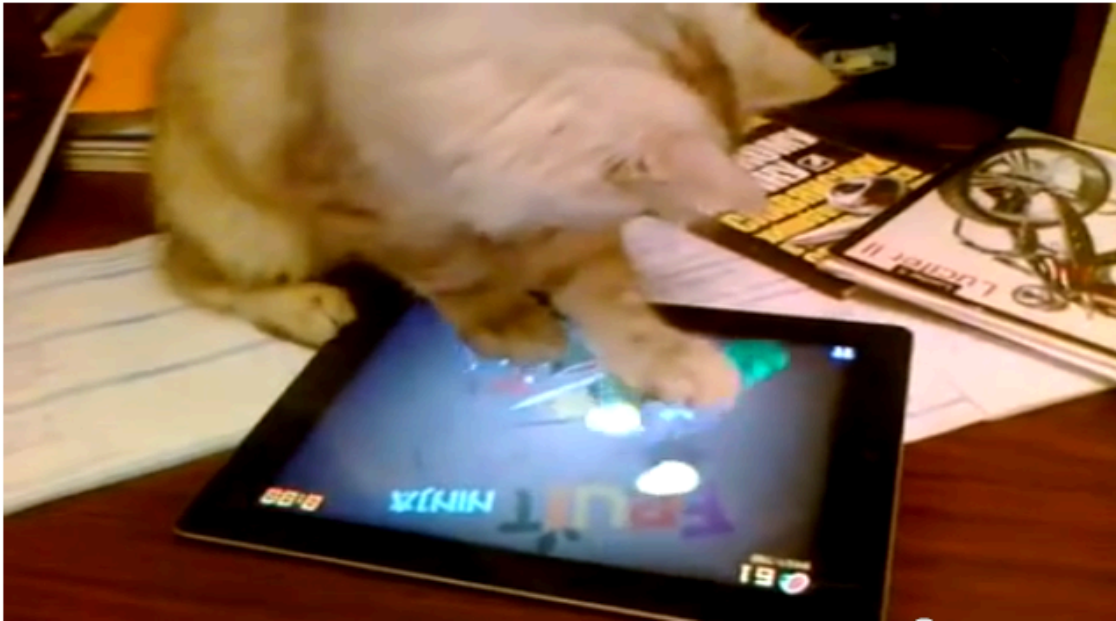


Future Trends in Search User Interfaces



Marti Hearst
I202 Guest Lecture
November 14, 2013



Exercise:

What UIs work well in search now?

Real-Time Suggestions

NEXTBIO > emb

search > embr

experiments(0)

- compound > **EMB (Emb)**
 - gene > EMB (MGC71745, Gp70, AL022799, MGC21425)
- compound > **EMB (Ethambutol)**
- compound > **EMB (Methylurethane)**
 - gene > **Embl1**
 - gene > **Embl2**
- compound > **EMBBA (Embba)**
 - tissue > **Embryo**
- compound > **Embarin (Allopurinol)**
- compound > **Embutox (Butoxone)**

Search

Winners

be


- Being There
- Being John Malkovich
- Being Julia
- Beijing Bicycle
- Beiderbecke Connection
- The Unbearable Lightness of Being: Special Edition
- The Importance of Being Earnest
- The Beiderbecke Affair
- The Business of Being Born
- Devious Beings

<http://netflix.com>





china

SEARCH


Exhibition (16) »

-  Power and Glory: Court Arts of China's Ming Dynasty

Artwork (320) »

-  49 china buttons in framed tray
-  China, It's Scenery, Architecture, Social Habits, &c. Illustrated (The Chinese Empire Illustrated), 2 vols.
-  China, It's Scenery, Architecture, Social Habits, &c. Illustrated (The Chinese Empire Illustrated), 2 vols.
-  China Today

Artbabble Video (1) »

-  Power and Glory: Court Arts of China's Ming Dynasty Trailer

See all 382 results »

<http://www.imamuseum.org/>

Faceted Navigation

Flamenco Fine Arts Search

Powered by Flamenco

Images from the Collections of the Fine Arts Museums of San Francisco; Legion of Honor and de Young Museums, <http://www.thinker.org>

Save Search

History and Settings

Return to Search

New Search

Logout

all items in current results

These terms define your current search. Click the to remove a term.

LOCATION: [Asia](#) > [Japan](#)

Items 1 to 40 of 538 results

Group by: [Location](#)

Refine your search within these categories:

MEDIA [\(group results\)](#)

[Ceramic](#) (1) [Objects](#) (8)
[Drawing](#) (22) [Print](#) (508)

LOCATION: [all](#) > [Asia](#) > [Japan](#)

OBJECTS [\(group results\)](#)

[Clothing](#) (112) [Musical Instruments](#) (11)
[Containers](#) (48) [Vehicles](#) (105)
[Food and Meals](#) (64) [Weapons](#) (47)
[Fuel](#) (1) [Writing Tools](#) (93)
[Lighting](#) (22)

BUILT_PLACES [\(group results\)](#)

[Bridge](#) (17) [Dwelling](#) (42)
[Building](#) (62) [Part of Building](#)
[Built Open Space](#) (14) [Road](#) (21)

ANIMALS AND PLANTS [\(group results\)](#)

[Birds](#) (61) [Mammals, Ho...](#)
[Creatures and](#) [Mammals, Oth...](#)
[Beasts](#) (1) [Parts of Plants](#) (24)

1 41 81 121 161 201 241 281 321 361 401 ... 521



[Hakone, no. 11 f... 1804](#)



[Kneeling Woman Sho... circa 1794 - 1796](#)



[The Courtesan Tsum... circa 1815 - 1825](#)



[The New Yoshiwara... 1815 - 1825](#)



[Woman Writing a Le... circa 1810 - 1815](#)



[Women in Boats nea... circa 1790](#)



[Children's Pastime... circa 1820](#)

Subcategories:

- castle
- cottage
- house
- mansion
- palace
- residence
- villa

Where are Search UIs headed?

Forecasting the Future

First: What are the larger trends?

In technology?

In society?

Next: Project out from these.

**Preferences for
Audio / Video / Touch**

**Preferences for
Social Interaction**

**Preferences for
Natural Language**

“Natural” Interfaces

**Statistical Analysis of
Enormous Collections
Of Behavioral and Other Data**

**Wide adoption of social
media & user-generated
content**

**Advances in
UI Design**



Trend: More Natural Queries



Trend: Longer, more natural queries

- The research suggests people prefer to state their information need rather than use keywords.
 - But after first using a search engine they quickly learned that full questions resulted in failure.



Trend: Longer, more natural queries

- The research suggests people prefer to state their information need rather than use keywords.
 - But after first using a search engine they quickly learned that full questions resulted in failure.
- Average query length continues to increase
 - In 2010 vs 2009, searches of 5-8 words were up 10%, while 1-2 word searches were down.



Subject	9/5/2009	9/4/2010	Year-over-Year percent change
1 word	24.21%	22.72%	-6%
2 words	23.77%	23.83%	0%
3 words	20.76%	20.24%	-3%
4 words	13.76%	13.97%	2%
5 words	7.88%	8.40%	7%
6 words	4.20%	4.60%	10%
7 words	2.25%	2.56%	14%
8+ words	3.16%	3.68%	16%
5 to 8+ words	4.37%	4.81%	10%
1 to 4 words	20.63%	20.19%	-2%

Note: data is based on all searches conducted on all search engines on a four week rolling period from the Experian Hitwise sample of 10 million US Internet users.

