

Search Interfaces

Allan Hanbury

Search Interface

- Almost all IR systems are accessed through a search box
- There is usually also an advanced search option



Google Search

I'm Feeling Lucky

[Advanced Search](#)
[Language Tools](#)

Search 2,774,637 documents

 SEARCH

[Advanced Search](#) | [Preferences](#) | [Search Tips](#)



U.S. National Library of Medicine
National Institutes of Health

Search: PubMed

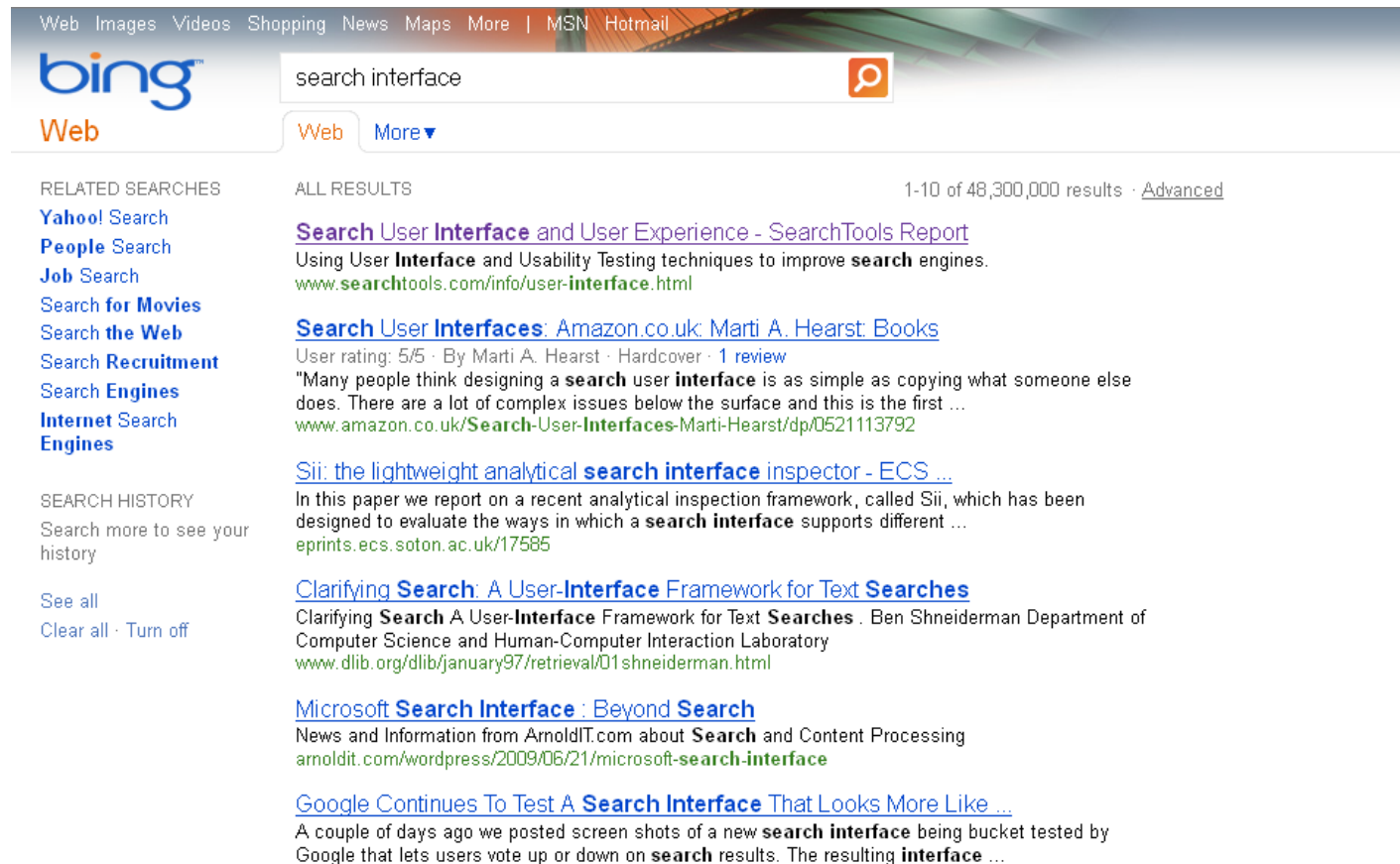
[Limits](#) [Advanced search](#) [Help](#)

