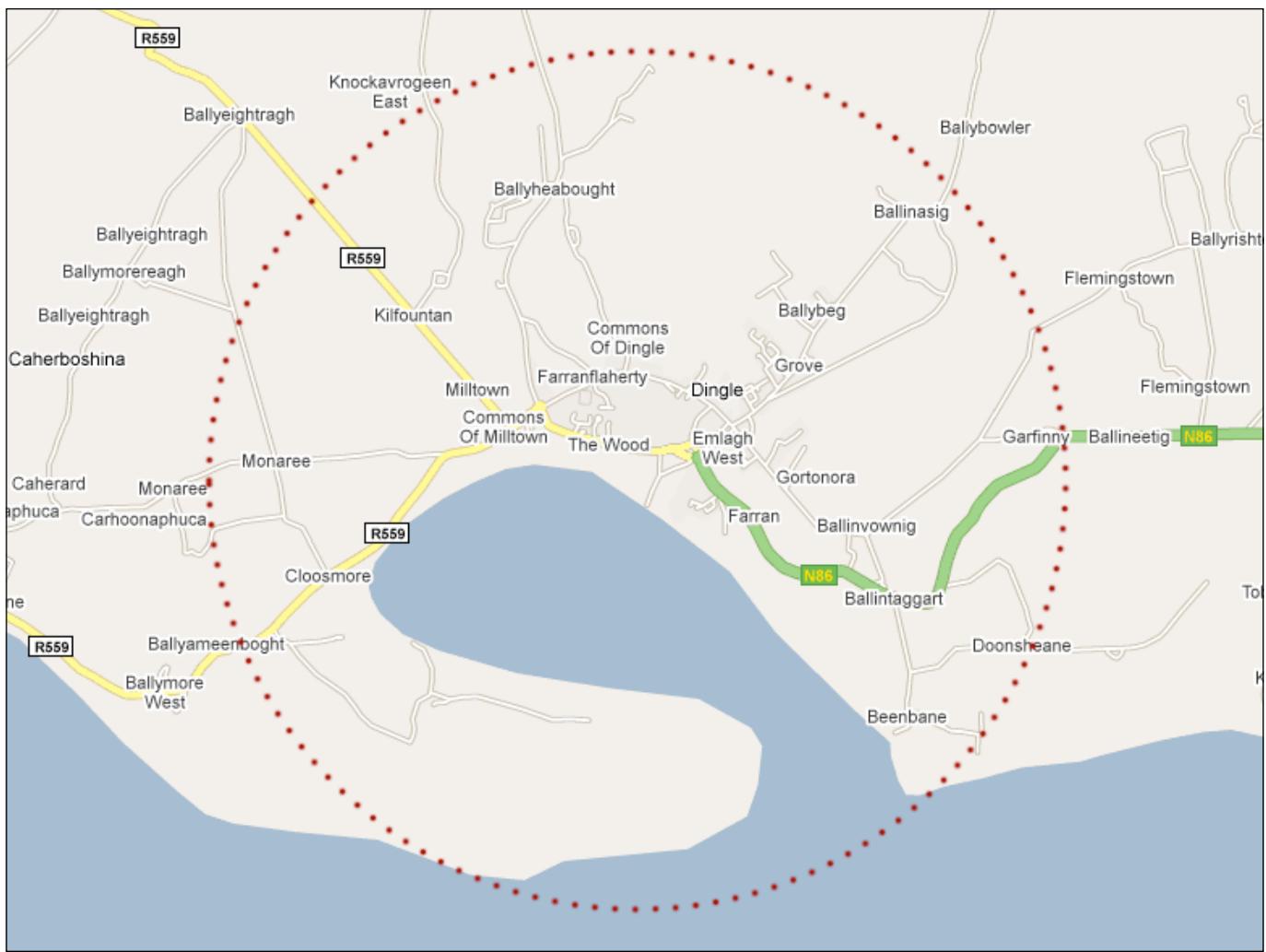


Strong ties also dominate phone usage. 80% of phone calls are made to the same 4 people.

80%



80% of Skype calls are made to the same 2 people.

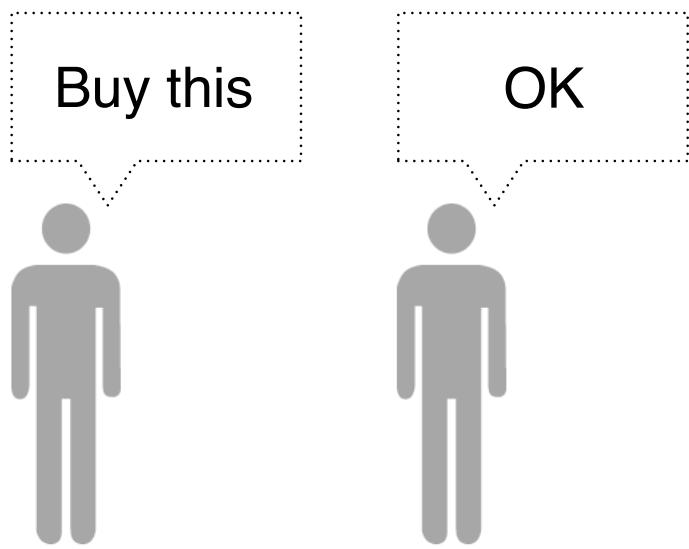


A study in the 1970s showed that the majority of phone calls were to people who live within five miles of the caller's home.



<http://www.flickr.com/photos/molemaster/3491059121/>

And studies in online gaming show that gamers are most often playing with strong ties who they already know.

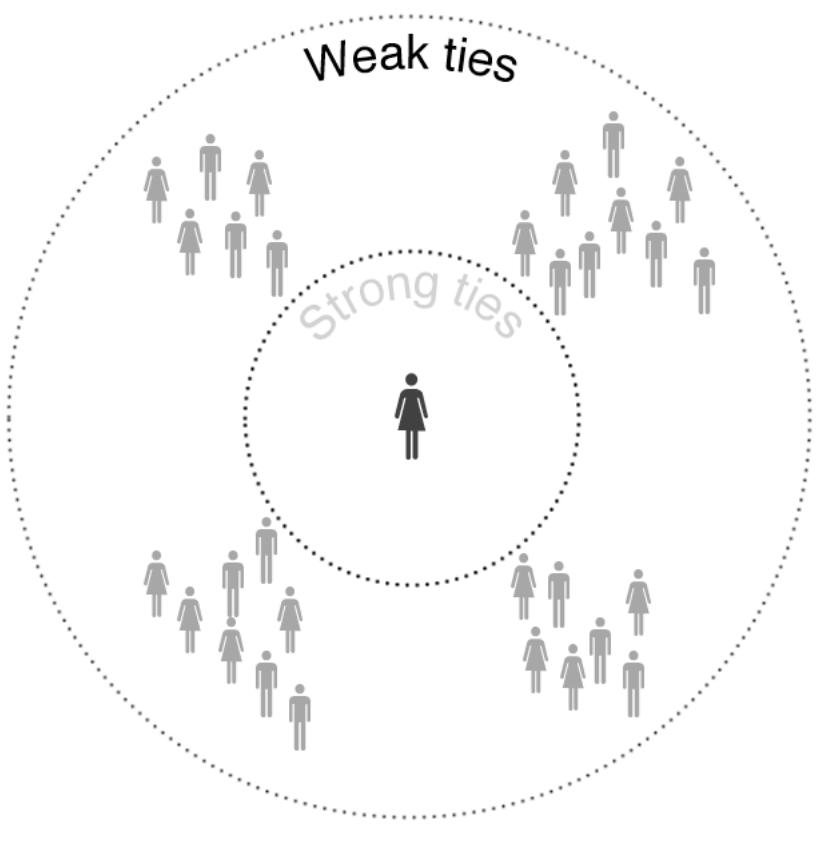


Strong ties often wield the most influence over people's decisions. For example, they are often the biggest factor in purchase decisions. Think about the last time you consulted a friend on whether to buy something. Chances are, it was quite recently.

Design for



So much of our lives revolve around our strong ties, and we need to think about designing for them as distinct from other types of relationships.



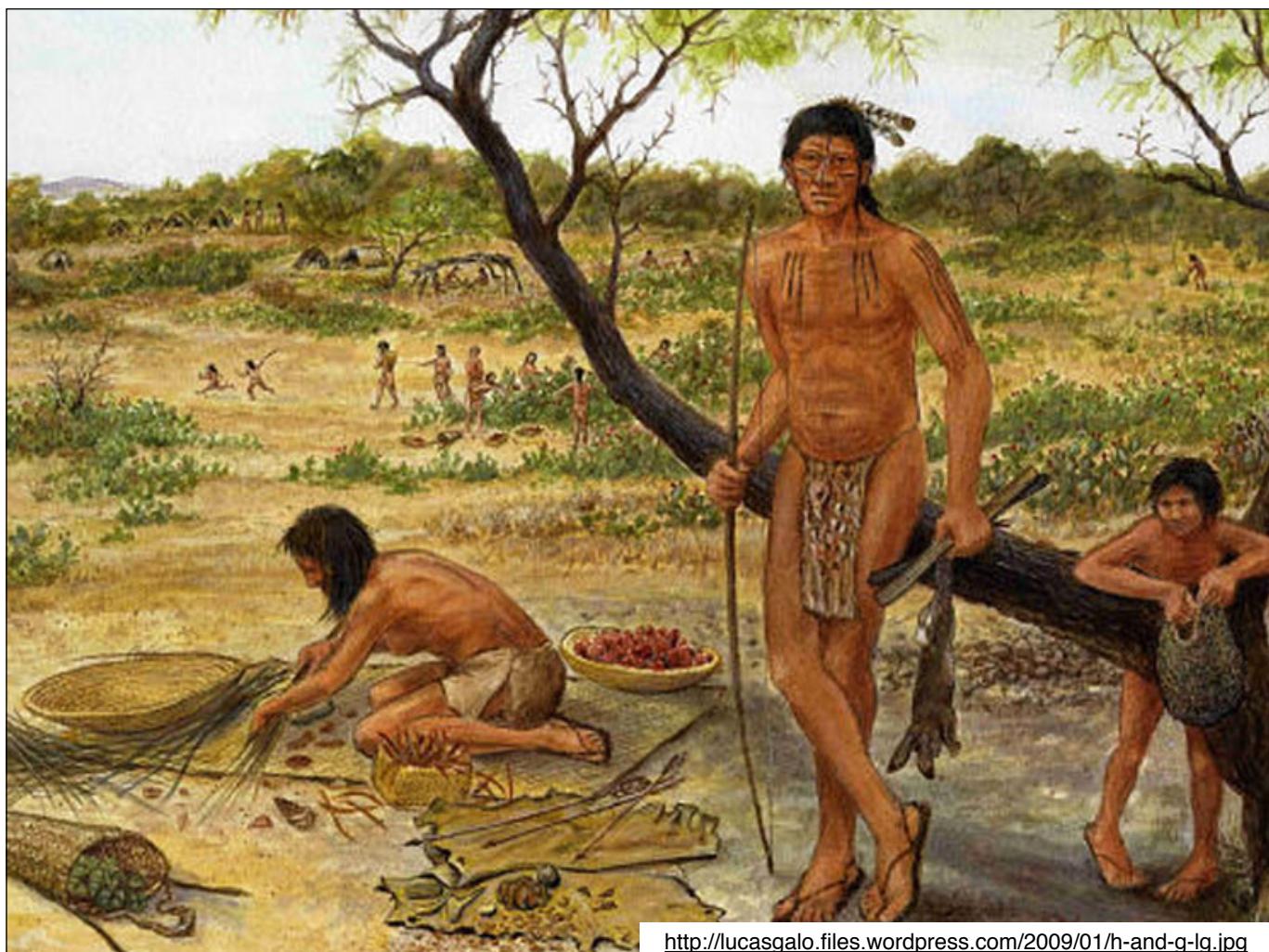
Let's look at weak ties. Weak ties are people you know, but don't care much about. Your friends' friends. Some people you met recently. Typically, we communicate with weak ties infrequently.