Source: Experian Hitwise

Trend: Longer, more natural queries

- Social Question Answering Sites:
 - Information worded as questions increasing available
 - with the questions that the audience really wants the answers to, and
 - written in the language the audience wants to use.
 - AND with advanced user interface design.

Long Queries Aided by Advanced User Interface Design

The screenshot displays the Stack Overflow interface. At the top, there is a navigation bar with links for 'log in', 'careers', 'about', and 'faq'. Below this is the 'stackoverflow' logo and a set of navigation tabs: 'Questions', 'Tags', 'Users', 'Badges', and 'Unanswered'. The main content area is titled 'Recent Questions' and features a filter menu with 'active' selected, along with other filters like '107 featured', 'hot', 'week', and 'month'. A list of seven questions is shown, each with its own set of statistics (votes, answers, views) and tags. The questions are: 1) 'How do I prevent a char pointer buffer overflow?' (0 votes, 3 answers, 10 views, tags: c, pointers, arrays, reference, 9s ago, sizzzlerz 33); 2) 'How to get an object of the window which is opened by clicking the link?' (0 votes, 2 answers, 12 views, tags: javascript, jquery, html, 19s ago, Nick Craver 37.2k); 3) 'Asynchronous daemon processing / ORM interaction with Django' (0 votes, 0 answers, 29 views, tags: django, django-orm, django-models, python, 28s ago, perrierism 286); 4) 'XPath selection from path in XML content' (1 vote, 1 answer, 14 views, tags: xslt, xml, xpath, xsl, 1m ago, Dimitre Novatchev 10.7k); 5) 'How can I improve my logical and analytical thinking skills so as to become an awesome programmer ?' (15 votes, 16 answers, 273 views, tags: beginner, programming, logical, thinking, 1m ago, Norman Ramsey 46.3k); 6) 'PHP 'Years' array' (0 votes, 5 answers, 17 views, tags: array, php, date, year, 1m ago, Ben Rowe 1,012); 7) '...' (partially visible).

An example: keywords failed

rca-3 male two female

Search

About 649,000 results (0.25 seconds)

[Advanced search](#)

[Amazon.com: "2 x RCA Male / 1 x 3.5mm Stereo Female, Y-Cable, 6 ...](#)

2 x **RCA** "Y" Audio Cable connects PC Sound Cards, portable CD players, MP-3 players or any mini-home stereo audio source with 3.5mm jacks to a stereo ...

[www.amazon.com](#) > ... > [Cables](#) > [Cables & Interconnects](#) - [Cached](#) - [Similar](#)

[Amazon.com: RiteAV - 3.5mm to RCA Stereo Female Cable - 6 inch ...](#)

Splits a 3.5mm jack into **two RCA** jacks; Connectors: 3.5mm Stereo **Male** to 2-**RCA Female** I use it to listen to my Playstation **3** through my speakers. ...

[www.amazon.com](#) > ... > [Audio Cables](#) > [RCA Cables](#) - [Cached](#) - [Similar](#)

[+](#) [Show more results from www.amazon.com](#)

[Shopping results for rca-3 male two female](#)



[Rca 3" Rca Y-adapter - Male To Female](#)

\$6.99 new - [eBay](#)

[RCA 3" RCA Y-Adapter - Male To Female](#)

\$6.99 new - [mysavingshop.com](#)

[Rca Rca 3" Mini Stereo Headphone Adapter \(ah202\) \(ah202\)](#)

\$7.69 new - [CompUPlus.com](#)

[Audio Cables - RCA / 3.5mm](#)

Product image for PREMIUM 3.5mm Stereo **Male** to (2) 3.5mm Stereo **Female** · Product ID: 5614 Product image for **RCA Plug/2 RCA** Jack cable - 6 inches ...

[www.monoprice.com](#) > [CABLES](#) - [Cached](#) - [Similar](#)

[3.5mm Male to 2 RCA Jacks](#)

... 3.5mm **Male** Stereo Audio to 2 **Female RCA** Connect **two** stereo audio cables to the ... Connect the adapter to our "**3 RCA to 3 RCA**" cable - see link below. ...

[www.svideo.com/rcastereoplug.html](#) - [Cached](#) - [Similar](#)

Reworded as I would have said it:

how do I connect wii and dvd to my tv

Search

About 1,650,000 results (0.22 seconds)

[Advanced search](#)

[Nintendo - Customer Service | Wii - Connecting to the TV or VCR](#)

Connecting to a VCR, DVD-R, Cable Box, etc. In order to **connect** a video game ... Once the cables are inserted and the **Wii** is powered on, put your **TV** on the ...

[www.nintendo.com/consumer/systems/wii/en.../setupAV.jsp](#) - [Cached](#) - [Similar](#)

[How do you Connect your Wii to HDMI Input on LCD TV?](#)

Jul 16, 2010 ... A Review of **My DVDs**. Related Links ... I too wanted to **connect my Wii** to my HD **TV** with something better than the standard cable. ...

[www.brighthub.com/electronics/home-theater/.../35555.aspx](#) - [Cached](#) - [Similar](#)

[How can I connect my DirecTv, DVD player & WII to the same flat TV ...](#)

Mar 16, 2009 ... that did not work. It has several holes for me to **connect**, yet it does not read. It can either do the **DVD** or the **Wii**. Hence I need to keep moving ...

[www.answerbag.com/q_view/1124602](#) - [Cached](#) - [Similar](#)

[Zolved - Connecting the Wii console to a TV or VCR](#)

You are supplied with an AV Multi Out plug with the **Wii** console. This cable allows you to **connect** to a **TV/VCR/Cable Box/DVD** player etc. ...

[www.zolved.com/synapse/view_content/19706](#) - [Cached](#)

[Nintendo Wii: Connecting to a TV, VCR, HiFi](#)

Connecting to a **Television**. Insert the AV Multi Out plug on the **Wii** AV ... to **connect** a video game system through a device such as a VCR, **DVD** recorder, ...

[wii.nintendo-europe.com/57.html](#) - [Cached](#) - [Similar](#)

[How can i connect both my wii and a dvd player to my tv? - Yahoo ...](#)

May 1, 2010 ... the comcast cable box. i finally got the **dvd** player to work by ... While we are doing this, let's learn some of the right terminology. ...

[answers.yahoo.com/question/index?qid...](#) - [Cached](#)

Got an answer!



Michael

Resolved Question

[Show me another »](#)

How can i connect both my wii and a dvd player to my tv?

the comcast cable box.

i finally got the dvd player to work by putting it into the tv holes and setting the tv to aux. where can i put the wii to make that work too (i really don't want to switch the wii with the dvd player every time i wanna use it)? can i plug it into the cable box? and then what would i set the cable box to? or the dvd player...?