Search

Clear

Results

Results are almost always viewed as a vertical list



The screenshot shows a Bing search results page for the query "search interface". The page layout includes a navigation bar at the top with links to Web, Images, Videos, Shopping, News, Maps, and More, along with links to MSN and Hotmail. The Bing logo is on the left, and the search bar contains the text "search interface". Below the search bar, there are tabs for "Web" and "More". The main content area displays "ALL RESULTS" and "1-10 of 48,300,000 results · Advanced". The results are listed vertically, each with a title, a brief description, and a URL. The first result is "Search User Interface and User Experience - SearchTools Report" with a description about using user interface and usability testing techniques. The second result is "Search User Interfaces: Amazon.co.uk: Marti A. Hearst: Books" with a user rating of 5/5 and a description about the book. The third result is "Sii: the lightweight analytical search interface inspector - ECS ..." with a description about a recent analytical inspection framework. The fourth result is "Clarifying Search: A User-Interface Framework for Text Searches" with a description about a framework for text searches. The fifth result is "Microsoft Search Interface : Beyond Search" with a description about news and information from ArnoldIT.com. The sixth result is "Google Continues To Test A Search Interface That Looks More Like ..." with a description about Google testing a new search interface.

Web Images Videos Shopping News Maps More | MSN Hotmail

bing

Web More▼

RELATED SEARCHES

- [Yahoo! Search](#)
- [People Search](#)
- [Job Search](#)
- [Search for Movies](#)
- [Search the Web](#)
- [Search Recruitment](#)
- [Search Engines](#)
- [Internet Search Engines](#)

SEARCH HISTORY

Search more to see your history

See all

Clear all · Turn off

ALL RESULTS 1-10 of 48,300,000 results · [Advanced](#)

[Search User Interface and User Experience - SearchTools Report](#)
Using User **Interface** and Usability Testing techniques to improve **search** engines.
www.searchtools.com/info/user-interface.html

[Search User Interfaces: Amazon.co.uk: Marti A. Hearst: Books](#)
User rating: 5/5 · By Marti A. Hearst · Hardcover · 1 review
"Many people think designing a **search** user **interface** is as simple as copying what someone else does. There are a lot of complex issues below the surface and this is the first ...
www.amazon.co.uk/Search-User-Interfaces-Marti-Hearst/dp/0521113792

[Sii: the lightweight analytical search interface inspector - ECS ...](#)
In this paper we report on a recent analytical inspection framework, called Sii, which has been designed to evaluate the ways in which a **search** **interface** supports different ...
eprints.ecs.soton.ac.uk/17585

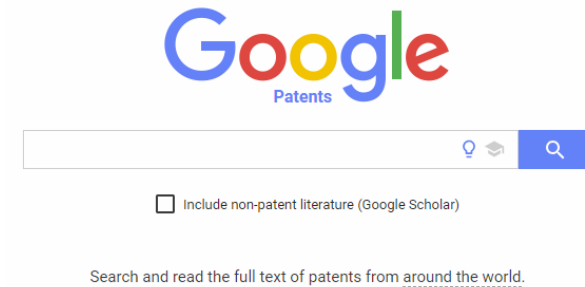
[Clarifying Search: A User-Interface Framework for Text Searches](#)
Clarifying **Search** A User-**Interface** Framework for Text **Searches** . Ben Shneiderman Department of Computer Science and Human-Computer Interaction Laboratory
www.dlib.org/dlib/january97/retrieval/01shneiderman.html

[Microsoft Search Interface : Beyond Search](#)
News and Information from ArnoldIT.com about **Search** and Content Processing
arnoldit.com/wordpress/2009/06/21/microsoft-search-interface

[Google Continues To Test A Search Interface That Looks More Like ...](#)
A couple of days ago we posted screen shots of a new **search** **interface** being bucket tested by Google that lets users vote up or down on **search** results. The resulting **interface** ...

