Email
(and other interpersonal text messaging)
Why?

Mediated communication for many reasons

- Emotional support, connection
- Family, Friends
- School work
- Find a job
- Find a date
- Advice (consumer, educational, personal, etc.)
- Much, much, more...
Why Visualize?

- Difficult to make sense of large quantities of data
- Adding a visual channel and cues can aid the understanding of social dynamics.

Challenge is choosing the right cues and visuals to represent them. Metaphor.
Why Social Visualization?

• Manage and understand social relationships online
• Complicated by more than one online identity
• Help us understand the social spaces we “live in” online
• Help us understand social patterns and norms in online communities (quickly)
We are social creatures

• Are adaptable and use various media to communicate

• Cues can aid in communication (trust, sarcasm, affect, etc.)
From wikipedia.com

Is your email/personal messaging archive a good portrait of you and your relationship with others?
PostHistory by Fernanda Viégas
BuddyGraph Jeffrey Potter
Social Network Fragments by danah boyd and Jeffrey Potter
Does visualizing the people in email archives enrich users’ perception of their email social network?
Mountain by Fernanda Viégas
• Impression formation
• Mirror for self-reflection
• Catalyst for recall
• Storytelling
• Artifact
• Extra channels for communication, expression, and understanding
Perer and Smith
Figure 10. A zoomed-in view of the dendrogram. The four relationships related to Shneiderman’s interest in policy are denoted with triangles at the bottom of the graphic. One of these relationships (Ellis) is highlighted.
Dynamic Coordinated Email by Frau, Roberts, and Boukhelifa
Making Connections by Jamin Hegeman
Revive Precious Memories Using Email.

**Reminiscence about the past.**
Uncover long-forgotten topics and people across tens of thousands of messages in your email.

**Chart your sentiments.**
See the highs and lows in your life, as captured in your email.

**See the people in your life.**
Find out how different groups enter and leave your life.

**Browse your attachments.**
Watch your email attachments materialize on the Picas 3D photo wall.

**Dig up links in your email.**
View them as they are today, or as they were at the time the email was exchanged.

**See how you communicate.**
Discover who you exchange email with the most.

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MUSE: Reviving Memories Using Email Archives by Sudheendra Hangal, Monica S. Lam, Jeffrey Heer
<table>
<thead>
<tr>
<th>Bob</th>
<th>Waldoboro</th>
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| Waldoboro | Amherst Street |                      |
| Michael  | Terry         |                      |
| Bill McPherson | Stanford |          |
| NYU      | Maine         |                      |
| Jim Bunn | Dennis        |                      |
| Alana    | Joyce         |                      |
| Joyce    | Town Office   |                      |
| Finntown Road | Moody's | |
| Alex     | Bruce        |                      |
| Buffalo  | Olson        |                      |
| Nevada   | Providence   |                      |
A people-centric view of your email life

Once you log in, Immersion will use only the From, To, Cc and Timestamp fields of the emails in the account you are signing in with. It will not access the subject or the body content of any of your emails.

Upon logging out of Immersion, you will be presented with a choice to save or delete your data, which contains your compressed email metadata and user profile.

If you decide to save your email metadata with Immersion, that data will be stored in a secure system. You can always return to the site remotely and delete it at a later time, if you wish to do so.

If you take a snapshot of your immersion network, the snapshot link will be accessible for 30 days, after which it will be deleted from our server.

Login securely via
- Gmail
- MS Exchange
- Yahoo

or check out the Immersion demo.

Frequently Asked Questions
See more:

https://flowingdata.com/2008/03/19/21-ways-to-visualize-and-explore-your-email-inbox/
Techniques to consider
Coterie by Dana Spiegel
PNNL's IN-SPIRE.
Nationalization of property begins
Cuba and Soviet relations resume
Castro confiscates American refineries
Eisenhower breaks relations
Bay of Pigs

PNNL's ThemeRiver.
http://artport.whitney.org/commissions/thedumpster/
Hope/Crisis in the NYT

Images taken from:
http://randomnumber.nu/?p=2904 by Jer Thorp
(from http://www.bewitched.com/song.html)
Remail, IBM

From: Jennifer Schachter
Monday, July 21, 2003
Everyone,

Cambridge.IBM
Suzanne Suzanne CUEPROTO DCour94S
Kushal D

Jennifer Kushal Dave
Cambridge Intern events ... Bra
Daniel G Jamalyzer ices
Daniel S Research Talk: Dr. Stone... loto
Mia more check-in All@
Bob

lotus.IBM Fw: Cambridge Intern eve... MINA
Robert A

To: Daniel Gruen
Wednesday, October 01, 2003 12:59
next Tuesday to discuss the CHI submi
married but looking for someone (from hint.fm)
Customer Reviews
812 Reviews

Average Customer Review
4.5 Stars (382/812 customer reviews)

Most Helpful Customer Reviews
13 of 149 people found the following review helpful:

***** Great Film - Buy the Single Disc Version! , December 9, 2008

This review is from: The Dark Knight (Two-Disc Special Edition + Bonus Copy) (BD/DVD)

What has been said about the Dark Knight cannot be elaborated on - so I won't. The film is muscling its way into my #1 favorite comic movie adaptation of all time.