4 months ago

Additional Details

sorry the first part is supposed to say:

i have the three holes (red white and yellow) on the tv, the dvd player, and the comcast cable box

4 months ago

[Report Abuse](#)



Stephen M

Best Answer - Chosen by Asker

While we are doing this, let's learn some of the right terminology. The yellow, red, and white colored jacks are called composite video. On the back of your TV they would be composite video inputs while on the back of your DVD player, Wii, and cable box, they would be outputs.

So, no, you can not plug the Wii into the cable box because the cable box has the same color "holes" because what you would be doing is plugging the Wii output into a cable box output.

What you need to plug everything in to your TV is a composite video switch... one with at least 3 inputs. You then take the output of the switch to the TV's input.

Trend: More Natural Queries

- Blend two ideas:
 - “sloppy commands”
 - predictions based on user behavior data
- This is subtly and steadily increasing in sophistication across many interfaces

Sloppy Commands + Rich Data

The screenshot shows the WolframAlpha interface. At the top is the logo and the text "WolframAlpha™ computational... knowledge engine". Below that is a search bar containing the text "2 slices of pizza with pepperoni". Underneath the search bar is a section titled "Input interpretation:" which contains a table with two rows: "pizza" (amount: 2 slices, type: with pepperoni). Below this is a section titled "Daily value ranking:" with a "More" button. It contains a table with three columns: nutrient name, value, and % daily value. The table lists sodium (1.8 g, 73%), saturated fat (14 g, 68%), and total fat (43 g, 67%).

WolframAlpha™ computational... knowledge engine

2 slices of pizza with pepperoni

Input interpretation:

pizza	amount	2 slices
	type	with pepperoni

Daily value ranking: [More](#)

	value	% daily value
sodium	1.8 g	73%
saturated fat	14 g	68%
total fat	43 g	67%
	⋮	
	500	8%

Sloppy Commands + Rich Data

The screenshot shows the WolframAlpha interface. At the top is the logo with the text "WolframAlpha™ computational... knowledge engine". Below it is a search bar containing the text "2 pieces of pizza with pepperoni". A message below the search bar says "Using closest Wolfram|Alpha interpretation: 2 Piece of pie with pepperoni". A note below that says "Assuming any type of pie | Use pie, peach or more Instead". The "Input Interpretation" section shows a visual breakdown: "pie" (amount: 2 pieces) + "pepperoni" (amount: 245 grams). At the bottom, the "Total nutrition facts" section is partially visible, showing "serving sizes (total: 479 g)", "pie: 2 pieces (234 g)", and "pepperoni: 245 g".

WolframAlpha™ computational... knowledge engine

2 pieces of pizza with pepperoni

Using closest Wolfram|Alpha interpretation: 2 Piece of pie with pepperoni

Assuming any type of pie | Use pie, peach or more Instead

Input Interpretation:

pie amount 2 pieces +

pepperoni amount 245 grams

Total nutrition facts: Individual nutrition facts

serving sizes (total: 479 g)
pie: 2 pieces (234 g)
pepperoni: 245 g

Sloppy Commands + Rich Data

WolframAlpha™ computational knowledge engine

2 pieces of pizza with pepperoni

Assuming "pepperoni" is a food | Use "with pepperoni" as referring to an attribute instead
Assuming any type of pizza | Use pizza, cooked, frozen, rising crust, with cheese or more instead

Input interpretation:

pizza	amount	2 pieces	+
pepperoni	amount	245 grams	

Total nutrition facts: [Individual nutrition facts](#)

serving sizes (total: 530 g)	
pizza: 2 pieces (285 g)	
pepperoni: 245 g	
total calories 1993	fat calories 1293
% daily value*	



Trend: Spoken Input

<http://www.flickr.com/photos/malingering/272277668/sizes/m/in/photostream/>

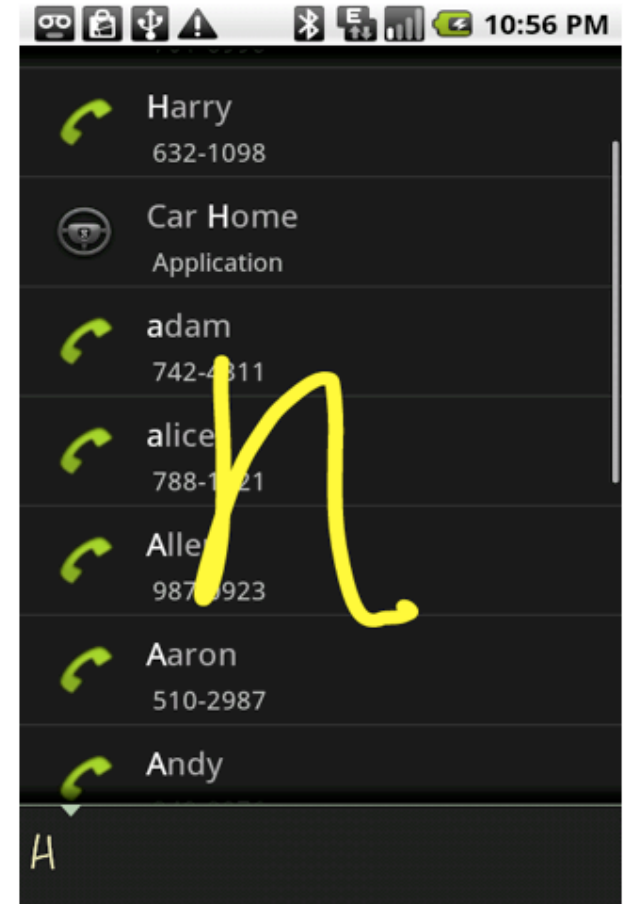
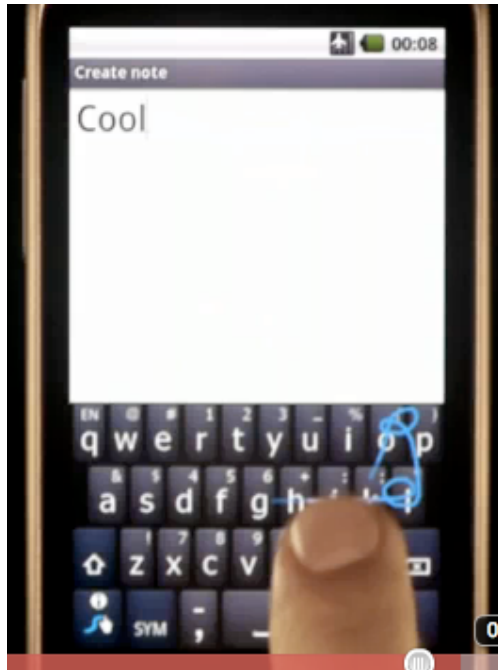
Why Spoken Input?

- Phone-based devices widely used
 - Naturally accepts spoken input
 - Difficult to type on
- Touch screen interaction increasingly popular
 - Also difficult to type on
- Speech recognition technology is improving
 - Huge volumes of training data is now available
- What are the impediments?