Task of the search user interface

- The search user interface should aid users
 - In the expression of their information needs
 - In the formulation of their queries
 - In selecting among available information sources
 - In the understanding of their search results
 - In keeping track of the progress of their information seeking efforts



Hearst, 2008

Usability

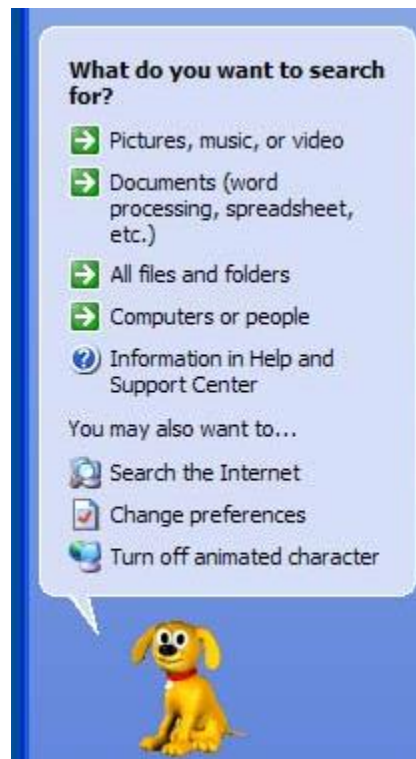
- Five components of **Usability**:
 - **Learnability**: how easy is it for users to accomplish basic tasks the first time they encounter the interface?
 - **Efficiency**: How quickly can users accomplish their tasks after they learn how to use the interface?
 - **Memorability**: After a period of non-use, how long does it take users to re-establish proficiency?
 - **Errors**: How many errors do users make, how severe are these errors, and how easy is it for them to recover from these errors?
 - **Satisfaction**: How pleasant or satisfying is it to use the interface?

Design Guidelines for Search Interfaces

- Offer efficient informative feedback
- Balance user control with automated actions
- Reduce short-term memory load
- Provide shortcuts
- Reduce errors
- Recognise the importance of small details
- Recognise the importance of aesthetics in design

Offer Efficient and Informative Feedback

- Show search results immediately
 - Don't ask the user to click on e.g. search refinements before showing the results



- Show informative document surrogates; Highlight query terms
 - A **document surrogate** contains information on why the document was retrieved, such as:
 - Title
 - URL
 - Textual summary (also called snippets, extracts or abstracts)
 - The design of document surrogates is not straightforward
 - The quality of the surrogate can affect the perceived relevance
 - Today, summaries are designed to show the query terms in the context in which they occur in the document
 - Tradeoff between long surrogates and space on the page
 - Show parts where the query words occur close together
 - Showing full sentences or parts of sentences?



▲ NARROW BY LANGUAGE

[Only English](#)[More](#)

▲ NARROW BY REGION

[Only from Austria](#)

ALL RESULTS

1-10 of 8.530.000 results · [Advanced](#)[barn owl cottages](#) · [Taunton.TripAdvisor.de](#)

Ad

Besuchen Sie Taunton? Hotelpreise & -kritiken vergleichen.

[Barn Owl - Wikipedia, the free encyclopedia](#)

The **Barn Owl** (*Tyto alba*) is the most widely distributed species of **owl**, and one of the most widespread of all birds. It is also referred to as Common **Barn Owl**, to distinguish it from ...

en.wikipedia.org/wiki/Common_Barn_Owl[Barn Owl | Free Music, Tour Dates, Photos, Videos](#)

Barn Owl's official profile including the latest music, albums, songs, music videos and more updates.

www.myspace.com/barnowlband[dict.cc | barn owl | Wörterbuch...](#) [Translate this page](#)

Übersetzung für **barn owl** im Englisch-Deutsch-Wörterbuch dict.cc.

www.dict.cc/?s=barn+owl[Barn Owl | Facebook](#)

Welcome to a Facebook Page about **Barn Owl**. Join Facebook to start connecting with **Barn Owl**.

www.facebook.com/barnowltheband · [Cached page](#)[BARN OWL, JEFRE CANTU-LEDESMA, AIDAN BAKER...](#) [Translate this page](#)

Konzertkasse KOKA36: **barn owl**, jefre cantu-ledesma, aidan baker. **Barn Owl** sind Jon Porras und Evan Caminiti aus San Francisco. Wenn es so was wie Schamanen-Drone-Doom geben sollte ...

https://www.koka36.de/Barn%20Owl%2C%20Jefre%20Cantu-Ledesma%2C%20Aidan%20Baker_ticket...