**Our brains can
only keep up with
a limited number
of weak tie
relationships.**

Our brains can only handle a limited number of weak tie relationships

150

Most of us can only stay up-to-date with up to 150 weak ties. This is a limitation of our brain. This number has been consistent throughout history.



<http://lucasgalo.files.wordpress.com/2009/01/h-and-g-lg.jpg>

Neolithic farming villages tended to separate into two once they reached 150 inhabitants.



The Roman army was split into groups of 150 so that everyone in the group knew each other.



It is still true today, online as well as offline. There is evidence that when online games involving social interaction reach about 150 active users, group cohesion collapses, resulting in dissatisfaction and defection.

User contributions

From Wikipedia, the free encyclopedia

For new accounts

Search for contributions

Show contributions of new accounts only

User: Namespace:

Tag filter:

From year (and earlier): From month (and earlier):

(latest | earliest) View (newer 50 | older 50) (20 | 50 | 100 | 250 | 500)

- 18:17, 28 March 2010 (hist | diff) m Cathleen Crowell Webb . . Ossarider (talk) (top)
- 18:17, 28 March 2010 (hist | diff) The Hong Kong Federation of Youth Groups . . 2009650810yeung10 (talk) (\rightarrow 70s & 80s: Tsuen Wan is correct; t
- 18:17, 28 March 2010 (hist | diff) SA TrackWorks Productions . . Buttons88 (talk) (\rightarrow Production, Playing and Songwriting Credits) (top)
- 18:17, 28 March 2010 (hist | diff) Nm User:Thelando/Jason Landowski . . Thelando (talk) (create) (top)
- 18:17, 28 March 2010 (hist | diff) Wikipedia:Requests for feedback . . Wikifountain (talk) (\rightarrow GodfreyKalimugogo) (top)
- 18:17, 28 March 2010 (hist | diff) New Holland Ag . . Smagliola (talk) (\rightarrow Added New Holland offices and plantes and references) (top)
- 18:16, 28 March 2010 (hist | diff) m 7.62x54mmR . . Gunnar001 (talk) (\rightarrow Rifles) (top)
- 18:16, 28 March 2010 (hist | diff) Nm User:Zefster . . Zefster (talk) (\leftarrow Created page with 'I'm just here to fix typos and broken links. :)'') (top)
- 18:16, 28 March 2010 (hist | diff) Fourth Amendment to the United States Constitution . . Kdparttimer (talk) (top)
- 18:16, 28 March 2010 (hist | diff) Cootes Paradise . . Ttheysmeyer (talk) (top)
- 18:16, 28 March 2010 (hist | diff) m Product recall . . Ponydepression (talk) (\rightarrow The Netherlands: corrected spelling) (top)
- 18:16, 28 March 2010 (hist | diff) Macintosh . . Bobthechick (talk) (\rightarrow History) (Tag: blanking)
- 18:16, 28 March 2010 (hist | diff) Louis Cafora . . Lindadominos (talk) (\rightarrow Following his disappearance) (top)
- 18:16, 28 March 2010 (hist | diff) Wikipedia:Articles for deletion/English as first foreign language initiative . . Mahdi.mrabet (talk) (\rightarrow English as firs
- 18:16, 28 March 2010 (hist | diff) Soviet art . . Leningradartist (talk) (\rightarrow Socialist Realism era) (top)
- 18:15, 28 March 2010 (hist | diff) Guyana . . Cadfan (talk) (\rightarrow Education) (top)
- 18:15, 28 March 2010 (hist | diff) EcoStiletto.com . . Millypuff (talk) (\rightarrow Facts and Figures) (top)
- 18:15, 28 March 2010 (hist | diff) Category:Erbil . . Tiraios-of-Characene (talk) ($All related to the City of Erbil$ Category:Erbil Governorate) (top)
- 18:15, 28 March 2010 (hist | diff) Eddie Benitez . . Angelsonmystage (talk) (top)

Similarly, Wikipedia involvement tends to plateau at about 150 active administrators.

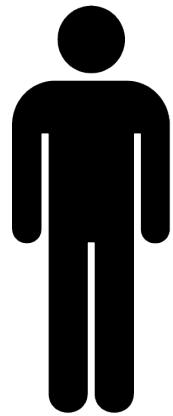
150

So we can only stay up-to-date with up to 150 weak ties.

The image shows a user's friend list on a social media platform. At the top left, the word "Friends" is displayed in red, with a blue circle drawn around it. To its right, the number "328 friends" is shown in blue. Further to the right is a "See All" link. Below this header, there are five profile cards, each consisting of a small photo and the friend's name in blue text. The first card shows a group of people at a bar, labeled "Samantha". The second card shows two women, labeled "Yessica". The third card shows a man and a woman, labeled "L's". The fourth card shows a woman smiling, labeled "Elizabeth". The fifth card shows a group of people at a bar, labeled "Alex". The sixth card shows a group of people, labeled "Zainab".

We may know many more, but we can't stay up-to-date with what is happening in their life. Think about your connections on your social network. For how many of them could you describe something that happened in their life in the last few days? What about the last week? The last month? How many would you join, uninvited, at a chance meeting in a bar? It's unlikely to be more than 150. Social networks don't necessarily create more connections, they just make our existing connections more visible.

**Online social
networks make it
easier to
reconnect and
catch up with
weak ties**



facebook.

Social networks have changed some aspects of our weak tie relationships. We now have an easy route to connect to them that didn't previously exist. In the past we would have to meet or phone them to catch up


[Send Danielle a Message](#)

Danielle

[Add as Friend](#)
[Wall](#)
[Info](#)
[Filters](#)
[Create an Ad](#)
Facebook Suggestion: Keith

[Add as Friend](#)

[?]

[More Ads](#)

Danielle


Danielle rescued a baby squid in Happy Aquarium!

Danielle found out that this poor Baby squid is going to be turned into dinner! The baby squid is to...

[See More](#)

 4 hours ago via Happy Aquarium · [Adopt Baby Squid](#)


Deanna

I C U GOT UR SQUID! LOL

2 hours ago

Information

 Relationship Status:
In a Relationship with
 Anthony

Current City:

[Report/Block this Person](#)
[Share](#)


Danielle

No work...my boss is an over grown head that "forgot" 2 tell me im not on the schedule t... morning... so for making me drive across the island n bak I made him give hubby 5 for gas...l I HATE MY JOB!!! I need a new one!!!

5 hours ago via Mobile Web

[View all 4 comments](#)


Danielle

lmao hell yea

4 hours ago



Kamile

.MAO @ 'Over grown camel jockey

about an hour ago



Danielle

wOrK 9-5

6 hours ago via Mobile Web



Danielle

home...to much drama...work in the am

Yesterday at 10:34pm

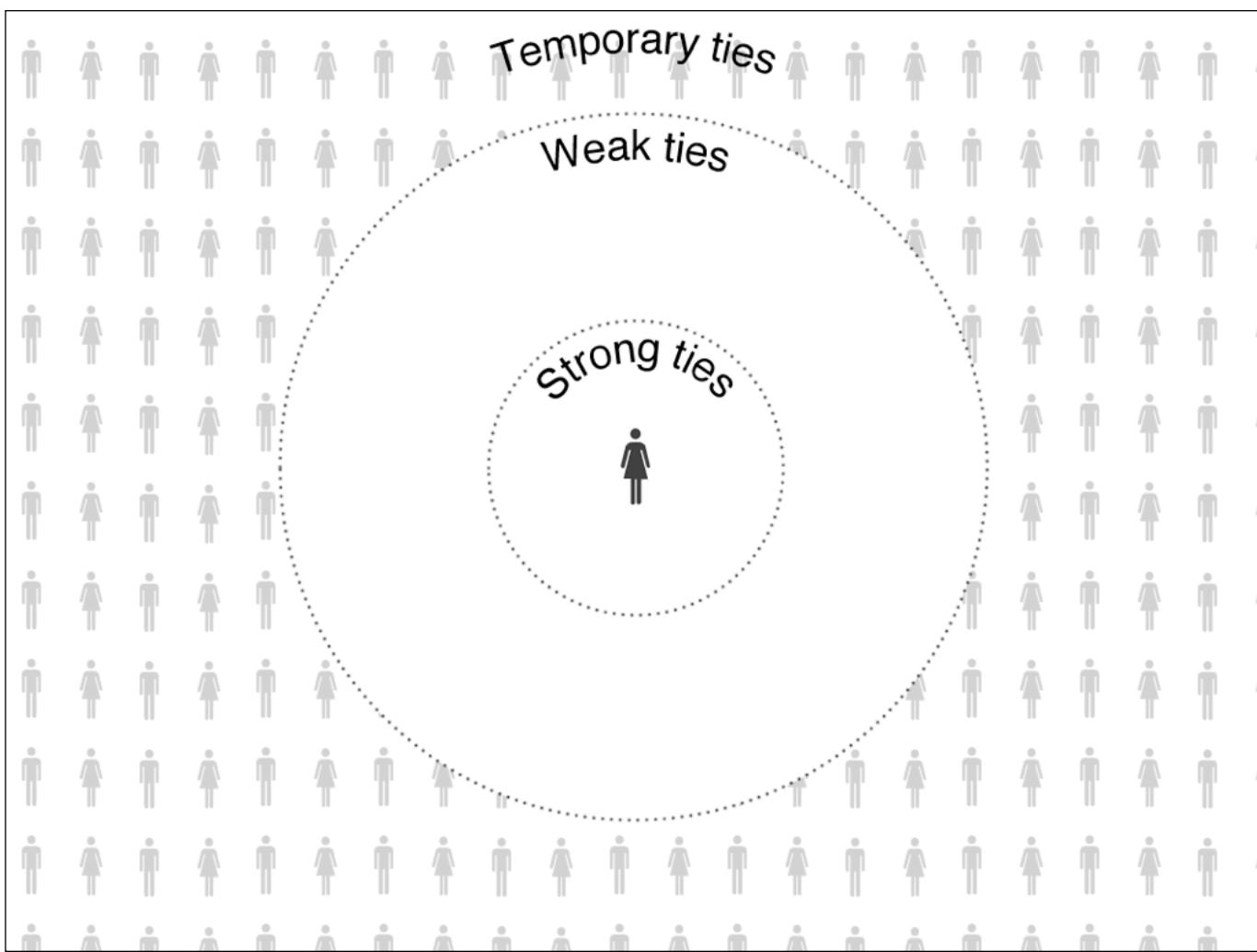


Edwin

now wut drama lol

Yesterday at 10:35pm

but we can now look at what they've been up to via their online social network profile. This lets us easily communicate with them - it gives us a lightweight route to get back in touch. This is a powerful route when we're sourcing new information.



But strong and weak ties are not enough when we think of relationships online. We need a new category of tie, and I call it the temporary tie. Temporary ties are people that you have no recognized relationship with, but that you temporarily interact with.

**Temporary ties
are becoming
more
commonplace
online**



<http://www.flickr.com/photos/jamesjin/58723031/>

A store assistant,



<http://www.flickr.com/photos/truckpr/3788915432/sizes/l/>

a call center employee,

"Absolutely Perfect hotel"



1 person found this helpful

I have stayed at another hotel before and I wanted to describe how wonderful Monmouth is. It is a wonderful shop.