We need a “cone of silence”



Alternative text entry



Search as you write.



swype.com

Gesture search, Li 2010

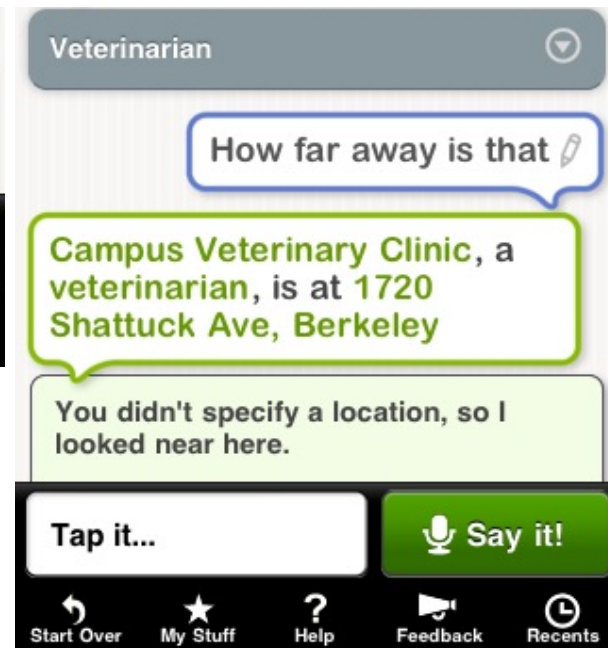
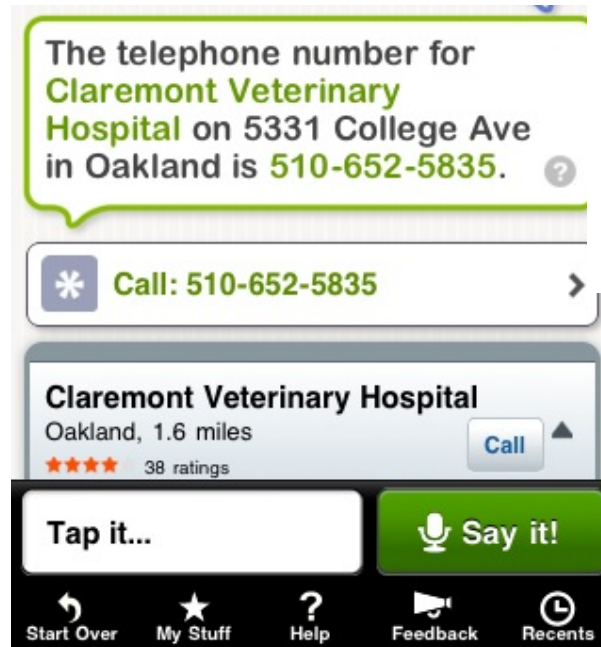
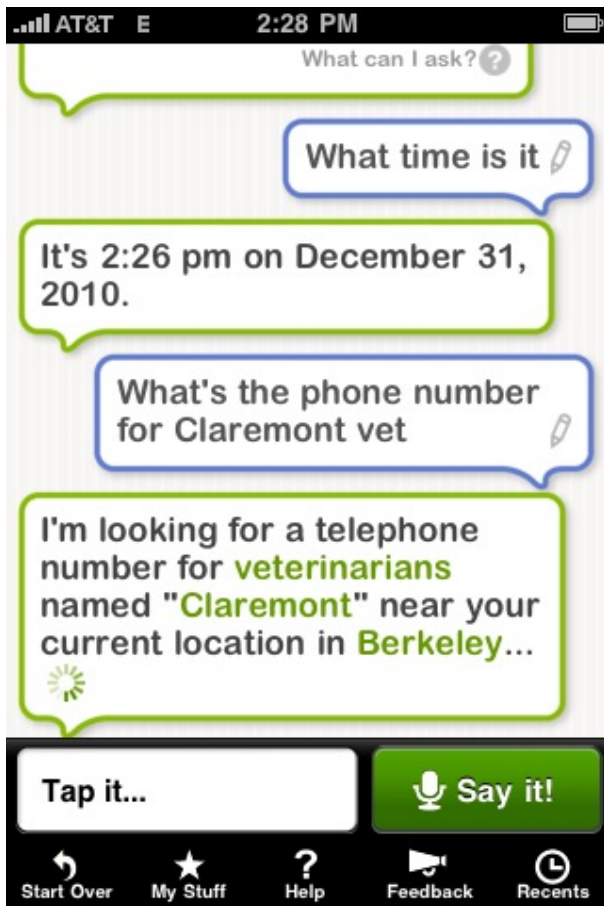
Speaking leads to conversation

- Dialogue is a long-time dream of AI
- We're getting closer with a combination of
 - Massive behavioral data
 - Intense machine learning research
 - Advanced user interface design
 - Real-time contextual information

No Longer a Future Trend: Dialogue

- SIRI came out of the DARPA CALO project





Exercise (pairs)

- Name two general conditions in which spoken input would be better for search.

Trend: Social Search



People are Social; Computers are Lonely.
Don't Personalize Search, Socialize it!



<http://www.youtube.com/watch?v=r8yKDO-dGcE> 2:40

Social Search

Implicit: Suggestions generated as a side-effect of search activity.

Explicit: knowledge accumulating via the deliberate contributions of many.

Collaborative: Working with other people on a search task.

Asking: Communicating directly with others.

Exercise: Social Search

- Consider the dimensions of social search and classify each of the following:
 - Clicking on a search result
 - Voting on Reddit
 - Showing an answer to a friend on your cellphone.
 - Posing a question on twitter.

Explicit: knowledge accumulating via the deliberate contributions of many.

Implicit: Suggestions generated as a side-effect of user activity.

Asking: Communicating directly with others.

Collaborative: Working with other people on a search task.

Social Search: Explicit Recommendations

- “Crowdsourcing” for explicit recommendations
 - Previous generation
 - Digg, StumbleUpon, Slashdot
 - Delicious, Furl
 - Google’s SearchWiki (now defunct)
 - Open Directory
 - Current happenings
 - Blekko
 - Google+
 - LinkedIn recommendations
 - Reddit
 - Etc.

- filter by slashtags
- /likes
- /reviews
- /movie-reviews
- /videogames
- /shop
- /date
- /flickr
- /youtube
- find slashtags

create a slashtag

slashtag of the day
/health
search "tuberculosis"

bring blekko with you
slash the web from your phone
 learn more

file bugs here

Did you mean **dog racing**?

1 to 20 of 315K web results for **dog pacing** /relevance | /date

Establishment of a **canine** model of cardiac memory using endocardial

[like](#) | [seo](#) | [links](#) | [cache](#) | [ip](#) | [info](#) | [spam](#)
Establishment of a **canine** model of cardiac memory using endocardial **pacing** via internal jugular vein. Other articles by authors. Li Yue-chun, Ge Li-sha, Guang Xue-Qiang, Chen [biomedcentral.com/1471-2261/10/30/abstract](#) **Jun 2010**

Left ventricular septal and apex **pacing** for optimal pump function in **canine**

[like](#) | [seo](#) | [links](#) | [cache](#) | [ip](#) | [adsense](#) | [info](#) | [spam](#)
Sign in free and see. Sign-in for full Details. Sign-in free and Explore the Exciting World of BiomedExperts. More than 3,500 Organizations worldwide. State of the Art Network [biomedexperts.com/.../Left_ventricular_septal_and_apex_pacin...](#)