- Highlighting query terms is known to improve the usability of search result listings
- Highlighting can usefully be shown in both document surrogates and the full documents
 - In documents, they give a visual indication of parts where the search terms occur near to each other
- Don't highlight too much

- Heuristics based on experiments (Clarke et al., 2007)
 - Where possible, all query terms should appear in the surrogate, reflecting their relationship to the corresponding Web page
 - When the query terms are present in the title for the hit, they need not appear in the summary
 - Length and complexity of URLs should be reduced, and URLs should be selected and displayed in a manner that emphasizes their relationship to the query








rockets

Suche

SafeSearch - Aus ▼

Ungefähr 36.700.000 Ergebnisse (0,17 Sekunden)

Google.com in English Erweiterte Suche

-  Alles
-  Bilder
-  Videos
-  News
-  Mehr

Wien

Standort ändern

Das Web

- Seiten auf Deutsch
- Seiten aus Österreich
- Übersetzte Seiten

Alle

- Neueste
- Letzte 24 Std.
- Letzte 2 Tage
- Letzte Woche
- Letzter Monat
- Letztes Jahr
- Zeitraum festlegen...

Alle Ergebnisse

- Websites mit Bildern
- Wunderrad
- Zeitleiste

Mehr Optionen

[NBA.com - Houston Rockets](#) 🔍 - [[Diese Seite übersetzen](#)]

Official site containing news, scores, audio and video files, player statistics, and schedules.

[Schedule](#) - [Rockets Roster](#) - [Tickets](#) - [Rockets Statistics](#)

[www.nba.com/rockets/](#) - [Im Cache](#) - [Ähnliche Seiten](#)

[THE OFFICIAL SITE OF THE HOUSTON ROCKETS](#) 🔍 - [[Diese Seite übersetzen](#)]

Official team site includes the latest news and information about **Rockets** ...

[www.nba.com/rockets/index_main.html](#) - [Im Cache](#)

 Weitere Ergebnisse von [nba.com](#)

[Houston Rockets – Wikipedia](#) 🔍

Die Houston **Rockets** sind eine Mannschaft der nordamerikanischen Basketball-Profiliga NBA.

Die **Rockets** (dt.: „Raketen“) wurden 1967 in San Diego gegründet; ...

[de.wikipedia.org/wiki/Houston_Rockets](#) - [Im Cache](#) - [Ähnliche Seiten](#)

[Rocket - Wikipedia, the free encyclopedia](#) 🔍 - [[Diese Seite übersetzen](#)]

A **rocket** or **rocket vehicle** is a missile, spacecraft, aircraft or other ...

[Rocket \(disambiguation\)](#) - [Rocket-powered aircraft](#) - [Rocketry](#) - [Rocket propellant](#)

[en.wikipedia.org/wiki/Rocket](#) - [Im Cache](#) - [Ähnliche Seiten](#)

 Weitere Ergebnisse von [wikipedia.org](#)

[ROCKETS Agility Team - ROCKETS](#) 🔍

Die Homepage vom Agility Team **ROCKETS** des ÖGV Sattledt.

[agility.jimdo.com/](#) - [Im Cache](#) - [Ähnliche Seiten](#)

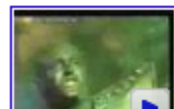
[ROCKETS](#) 🔍

Hier ein erster Vorgeschmack vom neuen **Rockets** Album: ... "The Rockheads" oder "Rockets

Cranky" >>>"Rockets" gibt es auch noch andere auf dieser Welt:) ...

[www.rockets.ch/](#) - [Im Cache](#) - [Ähnliche Seiten](#)

[Videos zu rockets](#) - [Videos melden](#)



[Rockets - Galactica \(1980\)](#) 🔍

5 Min. - 23. Febr. 2007

Hochgeladen von [apollone](#)



[William Shatner-Rocketman](#)

5 Min. - 18. Febr. 2006

Hochgeladen von [pink24](#)

▲ Web

[THE OFFICIAL SITE OF THE HOUSTON ROCKETS](#)

Official team site includes the latest news and information about **Rockets** players, coaches, history and stats. The Houston Rockets play at Toyota Center and are part ...

http://www.nba.com/rockets/index_main.html

[Rocket - Wikipedia, the free encyclopedia](#)

A **rocket** or **rocket** vehicle is a missile, spacecraft, aircraft or other vehicle which obtains thrust from a **rocket engine**. In all rockets, the exhaust is formed ...

<http://en.wikipedia.org/wiki/Rocket>

[Estes Rockets](#)

Estes is world renowned as a leading manufacturer of innovative hobby products for the model **rocket** industry. Our mission is to continue the philosophy that Vern ...