TVBelle 3 contributions

[Save Review](#)

\$10

Show
Aver

Be
Ho



TVBelle

Contributions

Reviews (3)

Location: Knoxville, Tennessee

My travel style: Splurge occasionally

I usually travel for: Work and Fun

Age: 35-49

Gender: Female

[See the cities I've visited](#)

[See full profile](#) [Send a message](#)

"ABSOLU



bryonif 1 contribution

Oxford

the person who wrote the online hotel review,



Messykat...

TOP CONTRIBUTOR

20%
Best answer

9653 answers

TOP CONTRIBUTOR

Cats
Dogs
Weddings

Member Since: March 12, 2008

Total Points: 43471 (Level 7)

Points earned this week: 707

Add to My Contacts Block User

5 hours ago

1 0 Report Abuse

the person who answered your forum question,

vrtehlers (4 months ago)

Thank you for sharing with us. Greetings from Germany.

the person who commented on your YouTube video,



jmjenkins (53 ★)

Positive Feedback (last 12 months): 100%
[How is Feedback Percentage calculated?]

Member since: Jun-29-99 in United States

Recent Feedback Ratings

(last 12 months)

[?](#)

	1 month	6 months	12 months
--	---------	----------	-----------

	Positive
--	----------

2	6	15
---	---	----

	Neutral
--	---------

0	0	0
---	---	---

	Negative
--	----------

0	0	0
---	---	---

the person who you bought from on eBay.



jjenkins (53 ★)
Recent Feedback Ratings (last 12 months) 100%
Show all feedback Percentage calculated?
Member since: Jun-29-99 in United States

	1 month	6 months	12 months
Positive	2	6	15
Neutral	0	0	0
Negative	0	0	0

Absolutely Perfect hotel 33
Reviews 1 contribution
\$11
Tribes 0
Reviews 0
Member since: Jun-29-99 in United States
Age: 38 years
Gender: Female
Give the place I've visited
Be HOTEL
Add full profile Send a message



20%
MESSAGES
Member since: March 12, 2008
Total Points: 4,247 (3.6-mo.)
Points this week: 737
Add to My Contacts Block User

vreihlers (4 months ago)
Thank you for sharing wif

Temporary ties

Weak ties

Strong ties

Once the task has been completed, temporary ties are unlikely to interact again. You don't know these people beyond the one conversation you had, or the words they typed and whatever online profile they have. Your interaction with them is temporary. With the rise of user generated content online, temporary ties are becoming more important.

Trust

As designers, the biggest thing we need to think about when designing for temporary tie interactions is trust.

 Great Boots

By David  VERIFIED REVIEWER from New York, NY on 3/8/2010

 Not wide enough in the toe

By John  VERIFIED BUYER from Moreno Valley, CA on 1/12/2010

How can we design in things that help people understand whether they should trust each other? Here is a nice example from evogear.com. I can start to trust this review because I know that the person actually bought the skis he's reviewing.



jmjenkins (53 ★)

Positive Feedback (last 12 months): 100%
[How is Feedback Percentage calculated?]

Member since: Jun-29-99 in United States

Recent Feedback Ratings (last 12 months)			
	1 month	6 months	12 months
Positive	2	6	15
Neutral	0	0	0
Negative	0	0	0

57 of 59 people found the following review helpful:

★★★★★ I'm buying one for all my friends., January 27, 2002

By W. Todd (Decatur, GA United States) - See all my reviews

The book is well written and has a good story line. It's a great book for adults to d...
believe it or not, I am a fan of the book. I have read it twice and I am still...
to a point where I am not sure if I should read it again. I am not sure if I...
quid, but I am not sure if I should read it again. I am not sure if I...
per...
The book is well written and has a good story line. It's a great book for adults to d...
believe it or not, I am a fan of the book. I have read it twice and I am still...
to a point where I am not sure if I should read it again. I am not sure if I...
quid, but I am not sure if I should read it again. I am not sure if I...
per...
Last activity
2 days ago



W. Todd
United States
REAL NAME™

Contributions

Reviews (26)

Helpful votes received on above contributions:

94% (655 of 711)

> See profile | Add to Interesting People

s for adults to d...

ee, explore, turn

be true through a

wers. Just questi

ns for adults to d...

ee, explore, turn

be true through a

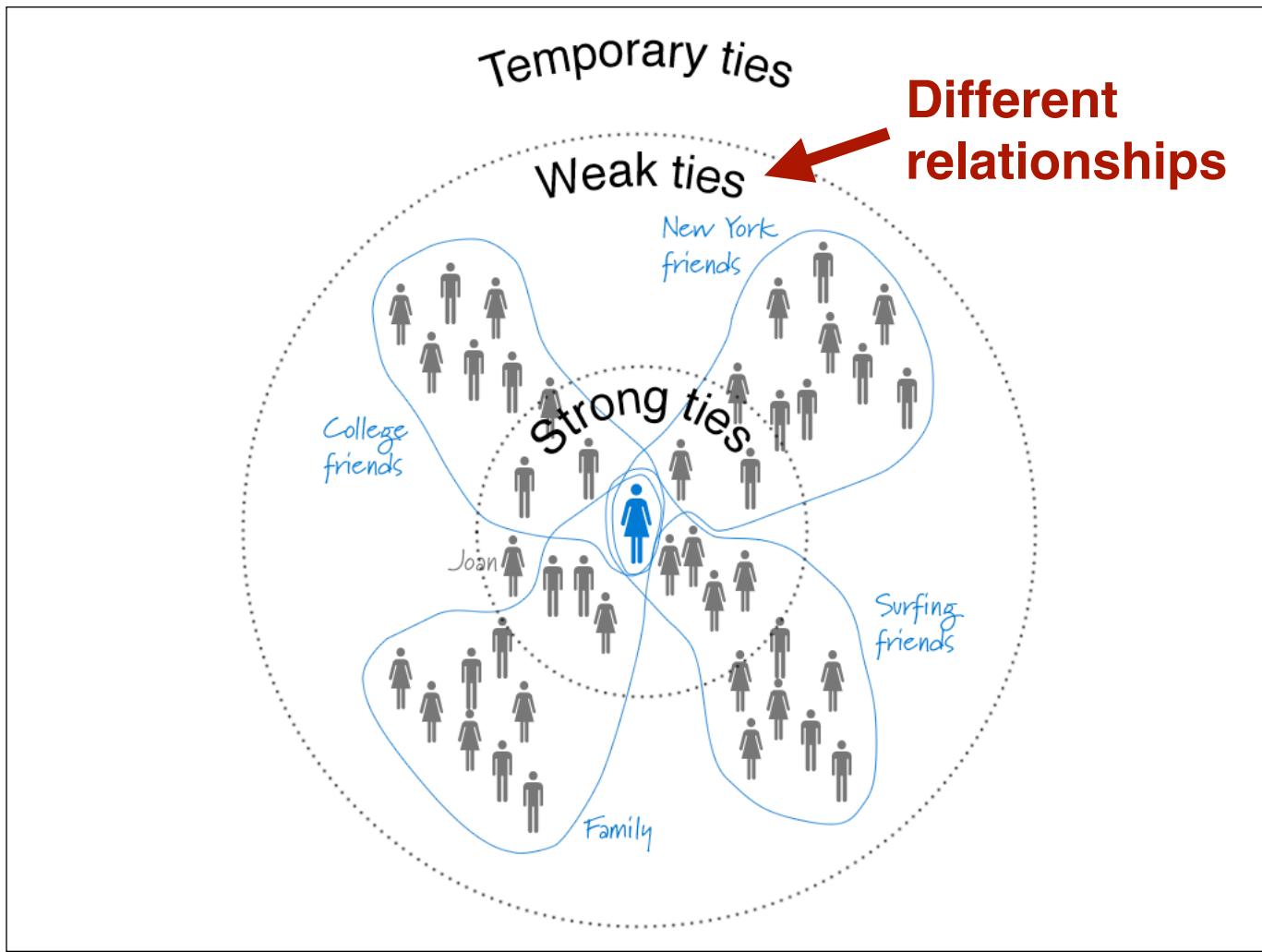
wers. Just questi

spires. It's absc

m or perception l

ipings, poetry, pl

assorted junk found on globe trotting vacations by the book's compiler.



So let's go back to our diagram. We have different groups. They are independent. But now, we can also see that we have different types of relationships.

This is the eco-system around which we need to design. But you'll probably never need to design for them all at once. It's more likely that you'll be designing for one type of tie.

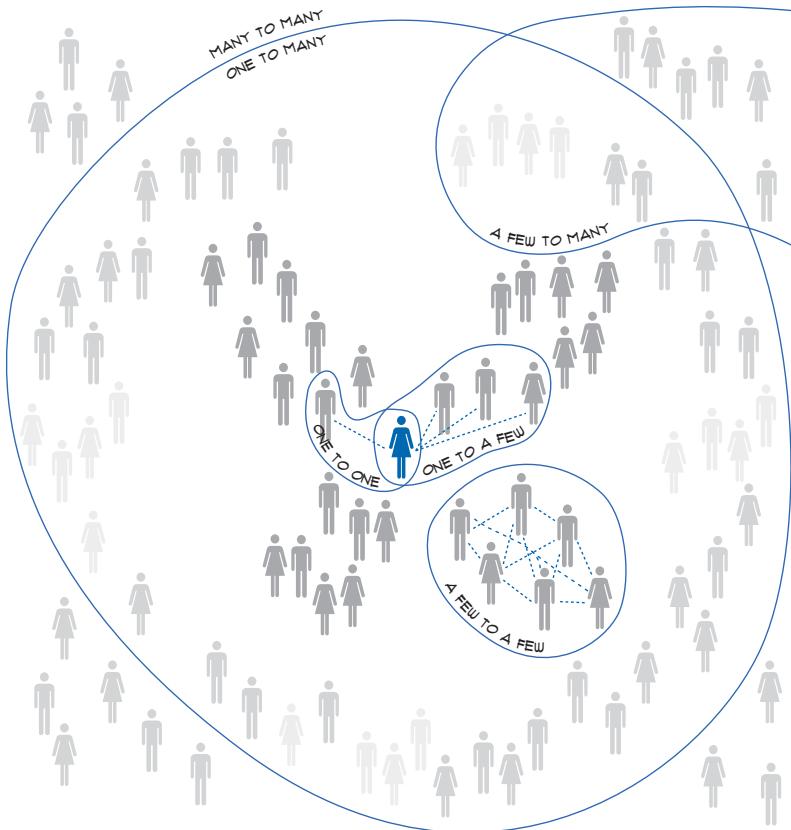
What type of tie are you designing for?

Knowing which tie you're designing for can really help you prioritize features.

Consider how to design for different types of relationships. Something designed for close friends to interact will look a lot different than something designed for friends of friends to interact, which will look different than something for strangers to interact.

Don't try to design something for all types of relationships. You'll simply end up with a compromised solution for everyone. Understand which types of relationship ties are most important for what you're creating, and design primarily for them.

HOW PEOPLE COMMUNICATE WITH EACH OTHER



People have different audiences for communication. They may need to communicate with one person, a few people, or many people. There are also times when a few people need to communicate with each other, or when a few people need to communicate with many people.