Bloat Article

[like](#) | [seo](#) | [links](#) | [cache](#) | [ip](#) | [spam](#)
Helpful hints in deciding the bloat phase of a **dog** (Practice the following three actions on a well **dog** beforehand). To do this, stand over the **dog** facing the same direction as the **dog**. [canadasguidetodogs.com/health/healtharticle6.htm](#) **Nov 2003**

BEHAVIOR PROBLEMS IN GERIATRIC **DOGS** by Wayne Hunthausen

[like](#) | [seo](#) | [links](#) | [cache](#) | [ip](#) | [spam](#)
Physical and Physiological Changes in the Older **Dog**. Behavior Problems of the Geriatric **Dog**. **Pacing** - seizures - restlessness - decreased mental alertness - geriatric onset [westwoodanimalhospital.com/BhvArticles/GeriatDogBhvProb.htm](#)

Understanding **Canine** Dementia

[like](#) | [seo](#) | [links](#) | [cache](#) | [ip](#) | [spam](#)

Social Search: Seeing what people you know have seen

- Yahoo MyWeb, circa 2006

The screenshot shows the Yahoo MyWeb interface. At the top, there is a navigation bar with links for Home, My Bookmarks, and Invite Contacts. The MyWeb logo is prominently displayed, with a search bar containing the word 'visualization'. Below the search bar, there are tabs for 'See', 'All Results', 'My Results', 'My Contacts' Results', and 'Everyone's Results'. The main content area shows search results for 'My Contacts' Bookmarks' (40 Results). Three results are visible, each with a 'Save this!' button.

Search Results: **My Contacts' Bookmarks** (40 Results)

1. [ahhhhhh visualization](#) Save this!
A dot plot **visualization** that conveys the number of results obtained from Google search queries for words of the form $a\{n\}h\{m\}$.
Tags: [infoviz](#), [language](#), [search](#), [statistics](#), [technology](#), [more...](#)
Saved by: [Ryan Shaw](#) on 7/11/2006 at 8:34 AM - [Details](#)
http://infosthetics.com/archives/2006/07/ah_ahhhhhh_dot_plot_data_visualization.html
2. [SIMS 247: Information Visualization and Presentation](#) Save this!
Tags: [visualization](#), [imported delicious](#)
Saved by: [zephoria](#) on 7/26/2005 at 1:58 PM - [Details](#)
<http://www.sims.berkeley.edu/courses/is247/s04/projects.html>
3. [surreal penguin visualization of LJ](#) Save this!
Tags: [blogging](#), [livejournal](#), [visualization](#), [imported delicious](#)
Saved by: [zephoria](#) on 7/26/2005 at 1:58 PM - [Details](#)
<http://surrealpenguin.com/projects/ljnet/>

Google's Social Search, 2012



obama daily show

Search

About 49,400,000 results (0.66 seconds)

[Advanced search](#)

- Everything
- Images
- Videos
- News
- Shopping
- More

- Any time**
- Latest
- Past 24 hours
- Past week
- Past month
- Past year
- Custom range...

- All results**
- Social

[More search tools](#)

[October 27, 2010 - Barack Obama - The Daily Show With Jon Stewart ...](#) ☆ 🔍

Oct 27, 2010 ... Barack **Obama** talks about the recovering economy, health care reform, and bringing change to Washington.

[www.thedailyshow.com/full.../wed-october-27-2010-barack-obama](#) - Cached

Nundu Janakiram shared this on Twitter - Oct 29, 2010

[The Daily Show with Jon Stewart Official Website | Current Events ...](#) ☆ 🔍

Feb 8, 2011 ... Jon Stewart and The **Daily Show** writers present the ...

[www.thedailyshow.com/](#) - Cached - Similar

[+](#) Show more results from thedailyshow.com

[On the Daily Show, Obama is the last laugh](#) ☆ 🔍

Oct 27, 2010 ... On Comedy Central, the joke was on President **Obama** Wednesday night.

[www.washingtonpost.com](#) > Opinions

[Videos for obama daily show](#)

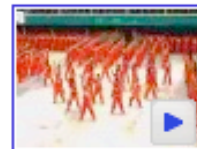


[Obama On 'Daily Show':](#)

[Stewart Presses ...](#) 🔍

Oct 28, 2010

[huffingtonpost.com](#)



[The Daily Show - 10/27/2010 -](#)

[Barack Obama Pt ...](#) 🔍

4 min - Oct 27, 2010

[thedailyshow.com](#)

[Barack Obama's dumb 'Daily Show' Jon Stewart appearance and the ...](#) ☆ 🔍

Oct 27, 2010 ... President **Obama's** handlers have been indiscriminate, carpet-bombing Americans with the man they elected rather than launching communications ...

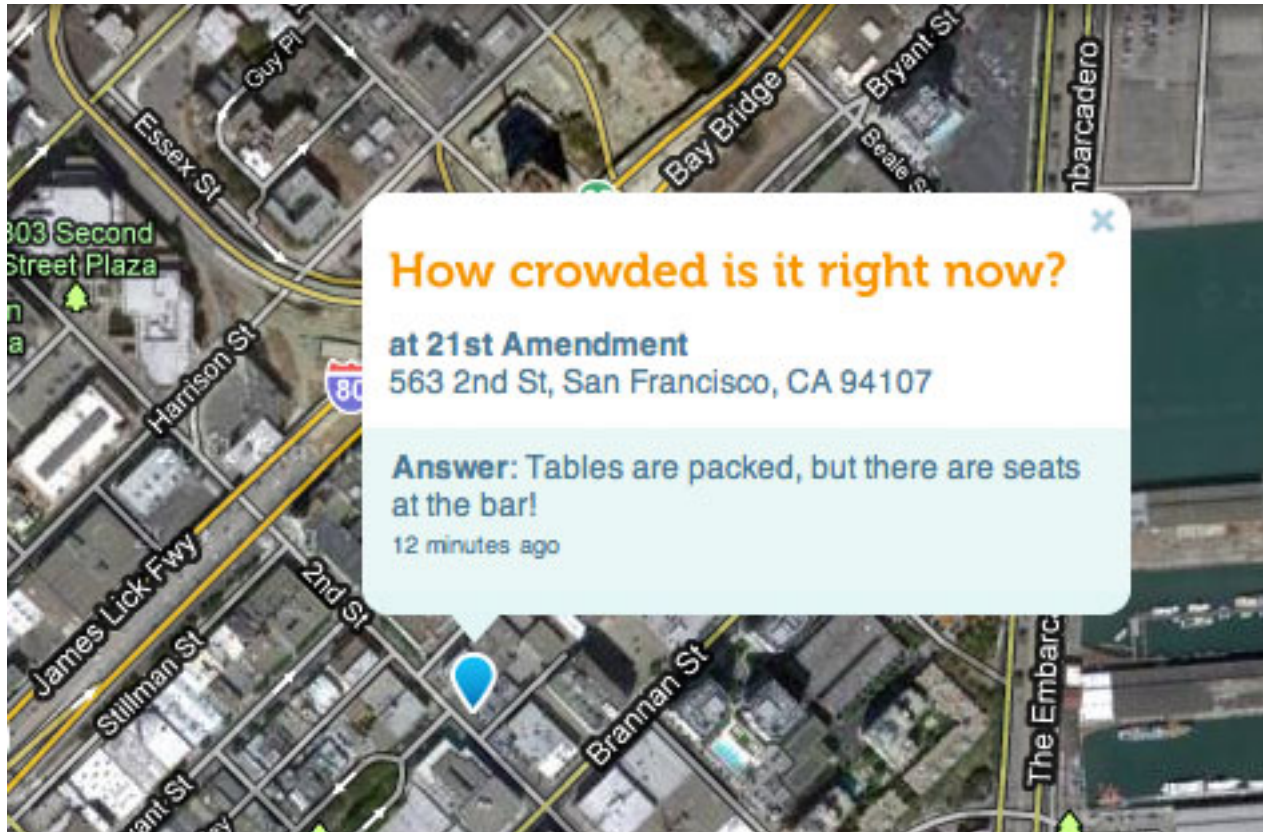
[www.nydailynews.com/.../2010-10-27_obamas_dumb_daily_show_appearance_and_the_presidents_diminishing_brand.html](#)

Social Search: Asking for Answers

What do people ask of their social networks?