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

[Houston Rockets | NBA Basketball Schedule, Stats, News ...](#)

Houston **Rockets** home page, team center for Houston **Rockets** news, videos, NBA team reports, roster depth charts, results, stats, schedule and more.

<http://msn.foxsports.com/nba/team/houston-rockets/71084>

[Houston Rockets and NBA news and scores | Chron.com - Houston ...](#)

Complete news coverage of the Houston **Rockets** basketball team, with schedules, scores, stats and Houston Chronicle columnists and bloggers.

<http://www.chron.com/sports/rockets/>

[Houston Rockets on Yahoo! Sports - News, Scores, Standings ...](#)

Comprehensive and up-to-date Houston **Rockets** news, scores, schedule, stats and roster.

Search Over: ☒ Full Text & Abstracts ☐ Figure Captions (List) ☐ Figure Captions (Grid) ☐ Tables Sort By: Relevance Results/Page: 20

Results 1-20 of 417 searching full text < 1 2 3 4 >

☒ ABSTRACTS ☒ FULL-TEXT EXCERPTS ☒ FIGURES

Proteomics of early zebrafish embryos

Link, V., Shevchenko, A., Heisenberg, C. (2006) *BMC Developmental Biology*.

ABSTRACT

Zebrafish (*D. rerio*) has become a powerful and widely used model system for the analysis of vertebrate embryogenesis and organ development. While genetic methods are readily available in **zebrafish**, protocols for two dimensional (2D) gel electrophoresis and proteomics have yet to be developed. As a prerequisite to carry out proteomic experiments with early **zebrafish embryos**, we developed a method to efficiently remove the yolk from large batches of **embryos**. This method enabled high resolution 2D gel electrophoresis and improved Western blotting considerably. Here, we provide detailed protocols for proteomics in **zebrafish**...

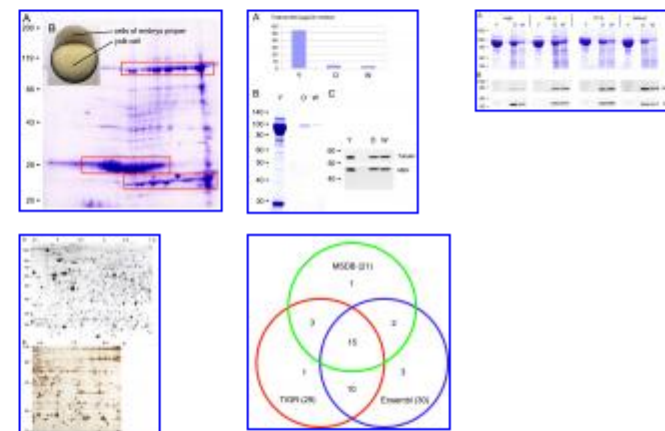
[Show Full Abstract](#)

FULL-TEXT EXCERPTS

...complement the genome-wide expression profiling [3]. However, a major obstacle in the application of proteomics has been the high proportion of yolk proteins in early **embryos**. Proteomic studies in **zebrafish** have therefore been limited to adult tissues [4]. One study targeted larval stages 48 or 72 hpf (hours post fertilization), when the yolk to cell mass ratio is already decreased [5], however, without identifying the proteins. Therefore, it remains unclear whether at this stage analysis... [Show Full Excerpts](#)

VIEW FULL ARTICLE: [HTML](#) | [PDF](#)

FIGURES FROM ARTICLE:



[View all figures \(5\) and tables from this article.](#)

Systolic and diastolic ventricular function in zebrafish embryos: Influence of norepinephrine, MS-222 and temperature

Denvir, M., Tucker, C., Mullins, J. (2008) *BMC Biotechnology*.