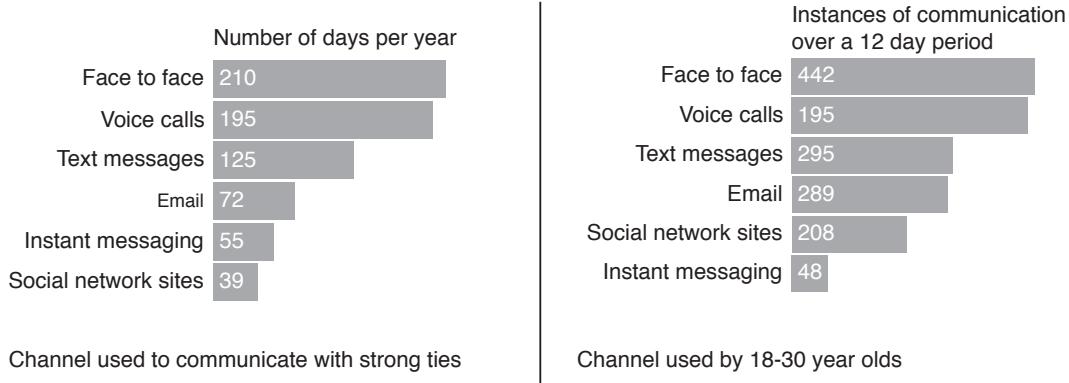
The other person and their relationship

The content being communicated

The urgency of reply required

The level of privacy required

Businesses need to consider all these factors when choosing the best communication features for their consumers (for example, whether they should build a forum or support instant messaging for customer service).



Voice calls and text messages dominate social network users' communication habits. On average, social network users use phone calls and text messages more frequently than social networks to communicate. This is true for teens as well as adults. Teenagers' most frequent channel for communication with friends is text messaging, closely followed by voice calls and talking face to face.

7 to 15 people

People interact with very few of the connections in their network. Because attention is a scarce resource online, people interact with the people closest to them, and the people who reciprocate their attention. The majority of communication instances happen with a small number of strong ties. Although weak ties are much bigger in number, communication with them is very infrequent. Research shows that on average, people have ongoing communication with between seven and 15 people, but most communication is concentrated around a person's five strongest ties.



Many people use email for very private exchanges. For example, sharing photos or sensitive articles that they would prefer not to post on a social network. Some young adults use email to communicate with their strongest ties because their social network is overloaded with information from lots of different people, and their message might not be noticed.

Just home from work OMG!
what a day!

Status updates are often perceived as a narcissistic activity. But research has indicated that they support important social functions. People have four primary reasons for updating their status:

- People update their status to shape how others perceive them.
- People update their status to maintain and grow relationships.
- People update their status to share content that others might find valuable.
- People update their status to source information.

Which communication channel does your audience need?

People's online communication channels need to support the right types of interaction and audience. Ensure you know what your users need. A feature that is designed to support one-to-one communication will look different than one designed to support one-to-many communication.

Different channels have different attributes that make them more or less appropriate for communication with different audiences. Understanding these attributes, and when and why people use different channels, can help companies give people the right communication options at the right times.

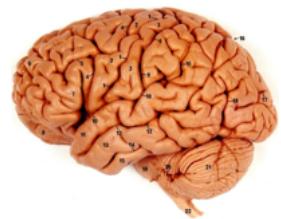
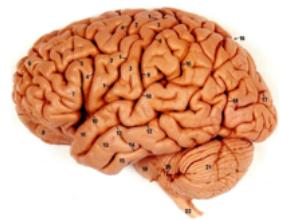
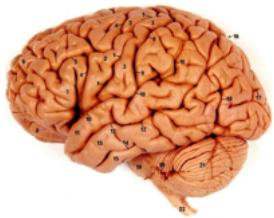
HOW PEOPLE INFLUENCE EACH OTHER

Understanding how people influence each other is not simple.



We rarely make decisions alone. In the 1960s, Tupperware built a million dollar business on the fact that we rarely make decisions alone. Before Tupperware, many products were sold by the door to door salesman. Tupperware changed this. They sold to people in groups. If your friend and neighbor is buying Tupperware, it must be good.

**We often look to
others when
making decisions**



People try to behave rationally, they try to make objective decisions, but other factors mean that they can't. The problem is that we all have limited access to information, and limited memory. Because of this, we have learned to rely on others to help us make decisions. We assume that other people know things we don't. In fact, we do this so often, that we automatically look to the actions of others, even when the answer is obvious.

**Increasing our
reliance on social
networks to make
decisions**



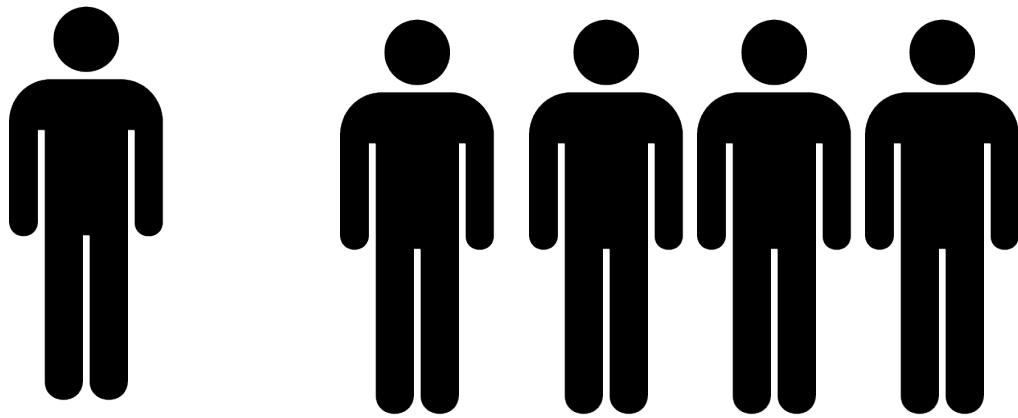
Information



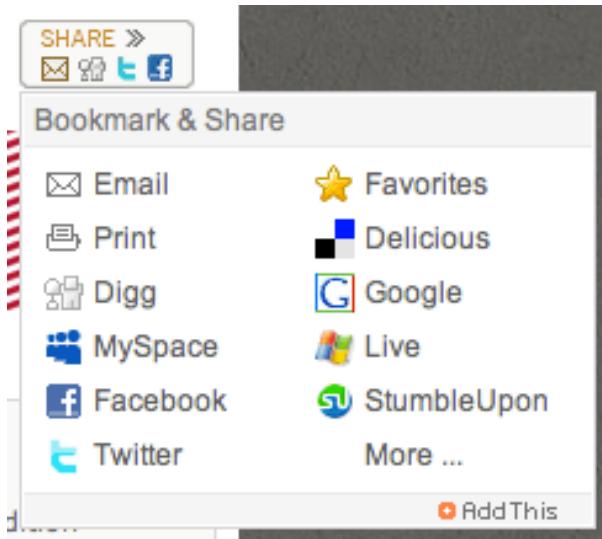
Memory

The web is increasing the volume of information available to us, but our capacity for memory isn't changing. So it's likely that we'll increasingly turn to others to make decisions. There was once a time when we picked what restaurant to eat in by looking in the window. But now, we often can't decide without pulling out our phones and searching the web for reviews from people who have eaten there before.

My decisions are being made over here.



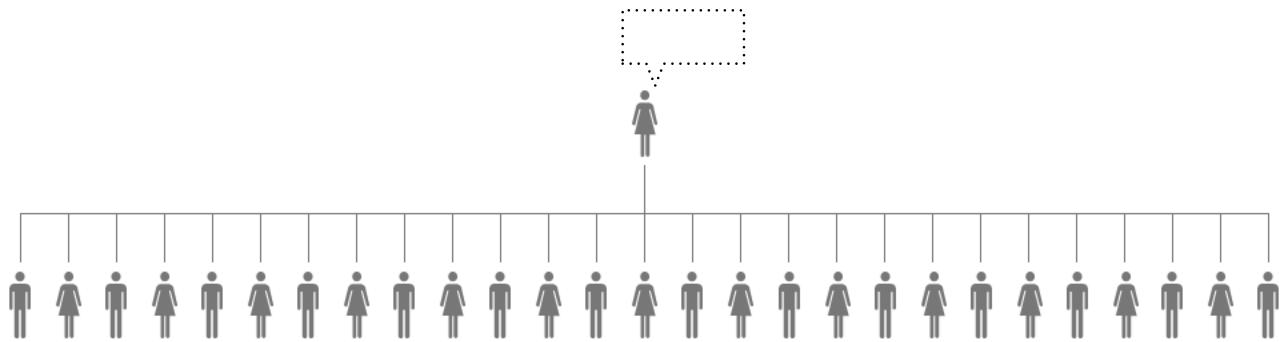
If other people are heavily influencing our decisions, and in some cases making the decisions for us, how does this impact what we buy, what sites we visit, how we spend our time? If we want people to use our products, to use our website, it is important that we design in features that support our friends making decisions for us. We see it in some simple forms already, like here where you can email a friend for advice. But we can layer on



We see it in some simple forms already, like here where you can email a friend for advice

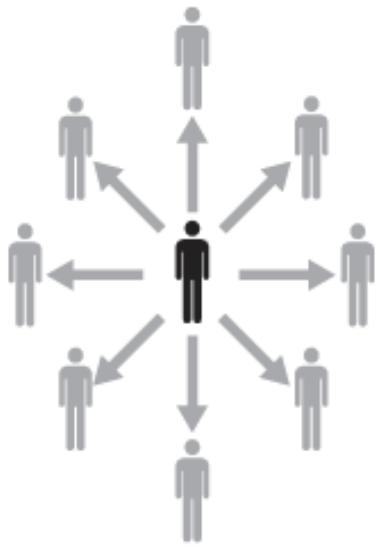
The role of influentials is over estimated

How people influence each other is complex, and the role of "influentials" in society is over-estimated

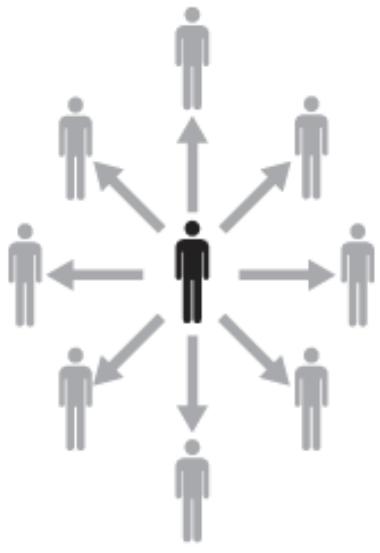


Understanding how people influence each other is not simple. It's certainly not as simple as many people believe - that there are a small number of very influential people in society, and if you reach and influence them, they will influence hundreds, thousands and even millions of others. Many research studies have shown that other factors play a much bigger part in how people are influenced.