Type	%	Example
Recommendation	29%	<i>Building a new playlist – any ideas for good running songs?</i>
Opinion	22%	<i>I am wondering if I should buy the Kitchen-Aid ice cream maker?</i>
Factual	17%	<i>Anyone know a way to put Excel charts into LaTeX?</i>
Rhetorical	14%	<i>Why are men so stupid?</i>
Invitation	9%	<i>Who wants to go to Navya Lounge this evening?</i>
Favor	4%	<i>Need a babysitter in a big way tonight... anyone??</i>
Social connection	3%	<i>I am hiring in my team. Do you know anyone who would be interested?</i>
Offer	1%	<i>Could any of my friends use boys size 4 jeans?</i>

Context-Aware Mobile Search



<http://www.localmind.com/>

Social Search: People Collaborating



Social Search: People Collaborating

The image shows a social search interface for the query "diabetes (george)". The search results are displayed in a list on the left, with the top result being "VGS - Recipes - American Diabetes Association". The main content area on the right shows a detailed article titled "Diabetes-Friendly Holiday Recipes" from Reader's Digest. The article includes a list of ingredients for "SCALLOPED POTATOES" and instructions for preparation. The interface also features a navigation bar at the top with options like "Back", "Forward", "Comment", and "Recommend". A sidebar on the right contains various links and a "Quiz: What's Your Diabetes IQ?" section.

Search Together: diabetes (george)

File Options

george: Hi, Mom!
etty: My doctor told me that I should eat a low-sugar diet.
etty: Can you help me find recipes?
george: No problem!
etty: Thanks!

diabetes friendly recipes
current search source: Follows Live Search

Standard Search Multi-Engine Search

Back Forward Comment Recommend

You can make this for Thanksgiving, Mom!

EXUBERA
Insulin human (RGL-urgh)
Inhalation Powder
Prescribing Information

A breakthrough in insulin delivery

Important Product Information
If you have Type 1 diabetes, you will still have to take some injected insulin in addition to EXUBERA. Some, but not all, patients with Type 2 diabetes will also need to take some injected insulin in addition to EXUBERA.

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Ho-Ho-Holiday Help!
Diabetes-Friendly Holiday Recipes

Worried about your diabetes?
Learn how to help yourself.
Brought to you by

EXUBERA
Insulin
Inhalation
Powder

Ask your doctor if insulin is right for you.

Diabetes pills not enough?
Talk to your doctor.

Important: some insulin addition is needed to start. Some insulin start: some less than EXUBERA function, breathing treatment time, as

Recommendations:

Current Results Summary

VGS - Recipes - American Diabetes Association
Provides recipes plus information on diabetes. Eating out, a virtual grocery tour, exchange lists, and sweeteners.
<http://vgs.diabetes.org/recipe/index.jsp>

Diabetic Recipes
dLife serves up a variety of diabetes-friendly recipes to help you spice up your daily meal planning. With over 1,000 recipes to choose from, just browse our recipe categories to find something new ...
<http://www.dlife.com/dLife/dofRecipe/RecipeMain>

Diabetes Self Management: Recipes
Click on the links to the left to browse a selection of recipes from Diabetes Self-Management magazine. Our diabetes-friendly recipes are generally low in fat and sodium, and each one lists the amount ...
<http://www.diabetesselfmanagement.com/recipe/main.cfm>

Children's Diabetes Foundation - Recipes
Children's Diabetes Foundation at Denver ... Send us your favorite diabetes-friendly recipes!!
<http://www.childrensdiabetesfdn.org/recipes.html>

Diabetes-Friendly Holiday Recipes
Prepare these 3 delicious recipes for a satisfying and seasonal holiday meal ... Lower your blood sugar, lose weight, and live healthier with the program designed especially for ...
<http://www.rd.com/content/openContent.do?contentId=31174>

Diabetes Friendly Holiday Cookie Recipes
Baking cookies is a large part of the traditions of this holiday season, but when you have diabetes ... Baking cookies is a large part of the traditions of this holiday season, but when you have ...
http://diabetes.about.com/od/holidaycookies/Diabetes_Friendly_Holiday_Cookie_Recipes.htm

AARP - Segunda Juventud - Diabetes-Friendly Recipes
The following recipes were created for people with diabetes (and their families) who want to enjoy their favorite Latino dishes—and good blood glucose control, too.
http://www.segundajuventud.org/english/food/2005-FM05FM_diabetes_recipes.html

AARP - Segunda Juventud - Diabetes-Friendly Recipes
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Book Review: Diabetes Friendly Recipes | Caremark Health

Healthy Living

- Fitness
- Healthy Eating
- Everyday Concerns
- Family Health
- Mind & Body
- Natural Remedies
- Prevention
- Weight Loss

Condition Centers

- Cancer
- Cholesterol
- Diabetes
- Heart
- Men's Health
- Mental Health
- Pain
- Women's Health

Health Tools

- Activity Calorie Calculator
- BMI Calculator
- Find a Therapist
- Medical Tests by Age
- Recipe Finder
- Vitamins, Minerals & Herbs Finder

Prepare these three delicious recipes for a satisfying holiday meal.

From: ChangeOne for Diabetes

EMAIL PRINT SUBSCRIBE to RD FONT

The savory smell of lean baked ham filling the air is just part of what makes this meat a perfect centerpiece for all your Christmas homecomings. Both lean and succulent, ham has an abundance of flavor but can be sliced thin to keep taste satisfaction high and calories low. Side dishes are dominated by vegetables that you can keep replenishing as you linger around the table with laughter and conversation.

Add 6 ounces of lean ham to your plate and build a 350-calorie entrée with a serving of each of the following dishes.

SCALLOPED POTATOES

You Will Need

- 4 onions, thinly sliced
- 1/2-3/4 cup chicken broth
- 1 can fat-free evaporated milk
- 1 1/2 pounds potatoes, peeled and sliced
- Salt and fresh-ground black pepper, to taste
- Pinch of paprika

What to Do

1. Preheat the oven to 425°F. Lightly spray a shallow 2-quart baking dish with cooking spray.
2. Bring the onions and 1/2 cup of the broth to a boil in a non-stick skillet over medium heat. Reduce the heat and simmer, stirring occasionally, until

INTERACTIVE FEATURES

Quiz: What's Your Diabetes IQ?