FIGURES FROM ARTICLE:



- Allow sorting of results by various criteria
 - E.g. Use sortable columns format



Flüge Hotels Mietwagen Pauschalreisen Kreuzfahrten Deal-Finder Reisetipps

[Suche ändern](#)

Anbieter

keine | alle

- ☒ seat24.de € 1.602,58
- ☒ Airline Direct € 1.629,34
- ☒ L'tur € 1.629,82
- ☒ TUI-ReiseCenter.at € 1.632,84
- ☒ STA Travel € 1.640,74
- ☒ fly.de € 1.643,23
- ☒ Restplatzboerse.at € 1.905,58

Ansicht

- ☒ Standard
- ☐ Hinflug zuerst wählen

Filter

[zurücksetzen](#)

Preis (EUR)

min. 1603

max. 9485

Flugzeiten

Hinflug: ☒ Start ☐ Landung

Abflug: 00:00 - 23:59 Uhr

383 Flüge Wien nach WLG 09.05.2011 - 16.05.2011 Eco 1 EW

Anbieter	Von - Nach	Datum	Abflug	Ankunft	Stops	Airline	Preis (EUR)
seat24	VIE - WLG	Mo 09.05.	13:05	10:00	2	NZ, OS	1.602,58
	WLG - VIE	Mo 16.05.	20:30	22:40	2	NZ	
f t h Details zum Angebot							
seat24	VIE - WLG	Mo 09.05.	19:15	14:45	2	BA, QF	1.622,84
	WLG - VIE	Mo 16.05.	06:10	10:55	2	BA, QF	
f t h Details zum Angebot							
seat24	VIE - WLG	Mo 09.05.	19:15	14:10	2	QF	1.625,84
	WLG - VIE	Mo 16.05.	06:10	10:55	2	BA, QF	
f t h Details zum Angebot							
seat24	VIE - WLG	Mo 09.05.	19:15	14:10	2	QF	1.628,84
	WLG - VIE	Mo 16.05.	06:10	10:55	2	QF	
f t h Details zum Angebot							
airlinedirect	VIE - WLG	Mo 09.05.	07:55	14:45	2	QF	1.629,34
	WLG - VIE	Mo 16.05.	06:10	10:55	2	QF	
f t h Details zum Angebot							
airlinedirect	VIE - WLG	Mo 09.05.	14:15	14:45	2	QF	1.629,34
	WLG - VIE	Mo 16.05.	06:10	10:55	2	QF	
f t h Details zum Angebot							
VIE - WLG Mo 09.05. 14:15 14:45 2 37:30 QF							

HOTELS VERGLEICHEN

...und nicht nur beim Flug spa

Wellington

09. Mai 2011

16. Mai 2011

alle Kategorien

Doppelzimmer

SUCHEN!



Hier Tickets kaufen
Wien Zentrum - Flughafen in nur 16 Minuten
€ 1,- sparen
CAT CITY AIRPORT TR

germanwings



- Show query term suggestions
 - Spelling correction suggestions
 - Sometimes the correct spelling is suggested
 - Earlier search engines often showed the results only for the incorrectly spelled words, today some search engines interleave results with the correct spelling with those with the original spelling, or give only the correct spelling (with an option to selection the wrong spelling)

[Web](#) [Images](#) [Video](#) [Local](#) [Shopping](#) [News](#) [More ▾](#)

recieve

Search

Options ▾

QuickApps

SafeSearch - On

439,000,000 results for
recieve:

Show All

WordReference.com

Merriam-Webster

Dictionary.com

The Free Dictionary

YourDictionary.com

We have included [receive](#) results - Show only [recieve](#)**[Receive](#) - Definition and More from the Free Merriam-Webster ...**Definition of **RECEIVE**. transitive verb. 1: to come into possession of : acquire < **receive** a gift> 2. a: to act as a receptacle or container for <the cistern **receive** s ...www.merriam-webster.com/dictionary/receive - [Cached](#)**[Receive](#) | Define [Receive](#) at Dictionary.com**-verb (used with object) 1. to take into one's possession (something offered or delivered): to **receive** many gifts. 2. to have (something) bestowed, conferred, etc ...dictionary.reference.com/browse/receive - [Cached](#)**[receive](#) - definition of [receive](#) by the Free Online Dictionary ...**

re-ceive (r-s v) v. re-ceived, re-ceiving, re-creates. v. tr. 1. To take or acquire (something given, offered, or transmitted); get. 2. To hear or see ...

www.thefreedictionary.com/receive - [Cached](#)**[receive](#) - Definition of [receive](#) at YourDictionary.com**transitive verb. to take or get (something given, offered, sent, etc.); acquire or accept; to encounter; experience: to **receive** acclaim; to have inflicted on one ...www.yourdictionary.com/receive - [Cached](#)**[Urban Dictionary: \[recieve\]\(#\)](#)**

A common misspelling of "receive". Some smartasses like to "criticize" this mistake, but "they're" usually the ones who make the actually irritatin...

www.urbandictionary.com/define.php?term=recieve - [Cached](#)**[receive](#) - Wiktionary**to get, to be given something while the other party is the active partner (opposite: to obtain). She **receive** d a lot of presents for her birthday. - to take ...en.wiktionary.org/wiki/receive - [Cached](#)**[Receiver](#) - Wikipedia, the free encyclopedia****Receive** may mean: To be given; to accept; To take part in Eucharist, the Christian



recieve



Search

About 782,000,000 results (0.10 seconds)

[Go to Google.com](#) [Advanced search](#)

 Everything

 Images

 Videos

 News

 Shopping

 More

Search near...