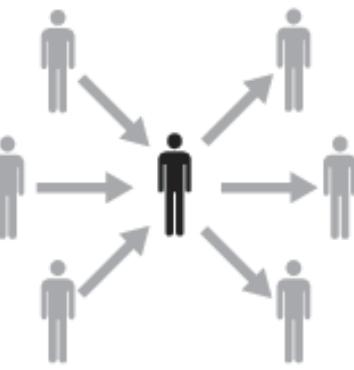
**What does a hub
look like?**



What we think hubs look like



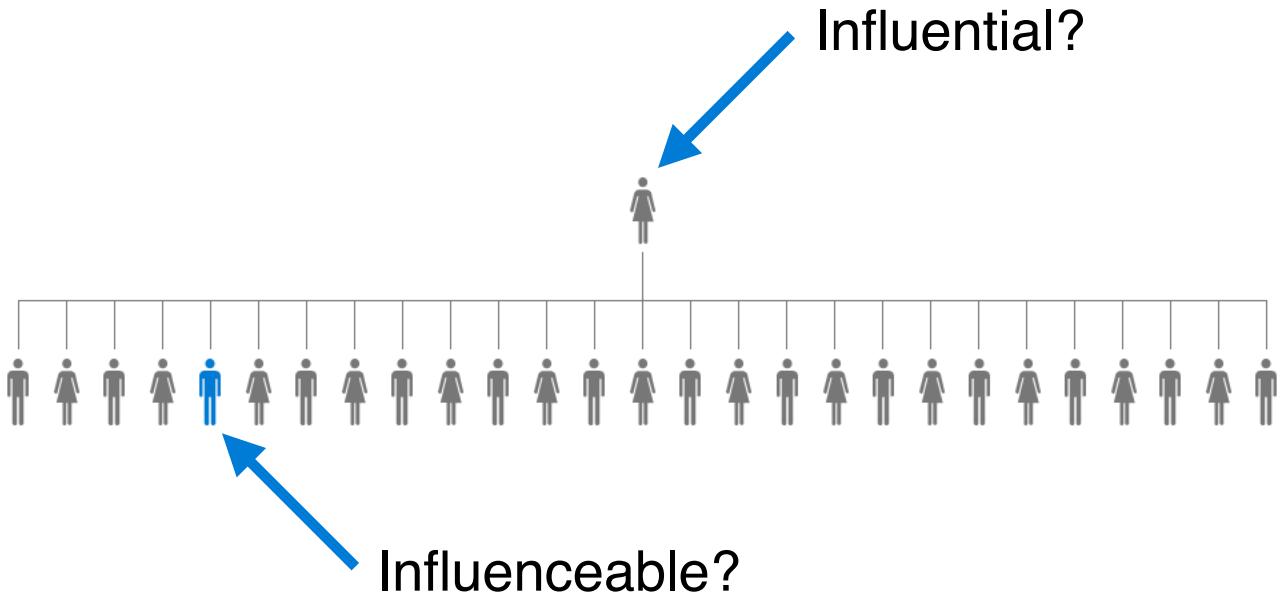
IN-DEGREE CONNECTIONS



OUT-DEGREE CONNECTIONS

What they actually look like

**Whether
someone can be
influenced is as
important as the
strength of the
influencer.**



There may be some individuals who have great influence, but it is without doubt that how people influence each other has many other factors. A key insight is that when we study how people influence each other, it's important to focus on the person being influenced as well as the person doing the influencing.

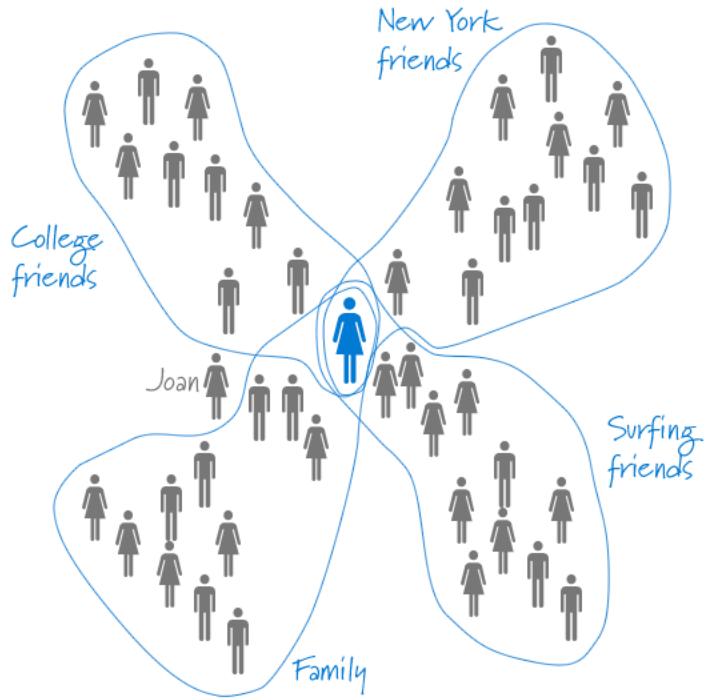
What their social network looks like

What they have experienced before

There are two primary factors in understanding whether someone can be influenced:

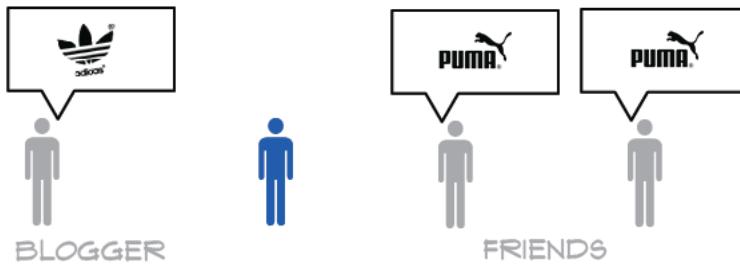
- What their social network looks like
- What they have experienced before

I'm only going to focus on the top one today.

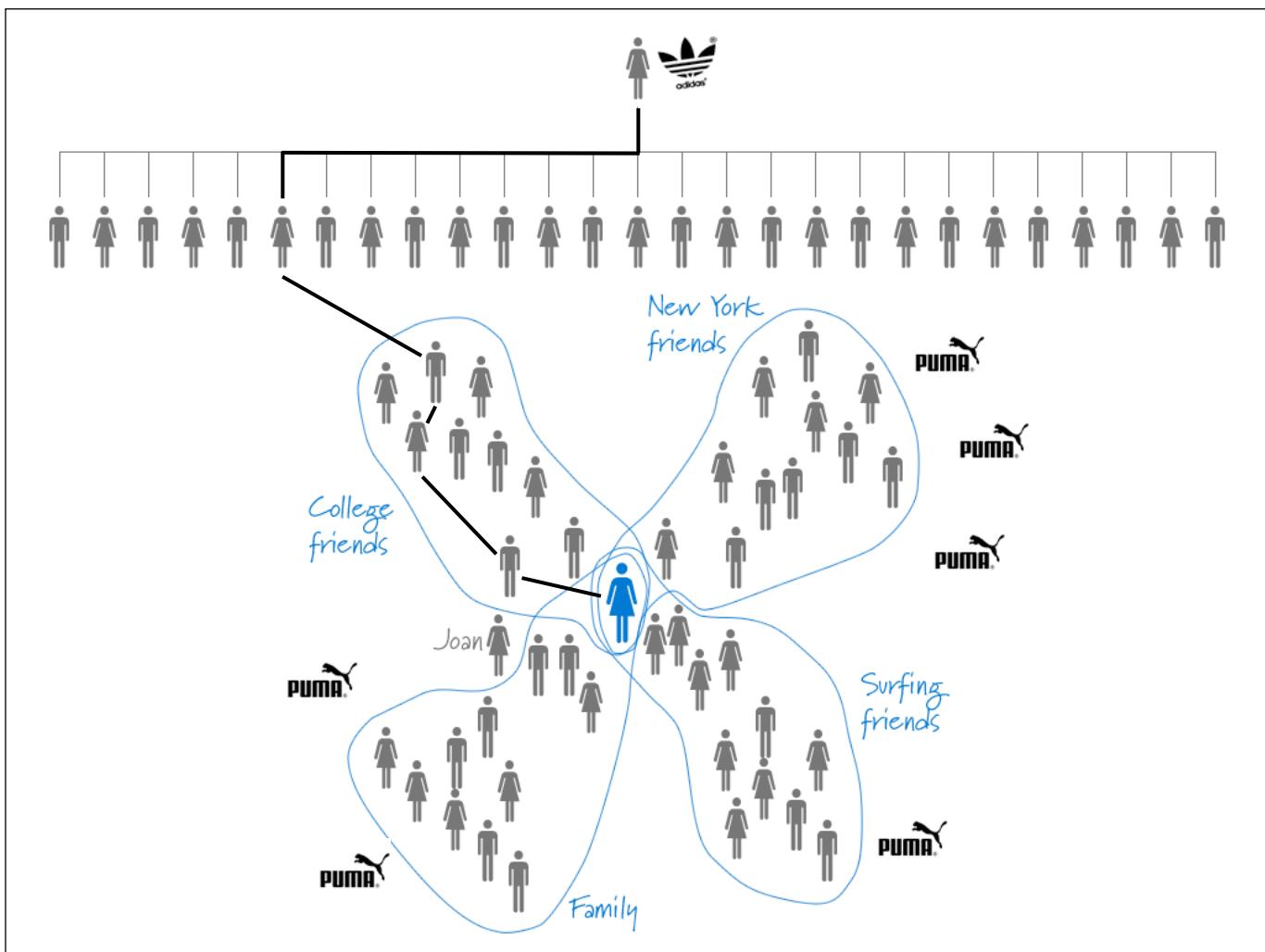


What their social network looks like includes:

- How big the network is
- Who is connected to who in the network
- What messages flow through it and across it
- How long the messages last in the network



Here's a simple example. Let's imagine an "influencer" was telling me to buy Adidas. But two of my other friends are telling me to buy Puma. The more people that give us an opinion, the less influenced we are by any one of those opinions. So you may think you're targeting the most influential person in a group or community, but if multiple other people in that group or community think your product is bad, your efforts in reaching the "influentials" are wasted.



What if everyone else is telling me how great Puma are? How influential is the Adidas message going to be? Was it a good idea to seed the highly connected person? Or would it have been better to seed widely and broadly across the network?

**We're heavily
influenced by the
people around us**

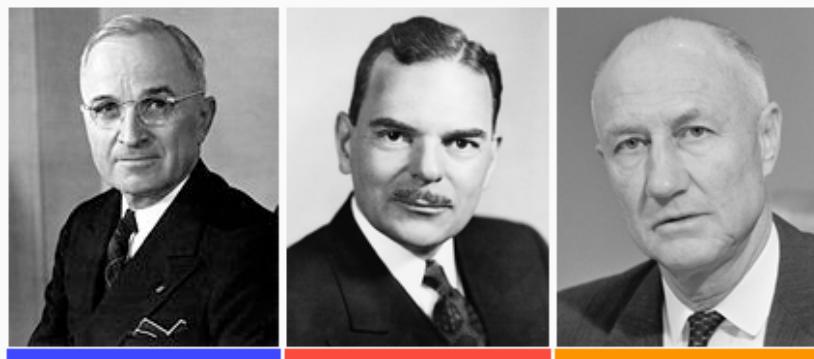


<http://www.flickr.com/photos/joanna8555/4041537710/>

Studies into buying behavior and decision making have consistently found that we are disproportionately influenced by the opinions and actions of the people around us. These can be the people around us in a physical space. Studies have shown that students with studious roommates become more studious themselves, and diners sitting next to heavy eaters tend to eat more.



However, it is more common for us to be influenced by the people we are closest to emotionally - our family, our best friends, and sometimes some of our co-workers.



Voting studies from the 1940s showed that when it came to deciding who to vote for, people were less influenced by the media, and much more heavily influenced by members of their family and close friends. This is also true with buying behavior today. This study might be 60-70 years old, but remember that these behaviors are hard wired into all of us.

Buy clothes —————→ Ask friends

Buy car —————→ Ask friends

Choose bank —————→ Ask friends

Choose job —————→ Ask friends

Donate money —————→ Ask friends

Vote —————→ Ask friends

This is how influence happens.

We need to design things to support these interactions.

MOST POPULAR

E-MAILED BLOGGED SEARCHED

1. David Brooks: The Broken Society
2. Well: Talk Deeply, Be Happy?
3. Your Money: When Not to Pay Down a Mortgage
4. Last Footfall in Nepal
5. Patient Money: Stressful but Vital: Picking a Nursing Home
6. Paul Krugman: Why We Reform

Time to buy? See the rise and fall of prices over the past 90 days.