RELATED LINKS

- Exercise: The Diabetes Secret Weapon
- Tips for Exercising in the Cold
- Should You Skip Breakfast?
- Meet Your Diabetes Support Team

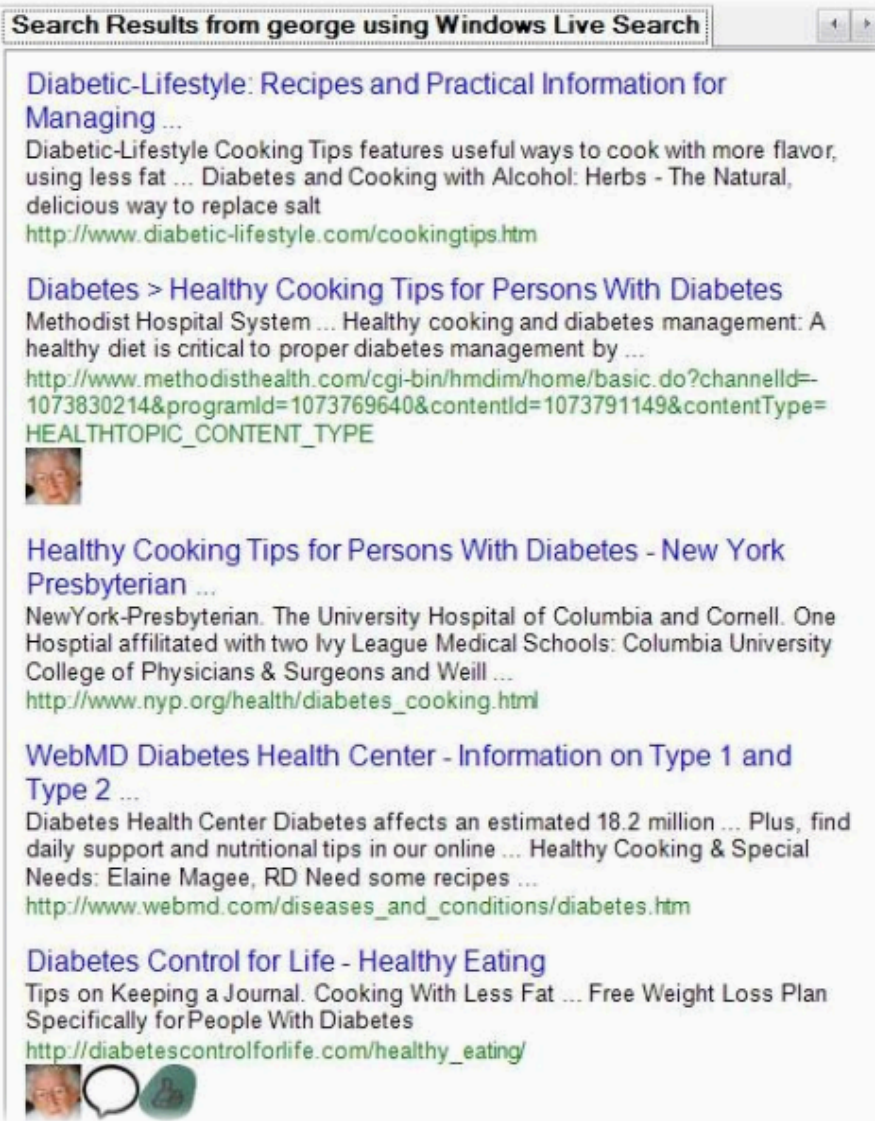
MESSAGE BOARDS

What are your shortcuts for holiday cooking?

- Join the discussion

TAKE YOUR BOIL

Social Search: People Collaborating



Search Results from george using Windows Live Search

Diabetic-Lifestyle: Recipes and Practical Information for Managing ...
Diabetic-Lifestyle Cooking Tips features useful ways to cook with more flavor, using less fat ... Diabetes and Cooking with Alcohol: Herbs - The Natural, delicious way to replace salt
<http://www.diabetic-lifestyle.com/cookingtips.htm>

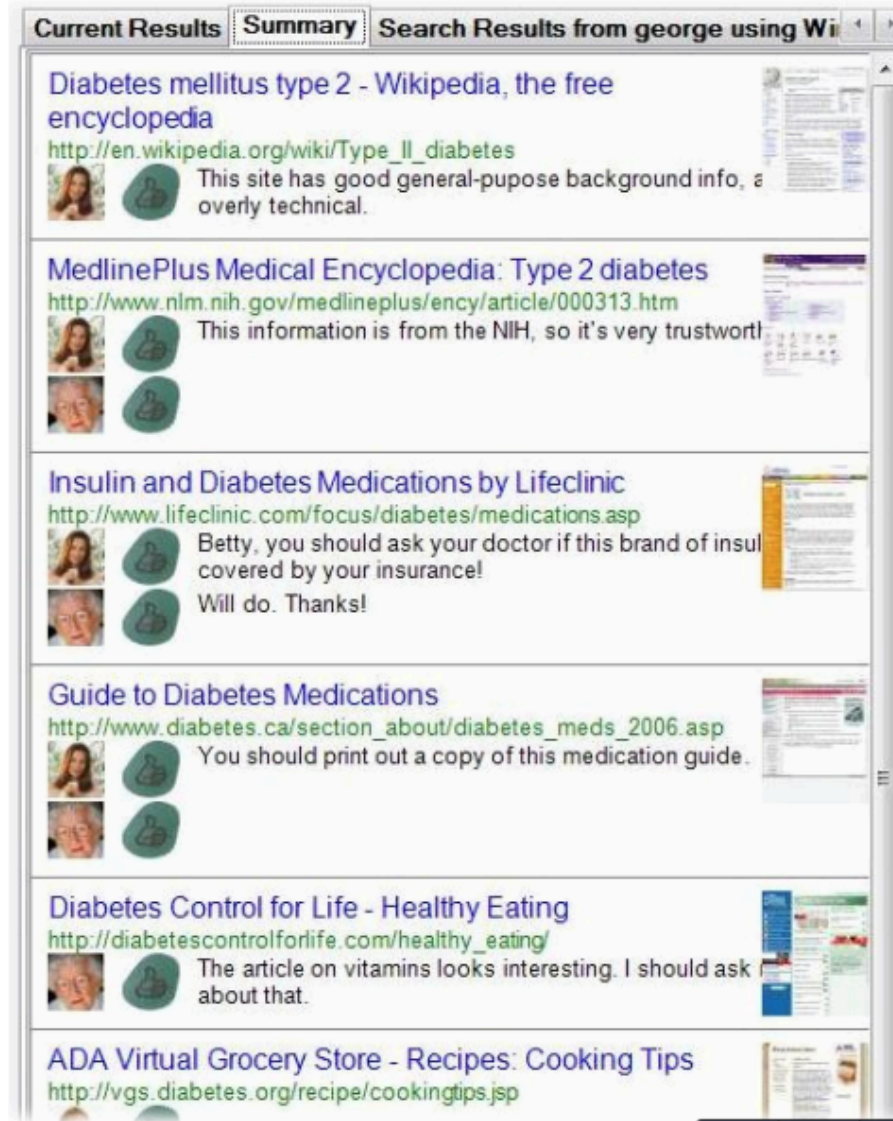
Diabetes > Healthy Cooking Tips for Persons With Diabetes
Methodist Hospital System ... Healthy cooking and diabetes management: A healthy diet is critical to proper diabetes management by ...
http://www.methodisthealth.com/cgi-bin/hmdim/home/basic.do?channelId=1073830214&programId=1073769640&contentId=1073791149&contentType=HEALTHTOPIC_CONTENT_TYPE