The reason for my review is in hopes of saving you some money. This double disc Special Edition doesn't deliver the price you pay for it. There isn't even deleted scenes!! I would have saved your very hard earned dollars and buy the single disc version and wait for the inevitable ULTIMATE re-release that will come later on down the road.

But nonetheless, a great film - you will not be disappointed; I just wish the studio would have given a better Special Edition release than what we have here. So enjoy!

400 of 473 people found the following review helpful:

***** The Dark Masterpiece Surpasses the Hype, October 11, 2008

By: Justin Heath (Fort Erie, Ontario, Canada) - See all my reviews

This review is from: The Dark Knight (Two-Disc Special Edition + Bonus Copy) (BD/DVD)

Christopher Nolan has a vision. And whether you agree with it or not, he undeniably completes it in 'The Dark Knight'—a vicious, engrossing, overwhelming, intelligent event-film that redefines 'comic-book-flicks'. In Nolan's grim, dark-depiction of Gotham-City (the crime-ridden hell protected by legendary superhero Batman), the director strives to make everything real (something he began in the well-received 'Batman Begins'). He makes it plausible, possible. And yet there's more to it. Just as 'Batman' was a dissertation of myth, the nature of symbols and heroes, 'Knight' is the escalation of that notion. It's a biblical-confrontation of 'good-and-evil', yet as 'good-and-evil' really exist: a conflict of ideals, something that can't be purely-defined but that is relative to a viewpoint. In Nolan's word, the line of ugliness and heroism isn't crossed...it's non-existent. The bad-guys don't see themselves as bad-guys, and as such something so unnervingly-real comes across it might fly past some people's minds (no insult to anybody, it's just common that people don't look deep into 'popcorn-flicks'); the battle is a complete ambiguity.

Movie performance
EXCELLENT
AMAZING
GREAT
BEST
but also
CREepy
DIABOLICAL
effects
ledger
scenes
story
job

joker
batman

character
After purchasing 3 other coffee makers, this coffee maker is charming! This coffee maker makes great-tasting coffee...
Conversation Clusters
We build Twitter lists and streams.
Yes, we meddle. Like a sweet, nosy grandma.
We learn from your past to render Twitter anew.

<table>
<thead>
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<th>INNER CIRCLE</th>
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*These lists have light advertising. Make them ad-free for $5.*
The stakes seemed higher this time around but we’re keeping it up. @eegilbert @garyhsieh @davetown101 — JENNITHOM 4M AGO

Apparently never heard of a library? RT @buridan: life before google... http://bit.ly/cNVAAaN — MICHAELZIMMER 9M AGO

@jennithom I *love* that he still has 5 followers (not us). He needs some existential crisis tweets. @garyhsieh @davetown101 — EEGILBERT 13M AGO

RT @PrivacyLaw: NYTimes.com "Location Data Sensitive Like Medical Information, Says Congressional Witness " http://nyti.ms/dmZd9Y — MICHAELZIMMER 14M AGO

Don’t blame me about your water heater, @joandimico. I can’t say more about your VPN, without counsel present. — PHREINBERG 18M AGO

Redrawing the Route to Online Privacy – http://nyti.ms/auyhoZ — MICHAELZIMMER 25M AGO

Long live @astronyote! @garyhsieh @davetown101 @eegilbert — JENNITHOM 19M AGO

VPN, wordle.net and our water heater are all down. What is going on?? — JOANHMIDICO 26M AGO

OSX IBMers: is the VPN back up and working for you? Not for me...

— JOANHMIDICO 21M AGO

@eegilbert It reminded me how much I miss those types of weeks. Bad for heath! = bad for me :) Do sleep before your talk! — YAPGHIAN 41M AGO
Visualization as a Gift

https://www.reddit.com/r/dataisbeautiful/comments/7xicua/my_girlfriend_made_a_visualization_of_all/
Group announcement. Fill out CATME survey by tonight so we can release groups Friday morning.