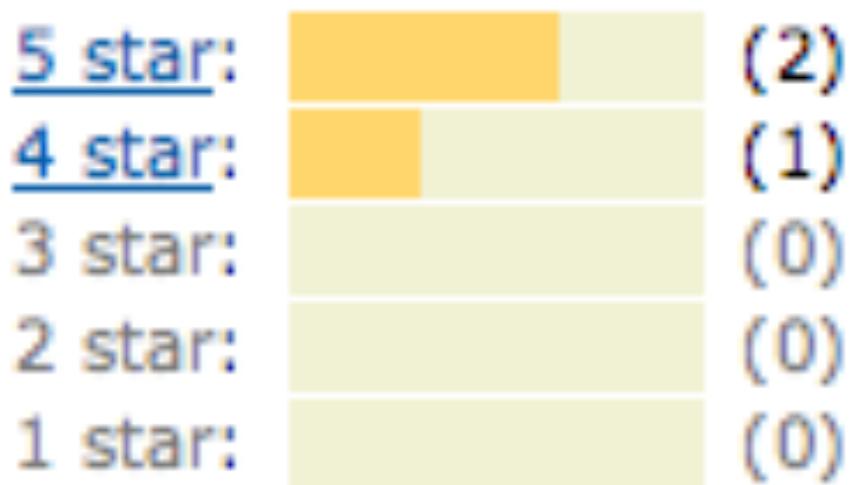
Best Fare Trend Departing, Friday, July 2, 2010



Our temporary ties influence us too. On the left, the New York Times shows the stories other people have been emailing, blogging, and searching. This influences what we might consider important to read next. On the right, Kayak.com shows the prices that other people paid for the same flight route over the past 90 days. This affects whether we consider the price we are being offered as cheap or expensive, and influences our decision to purchase.

Researcher Duncan Watts found that when choosing new music, knowing what music other people listened to was far more influential than whether the music was of high quality. He found that the music people downloaded was the music that other people had downloaded before them.

3 Reviews



A study about Amazon.com found that people tend to give items the same rating as people before them have given. A high average rating means that people are unlikely to give something a 1-star rating, even if that is what they had intended before they saw other people's ratings.

How are you showing other people's opinions?

Consider how to display multiple opinions, and how different versions might change people's behavior. Showing many opinions may result in few of them being influential.

Show how people are connected, up to three degrees.

When showing other people, consider how the information shown may change the viewer's behavior. This also applies to showing people's previous actions.

HOW PEOPLE DISPLAY THEMSELVES TO OTHERS

One huge part of the social web is how people represent themselves to others. How they represent their identity.

eat in or
take away

more seating
upstairs

patisseries
and cakes

speciality teas
and c

ea
cra



eat in or
take away

more seating
upstairs

patisseries
and cakes

Crutches

High heels



**People care
deeply about
how they look
to others**

[Send Danielle a Message](#)

Danielle

[Add as Friend](#)[Wall](#)[Info](#)[Filters](#)

Danielle



Danielle rescued a baby squid in Happy Aquarium!

Danielle found out that this poor Baby squid is going to be turned into dinner! The baby squid is to...

[See More](#)4 hours ago via Happy Aquarium · [Adopt Baby Squid](#)

Deanna

[I C U GOT UR SQUID! LOL](#)

2 hours ago

[Create an Ad](#)Facebook
Suggestion: Keith[Add as Friend](#)

[?]

[More Ads](#)**Information**Relationship Status:
In a Relationship with
Anthony

Current City:

[Report/Block this Person](#)[Share](#) +

Danielle

No work...my boss is an over grown head that "forgot" 2 tell me im not on the schedule t... morning... so for making me drive across the island n bak I made him give hubby 5 for gas...l I HATE MY JOB!!! I need a new one!!!

5 hours ago via Mobile Web

[View all 4 comments](#)

Danielle

lmao hell yea

4 hours ago



Kamile

.MAO @ 'Over grown camel jockey

about an hour ago



Danielle

wOrK 9-5

6 hours ago via Mobile Web



Danielle

home...to much drama...work in the am

Yesterday at 10:34pm



Edwin

now wut drama lol

Yesterday at 10:35pm

Online is happening through profiles.

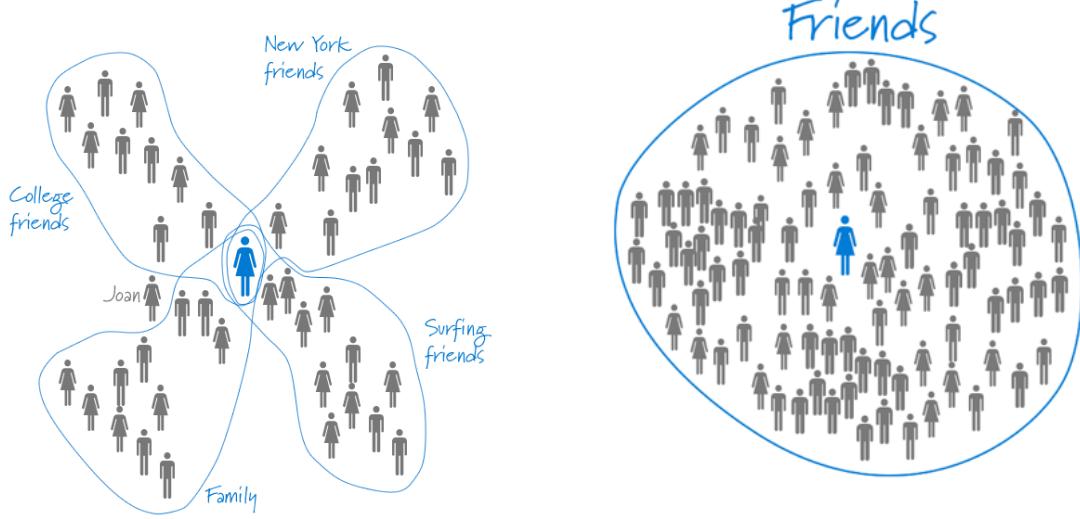
Profiles are really important. They allow me to see that the person I'm looking at is the person that I know offline. They allow me to figure out whether I should trust someone when reading their review.

I think really carefully
before posting my status.

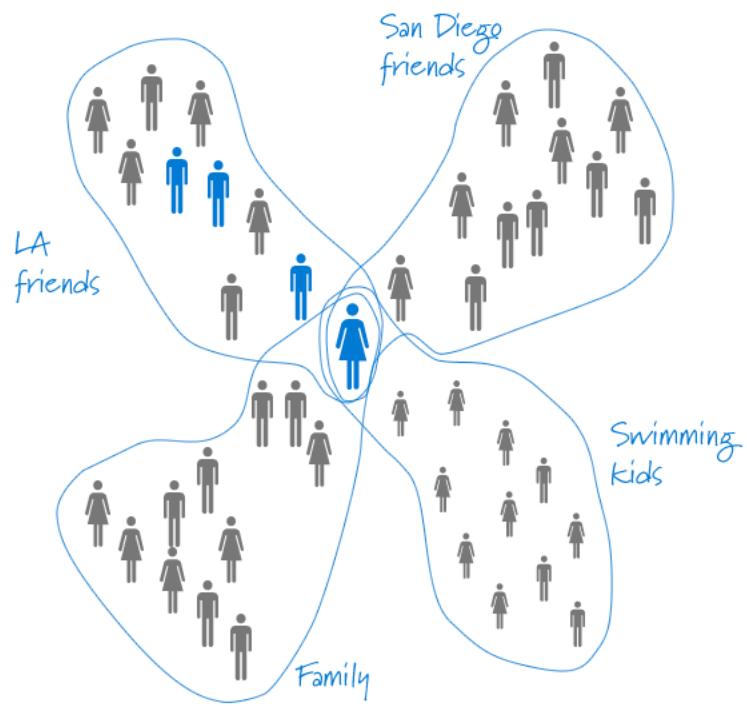
One thing we see a lot in research is that people think carefully about what status updates they post. They think about how it will reflect on them. Sometimes they share things because they are proud, sometimes because they think something is cool. And people often self-censor. They often decide not to post, because of what they may look like to others. People care deeply about how they look to others. They care when they dress themselves in the morning, and they care when they interact with other people during the day.

People have multiple facets of identity

The most important thing to recognize about identity, is that people don't have one identity. There is not one profile that fits for all the people in their life. People appear differently to different audiences. They act one way with their family, they act another way in work, and they act another way with their best friends.



Again, the one big bucket of friends becomes problematic. This is because people only have one profile. Online, it is hard to set things up so that one group to see you one way, and another group to see you a different way. This has to, and will, change. Let me show you two examples.



We already saw this with Debbie.



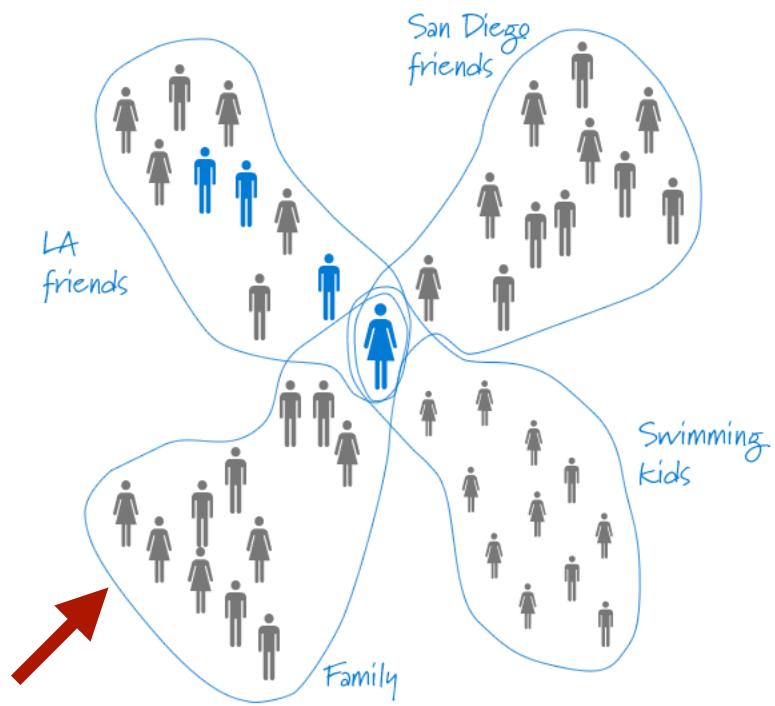
<http://www.flickr.com/photos/fuddland/356325106/>

Think about a teacher. She needs to appear one way to her students, another way to their parents, and another way to her friends.



<http://www.flickr.com/photos/fuddland/356325106/>

What does she do when her students ask her why she won't friend them on Facebook?
This may seem funny, but it's very real.



Also true with family

Sometimes people need to be anonymous

Half of the top 1000 reviewers on Amazon don't use their real name.

Ratings that are linked to people's real names are 20% higher than those that aren't.

People are worried about reciprocation: will that person now go and give me a bad review? They are also worried about repercussions: will the restaurant owner give me a hard time if I return?

Managing identity has high overhead

Managing our identity offline is relatively easy as the different groups in our life rarely overlap in time and space. We see our families at home and act one way; we go to work and act another way; and we meet our college friends in a bar and act a third way.