Healthy Cooking Tips for Persons With Diabetes - New York Presbyterian ...
NewYork-Presbyterian. The University Hospital of Columbia and Cornell. One Hospital affiliated with two Ivy League Medical Schools: Columbia University College of Physicians & Surgeons and Weill ...
http://www.nyp.org/health/diabetes_cooking.html

WebMD Diabetes Health Center - Information on Type 1 and Type 2 ...
Diabetes Health Center Diabetes affects an estimated 18.2 million ... Plus, find daily support and nutritional tips in our online ... Healthy Cooking & Special Needs: Elaine Magee, RD Need some recipes ...
http://www.webmd.com/diseases_and_conditions/diabetes.htm

Diabetes Control for Life - Healthy Eating
Tips on Keeping a Journal. Cooking With Less Fat ... Free Weight Loss Plan Specifically for People With Diabetes
http://diabetescontrolforlife.com/healthy_eating/

Figure 2. Split search results appear in a separate



Current Results Summary Search Results from george using Wi

Diabetes mellitus type 2 - Wikipedia, the free encyclopedia
http://en.wikipedia.org/wiki/Type_II_diabetes
This site has good general-pupose background info, a overly technical.

MedlinePlus Medical Encyclopedia: Type 2 diabetes
<http://www.nlm.nih.gov/medlineplus/ency/article/000313.htm>
This information is from the NIH, so it's very trustwortl

Insulin and Diabetes Medications by Lifeclinic
<http://www.lifeclinic.com/focus/diabetes/medications.asp>
Betty, you should ask your doctor if this brand of insul covered by your insurance!
Will do. Thanks!

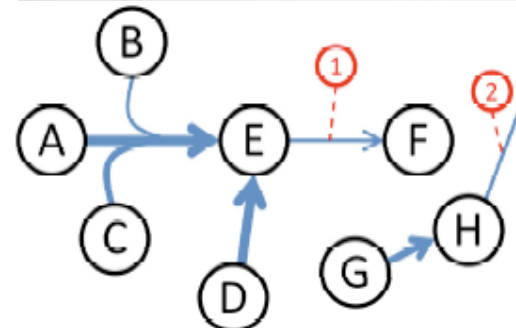
Guide to Diabetes Medications
http://www.diabetes.ca/section_about/diabetes_meds_2006.asp
You should print out a copy of this medication guide.

Diabetes Control for Life - Healthy Eating
http://diabetescontrolforlife.com/healthy_eating/
The article on vitamins looks interesting. I should ask about that.

ADA Virtual Grocery Store - Recipes: Cooking Tips
<http://vgs.diabetes.org/recipe/cookingtips.jsp>

Figure 3. Automatically-generated summary

Social Search: People Collaborating

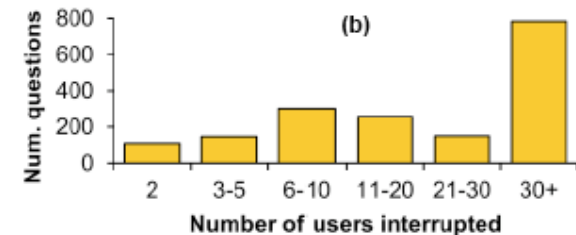
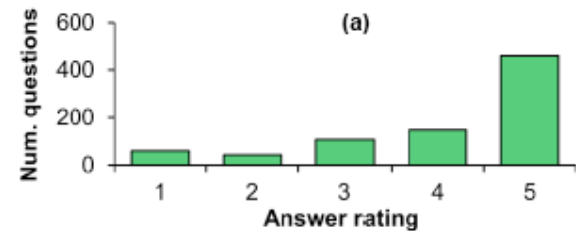
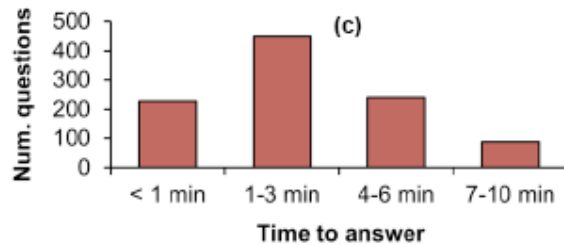
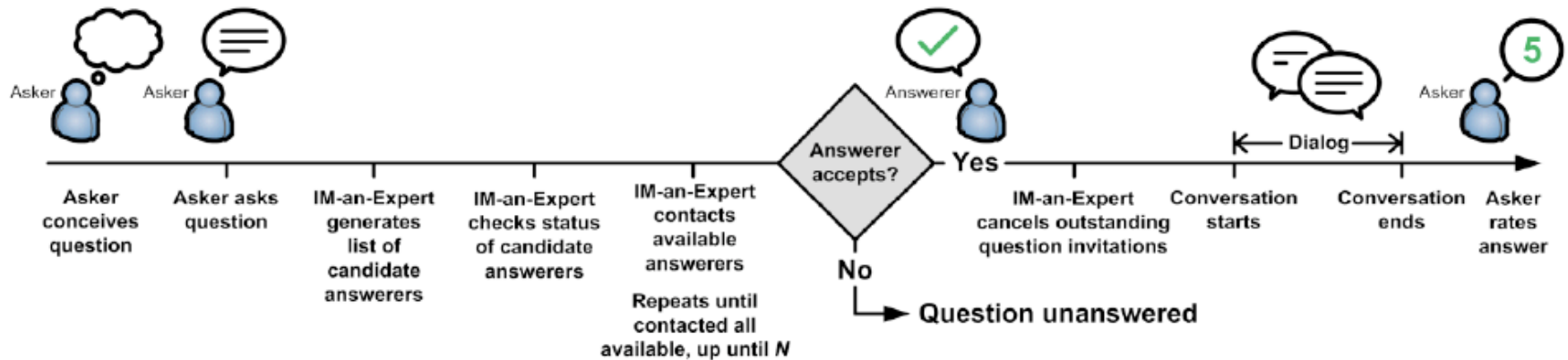


Expression 1:
E AND ((A OR B OR C)
AND D)

Expression 2:
G AND H

Social Search: Asking for Answers

Asking experts in a social network



Collaborative Search Exercise

- Round robin:
 - In a pair, come up with the two best scenarios you can for collaborative search.
 - Write them down.
 - Rank from 1-5 in terms of how successful you think this idea could be.
 - Exchange your results with another pair.
 - Rank the new ideas.
 - Report out the best of the four for each group.

Summary

- As CS gets more sophisticated, we can build search interfaces that allow people to interact more naturally:
 - More language-like queries
 - Speaking & viewing rather than typing & reading
 - More able to interact with other people while doing search tasks
 - More able to use the knowledge in peoples' heads.