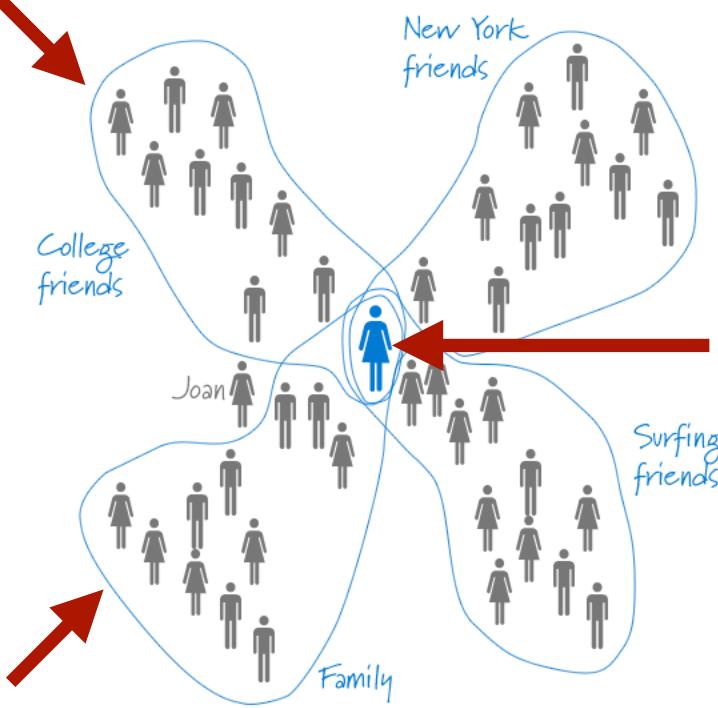
Managing identity online is much harder, as groups can easily overlap. People have workarounds to manage this, including multiple email accounts, multiple Facebook accounts, and by using certain tools with specific audiences

After 24 hours: 18%

After one week: 12%

One research study found that only 18% of users updated their profile after 24 hours of creating it, and only 12% updated after one week. Without live content that updates regularly, profiles quickly become outdated representations.

**One
identity**



How are you allowing people to represent themselves?

Allow people to personalize how they appear to others as this helps build their personal identity.

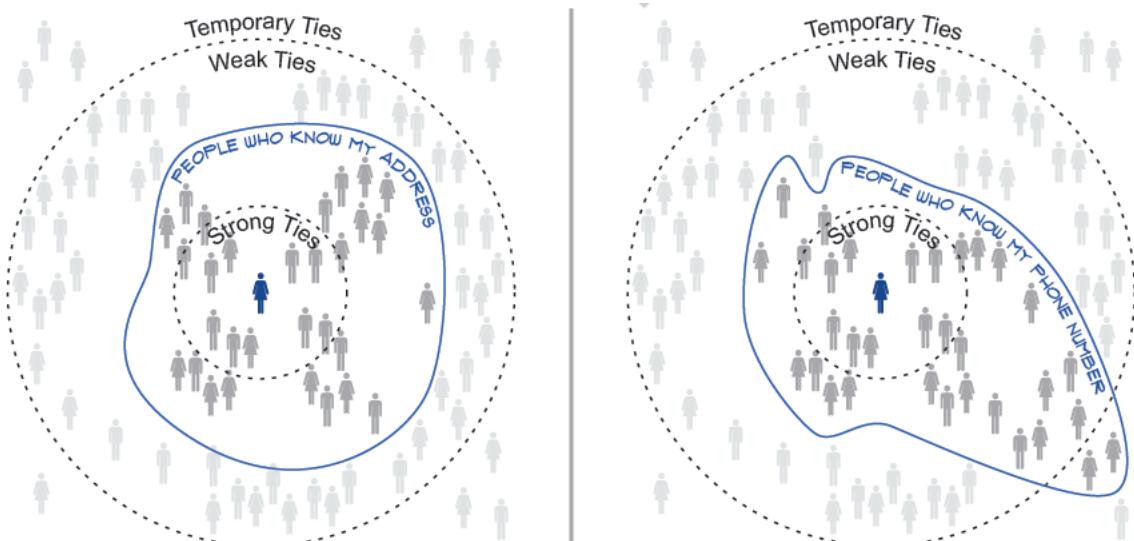
Consider how the actions of someone's connections are displayed relative to their own profile. Give people control over removing the actions and content of other people from their profile.

Allow people to control the audiences for different parts of their identity.

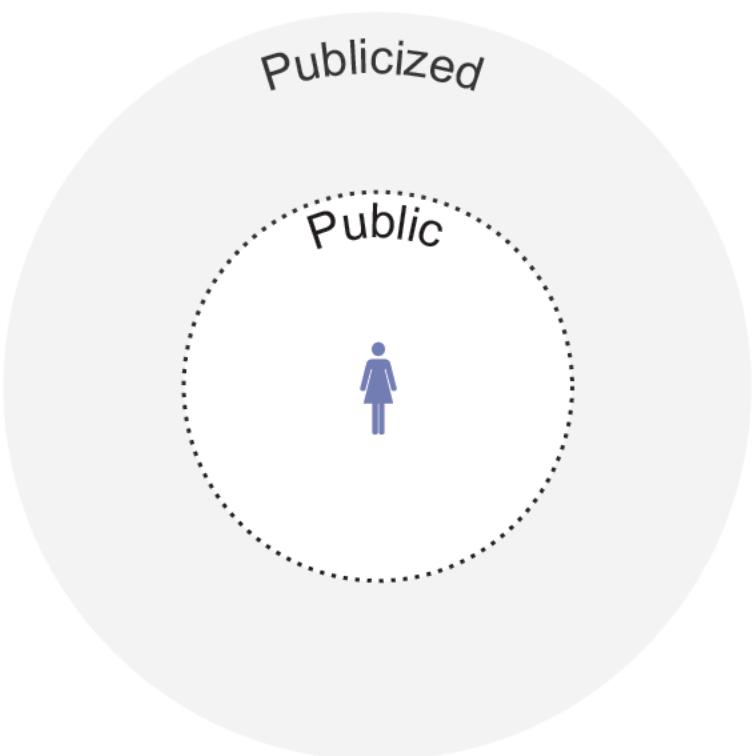
Consider how you might make people comfortable posting negative as well as positive reviews.

Remind people about what their profile looks like if they haven't updated it in a while.

HOW PEOPLE MANAGE THEIR PERSONAL INFORMATION



Privacy is a process of boundary management. It's about controlling how much other people know about you.



Public content is not the same as publicized content. People may be comfortable disclosing information in one public setting, but not in a different public setting. If you give someone's information more exposure than they expect, you may be violating that person's sense of privacy. I'm going to show you some examples of what that means shortly.

**People of all ages
care deeply about
their privacy**

I email my friends the photos before I put them on Facebook. They decide which ones they want to be tagged in.

Research on Facebook usage showed that only 8% of users had left their profile open to anyone searching on the Facebook network, and that 64% of users had adjusted their profile to “only friends.”

44% take steps to limit the amount of personal information available about them online

71% change their privacy settings

47% delete unwanted comments on their profiles

41% remove their name from photos

Young adults (ages 18–29) are more likely than older adults to say that they actively control their privacy online.

**We think people care
less about privacy
because they
misunderstand
complicated privacy
settings.**

People underestimate the size of their audience

Often this means publishing content that can be indexed by search engines, and surfaced in search results.



<http://www.flickr.com/photos/tim166/293161965/>

When we think about our behavior in public, it has always been bounded by where we are. Only people within a certain distance can see what we do. Now, this isn't strictly true as other people who were there can talk about my actions to others. And of course this happens a lot. People gossip. But we can generally control what others know about us.



Chris Today **sucks**. My **boss** is such a bitch. Now im in a shitty mood and want to break things.

Yesterday at 1:29pm · View Feedback (7)

Online things are different. We're missing all those social cues from the real world. So people are posting content publicly, and they have no idea. I looked up this stuff on Facebook, I've no idea who these people are.



Graeme anyone got any **pills**, i'm bored and wanna get off **my** face

December 20, 2009 at 10:41pm · View Feedback (1)

So this guy is looking to get high.



Graeme anyone got any **pills**, i'm bored and wanna get off **my** face

December 20, 2009 at 10:41pm · Hide Feedback (1)



Bradley and your trying to become a cop

December 21, 2009 at 1:25am

But he probably didn't think about the possibility of future employers finding this.

It is our job, as designers, to make sure that people understand what is happening.

This problem is about transparency. Our systems need to be absolutely transparent and it is critical that we design this in. People need to understand the consequences of their actions, and we, as designers, need to do our best to make these things clear.

**People don't
realize that their
conversations are
persistent**

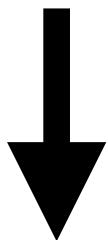


<http://www.flickr.com/photos/myphoto/1234638761/>

There is a second part to this problem. Let's imagine these girls were gossiping about this guy. When he comes over, they stop. Their conversation isn't persistent. But if this gossip happens on their Facebook walls, and it does, then it remains there for the guy to find at any point in time. Not only that, but it could be weeks old, or months, or even years.

Google Search

I'm Feeling Lucky



Irlene The hardest part about **breaking up with you** was finding out you
hurt me and didn't even give a shit..</3
3 hours ago · View Feedback (2)

What does it mean for you - as a 25 year old - when someone can Google you and see that you were a total bitch when you were 17 years old? The way that things are moving, you'll soon be able to find any of this public content on search engines. All this content we're creating is sticking around, attached to our identities. We need to help figure out how to make good decisions about what they are posting.

**Maintaining
people's privacy
should be your
top priority**

Privacy → **Trust**

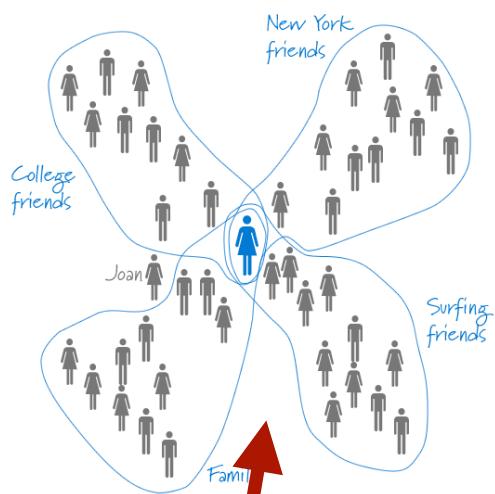
Privacy and trust go hand in hand. If people trust you, they'll do business with you. And on the social web, people need to trust you with a lot of very personal, very sensitive data. How you manage their privacy will often determine how much they are willing to trust you. So this is important not just for maintaining people's sensitive information, but important for building long term repeat business.

Doubt

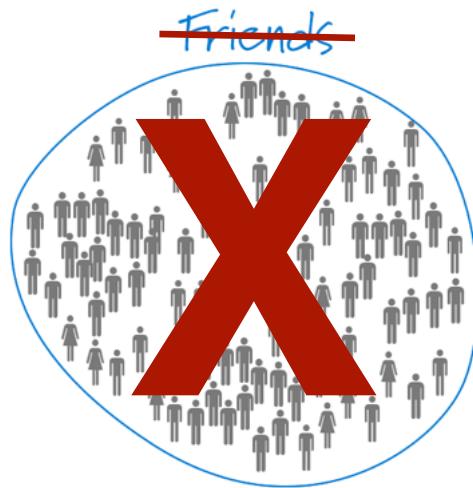
If your privacy practices aren't transparent, then you introduce doubt. Doubt leads to lower usage.

RECAP

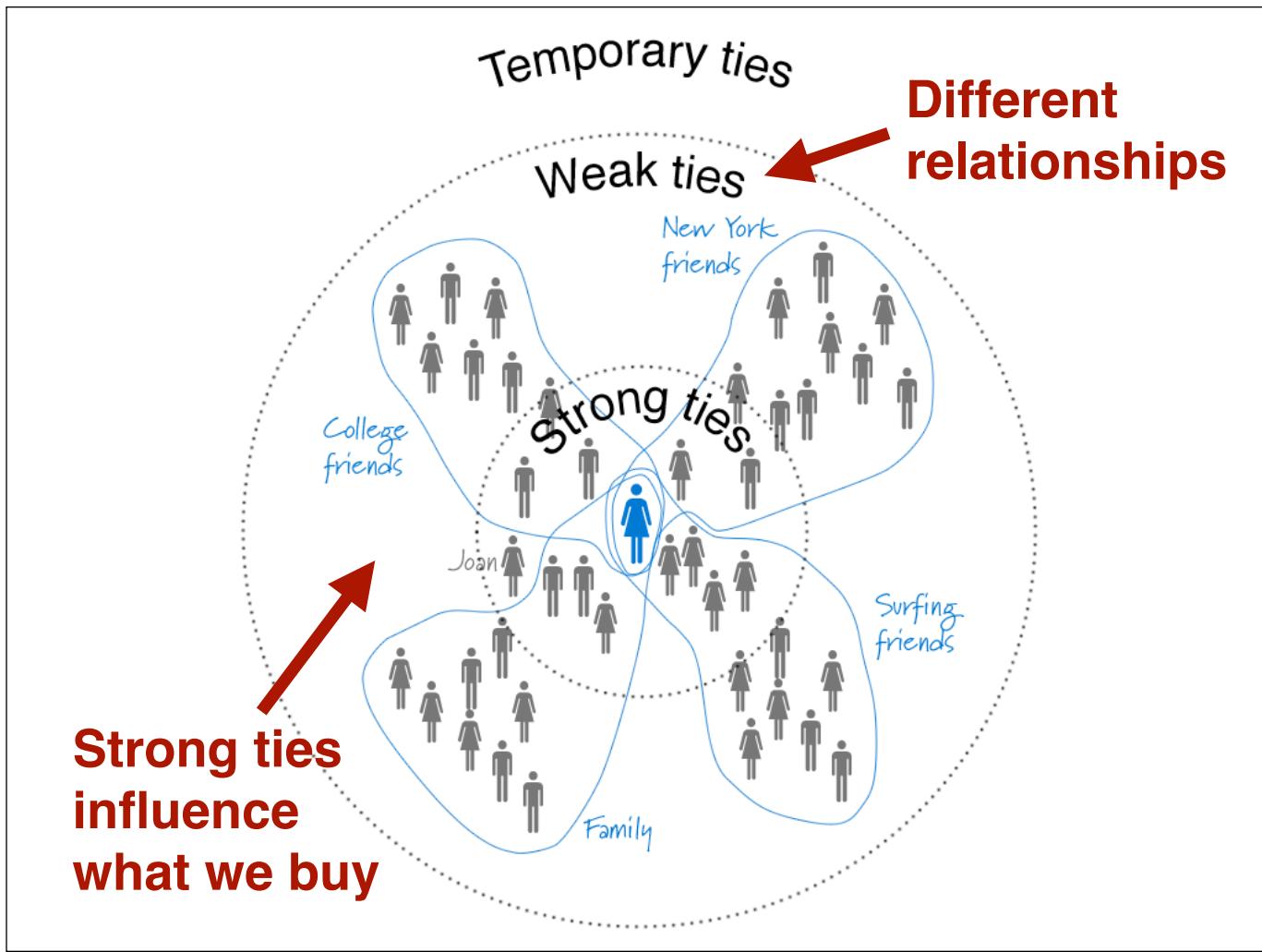
Not new



**Multiple
independent
groups**

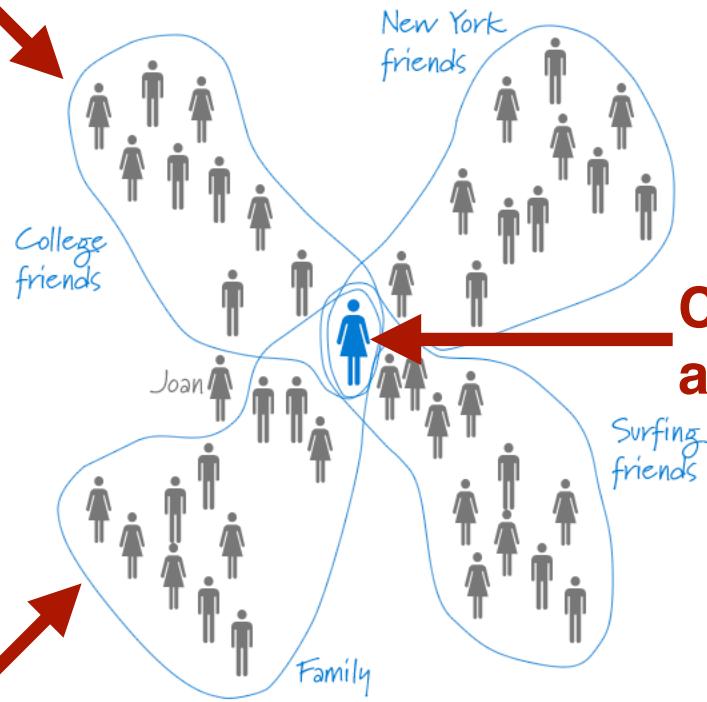


Design for multiple groups



Design for different relationships

**One
identity**



Design tools to support how people look to others

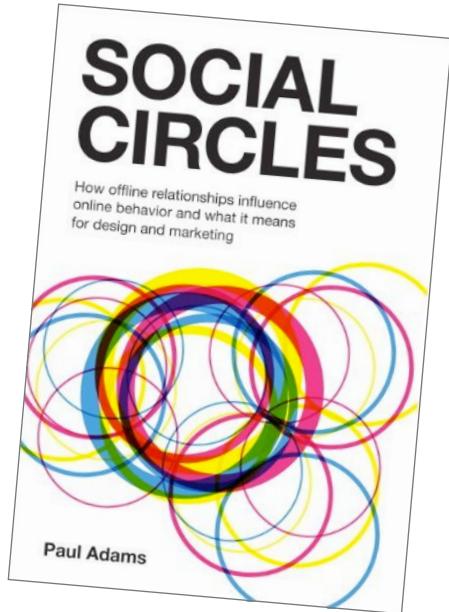
THANK YOU!

Talk with me

@padday

padday@gmail.com

www.thinkoutsidein.com/blog



Please get in touch!
My book is out in August!

REFERENCES

The magic number 150.

See the New York Post article “Buddy Brain Drain” where Robin Dunbar describes how different groups are made up of 150 people.

Nicholas Christakis and James Fowler have also studied this in modern groups. See the Harvard magazine article “Networks, Neolithics to Now” for an overview.

For a great overview (with data) of Dunbar’s number and online games, see Christopher Allen’s post “The Dunbar Number as a Limit to Group Sizes” on his blog Life With Alacrity.

Strong and Weak ties

Wikipedia provides a good overview of the research literature on strong and weak ties. Search for Interpersonal ties.

The seminal paper is Mark Granovetter’s “The Strength of Weak Ties.”

We have a small number of strong ties

In their book *Connected* (Harper, 2010), Nicholas Christakis and James Fowler describe one study they conducted with 3,000 Americans.

See also research conducted at the Center for the Digital Future at the University of Southern California (digitalcenter.org) in 2002 and 2007.

Average number of friends on Facebook

Various research shows that the average number of Facebook friends ranges from 120 to 180. For two examples, see the 2007 research paper “Rhythms of Social Interaction: Messaging Within an Online Social Network” by researchers at HP Labs, and the 2010 paper “Social Network Activity and Social Well-Being” by researchers at Carnegie-Mellon and Facebook.

Various research shows that almost all friends on Facebook are people that users first met offline. For an overview, see the 2009 research paper “The Problem of Conflicting Social Spheres” by researchers at Manchester Business School.

For interacting with small numbers of our friends on Facebook, see the 2009 research paper “User Interactions in Social Networks and Their Implications” by researchers at UC Santa Barbara.

Phone usage and strong ties

Most of this data is from ethnographer Stefana Broadbent. See her presentation at the TED conference, viewable on YouTube. Broadbent has done much research into how people communicate with each other. You can follow her work at usagewatch.org. In particular, see the article “The small size of our communication network”.

Usage of communication tools

The Pew Research Center have much research into this topic. For example, see the 2010 report “Teens, Cell Phones and Texting”, the 2009 report “Social Isolation and New Technology”, the 2010 report “Social Media and Mobile Internet Use Among Teens and Young Adults”, and the 2009 report “Twitter and Status Updating”.

Different types of friendships

For a detailed look at empirical research on friendships, see the book *Rethinking Friendships* (Princeton, 2006) by Liz Spencer and Ray Pahl.

Influence

For an introduction to cognitive biases, see:

http://en.wikipedia.org/wiki/Cognitive_bias

For a full list of social cognitive biases, see:

http://en.wikipedia.org/wiki/List_of_cognitive_biases#Social_biases

The fact that we make decisions based on our limited information is part of a theory called bounded rationality: http://en.wikipedia.org/wiki/Bounded_rationality

The Tipping Point is nicely summarized on Wikipedia, including key ideas and challenges to those ideas: http://en.wikipedia.org/wiki/The_Tipping_Point.

In their book Connected (Harper, 2010), Nicholas Christakis and James Fowler describe how mutual best friends are most influential, how three degrees of influence works, and the concept of hyperdyadic spread.

Other research papers that I reference frequently are the 2010 research paper "Identifying Influential Spreaders in Complex Networks," by researchers at Universities in the USA, Israel and Sweden, and the 2009 research paper "Effects of Word-of-Mouth Versus Traditional Marketing: Findings from an Internet Social Networking Site," by Michael Trusov, Randolph Bucklin and Koen Pauwels.

How hubs work

In his book Six Degrees (Norton, 2004), Duncan Watts explores high and low thresholds for idea adoption, how hipsters influence within a network, the analogy of seeds in nature, and his studies on lists of music.

Two research papers that influenced me on hubs and adoption are the 2008 research paper “The Role of Hubs in the Adoption Processes,” by Jacob Goldenberg, Sangman Han, Donald Lehmann, and Jae Weon Hong, and the 2010 research paper “Opinion Leadership and Social Contagion in New Product Diffusion,” by professors at Wharton and the University of Southern California.

Multiple facets of identity

danah boyd has done some amazing research over the years, a lot of which relates to identity. For example, see the 2006 research paper “Profiles as Conversation: Networked Identity Performance on Friendster” by boyd and Heer.

Ben Gross has also conducted some great research, see the 2007 research paper “Addressing Constraints: Multiple Usernames, Task Spillage and Notions of Identity” by Ben Gross and Elizabeth Churchill, and the 2009 research paper “Names of Our Lives”.

Another good paper to check out is the 2009 research paper “Trust and Nuanced Profile Similarity in Online Social Networks” by Jennifer Golbeck.

Anonymous ratings

See the 2010 research paper “I rate you. You rate me. Should we do so publicly?” by researchers at the University of Michigan.

Awareness of Privacy

The following three research papers are a great place to start:

See the 2009 research paper “Information Revelation and Internet Privacy Concerns on Social Network Sites: A Case Study of Facebook” by Young and Quan-Haase.

See the 2010 report “Reputation Management and Social Media” by the Pew Research Center.

See the 2010 research paper “How Different are Young Adults from Older Adults When it Comes to Information Privacy Attitudes and Policies?” by researchers at UC Berkeley and the University of Pennsylvania.

People underestimating their audience

See the 2008 research paper “Characterizing Privacy in Online Social Networks” by Krishnamurthy and Wills.

People misunderstanding privacy settings

Multiple research studies show how people misunderstand the privacy implications of their activities. For examples:

See the 2010 research paper “How Different are Young Adults from Older Adults When it Comes to Information Privacy Attitudes and Policies?” by researchers at UC Berkeley and the University of Pennsylvania.

See the 2008 research paper “Strategies and Struggles with Privacy in an Online Social Networking Community” by Strater and Lipford.

See the 2008 research paper “Expandable grids for visualizing and authoring computer security policies” by researchers at Carnegie Mellon University, University of North Carolina, and Gonzaga University.