Enter location

Set

The web

[Pages from the UK](#)

Any time

Latest

[Past 24 hours](#)

[Past 2 days](#)

[Past week](#)

[Past month](#)

[Past year](#)

[Custom range...](#)

[More search tools](#)

Showing results for [receive](#). Search instead for [recieve](#)

► **re-ceive** /ri'sēv/ Verb

1. Be given, presented with, or paid (something): "most businesses will **receive** a tax cut".
2. Take delivery of (something sent or communicated): "he **received** fifty inquiries". [More »](#)

[Wikipedia](#) - [Dictionary.com](#) - [Answers.com](#) - [Merriam-Webster](#)

[Receive](#) - Definition and More from the Free Merriam-Webster Dictionary 🔍

to come into possession of: acquire <**receive** a gift>. 2. a : to act as a receptacle or container for <the cistern receives water from the roof> b : to ...

[www.merriam-webster.com/dictionary/receive](#) - [Cached](#) - [Similar](#)

[Receive](#) | Define [Receive](#) at Dictionary.com 🔍

to take into one's possession (something offered or delivered): to **receive** many gifts. 2. to have (something) bestowed, conferred, etc. ...

[Receivership](#) - [Receiver general](#) - [Received standard](#)

[dictionary.reference.com/browse/receive](#) - [Cached](#) - [Similar](#)

[receive](#) - definition of [receive](#) by the Free Online Dictionary ... 🔍

v. re-ceived, re-ceiving, re-ceives. v.tr. 1. To take or acquire (something given, offered, or transmitted); get. 2. To hear or see (information, ...

[Receiver](#) - definition of receiver by ... - [Receive a legacy](#) - [Receive and Give](#)

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

[receive](#) - Wiktionary 🔍

receive (third-person singular simple present receives, present participle receiving, simple past and past participle received) ...

[en.wiktionary.org/wiki/receive](#) - [Cached](#) - [Similar](#)

- Related term suggestion, or term expansion usually means the suggestion of alternative wording
 - Some query term suggestions are based on the entire search session of the particular user
 - Others are based on behavior of other users who have issued the same or similar queries in the past
 - One strategy is to show similar queries by other users
 - Another is to extract terms from documents that have been clicked on in the past by searchers who issued the same query



students are |

students are **not robots**
students are **the future**
students are **the pillars of the nation** essay
students are **not allowed**
students are **passive in**
students are **taught in classroom here**
students are **lazy**
students are **stressed**
students are **the future quotes**
students are **the backbone of a nation**

Google Search

I'm Feeling Lucky



professors are |



professors are **useless**
professors are **prejudiced too**
professors are **lazy**
professors are **jerks**
professors are **worthless**
professors are **smart**
professors are **not teachers**
professors are **overpaid**
professors are **bad teachers**

Google Search

I'm Feeling Lucky

ba

Search

ba

bank of america

barnes and noble

baby names

babies r us

bass pro shop

barbie

baskin robbins

backpage

ba & j enterprises llc 55902

BA - Boeing Company (The) Common Sto

↓ **78.48 -0.36 (-0.46%)** at 11:30 EDT May 5

Open: 78.52

Prev Close: 78.84

Mkt cap: 57.94B

Vol/Avg: 1.67M/4.98M

Day: 78.24 - 79.20

52wk: 59.48 - 80.65

[Go to Yahoo! Finance](#)

Quote delay: 15 min - Nasdaq, 20 min - NYSE/Amex

Low: 78.24 High: 79.20



YAHOO! FINANCE

QuickApps

Safe Search - On

439,000,000 results for
recieve:

Show All

WordReference.com

Merriam-Webster

Dictionary.com

The Free Dictionary

ban

Search

bank of america

banana republic

chase bank

band of horses

us bank

wells fargo bank

pnc bank

tight pants ban

regions bank

ban a 47408

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www.bankofamerica.com

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QuickApps

Safe Search - On

439,000,000 results for
recieve:

Show All

WordReference.com

Merriam-Webster

Dictionary.com

The Free Dictionary

- Use relevance indicators sparingly
 - In the past, a numerical score, graphical bar or row of stars was used in the result list to indicate relevance
 - These have fallen out of favour
 - Meaning opaque to users
 - Vertical order of the results already a strong indicator
 - Graphical indicators of other kinds of information, such as stars for how favourably an item is reviewed, can be useful



Matches 1 - 50 out of 197608

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) >

Match	Document	Document Title	Score
1	7787705	Video text processing apparatus Video frames that contain text areas are selected from given video frames by removing redundant frames and non-text frames, the text areas in the selected frames are located by removing false...	1000
2	7929765	Video text processing apparatus Video frames that contain text areas are selected from given video frames by removing redundant frames and non-text frames, the text areas in the selected frames are located by removing false...	898
3	US20050201619	Video text processing apparatus Video frames that contain text areas are selected from given video frames by removing redundant frames and non-text frames, the text areas in the selected frames are located by removing false...	772
4	6842537	Text detection In a method of detecting text in a video signal (VS), high horizontal frequencies in the video signal (VS) are detected (ED) to obtain horizontal edge detection results (refo, refpp1, refpp2), and...	764
5	6937766	Method of indexing and searching images of text in video A method for generating an index of the text of a video image sequence is provided. The method includes the steps of determining the image text objects in each of a plurality of frames of the video...	735
6	US20050168637	Video and text display A display apparatus comprises a signal converter (SC) which converts input text information (IT) and interlaced input video information (IV) with a number of video lines (Li) in a video field (Fi)...	723
7	7061492	Text improvement In a method of text improvement, image text in an image is detected (SW, Det), the image is scaled (Scal) to adjust first numbers of pixels per line and lines per image of the image to second...	719

- Support rapid response
 - A rapid response allows users to try query reformulations rapidly
 - When rapid responses are not available, search strategies change
 - For specialised applications, such as airline flight search, where the results are the final desired information, users don't mind having to wait (but show an animation)

Design Guidelines for Search Interfaces

- Offer efficient informative feedback
- Balance user control with automated actions
- Reduce short-term memory load
- Provide shortcuts
- Reduce errors
- Recognise the importance of small details
- Recognise the importance of aesthetics in design

Balance User Control with Automated Actions

- Tradeoff between opaque system control and transparent user control
- Rank ordering in web search
 - Early systems used variations on vector-based ranking
 - In the 1990's, Hotbot introduced conjunctive (AND-based) query analysis, which became standard
 - In the late 1990's, Google assigned higher weights to documents in which query terms occur in close proximity to one another
 - Google also incorporated popularity (PageRank)

- Today, users tend to issue longer and more complex queries, e.g. `typing while recovering from clavicle surgery`
- Search engines ignore syntactic structuring words `while` and `from`
- Users can get more control through the use of query options such as `“..”`, `-`, `*`, `+`, `OR`
- Query transformations
 - Search engines often make subtle changes to the queries to improve search results
 - E.g. Remove stopwords, stemming, expand common abbreviations
 - Users can again override these with query options

Example

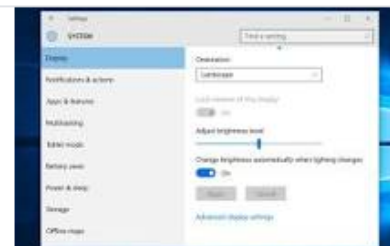
- Consider the following queries. Based on the results, what is it doing with them?
 - how to change screen brightness on laptop
 - how to change a pdf into a word document
 - does the post office change foreign currency
 - how to change memory in laptop
 - how to change between monitors

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About 7.880.000 results (0,49 seconds)

Open the **Settings** app from your Start menu or Start **screen**, select "System," and select "**Display**." Click or tap and drag the "**Adjust brightness level**" slider to **change** the **brightness** level. If you're using Windows 7 or 8, and don't have a **Settings** app, this option available in the Control Panel.

Feb 14, 2016

[How to Adjust Your PC's Screen Brightness, Manually and Automatically](#)<https://www.howtogeek.com/.../how-to-adjust-your-pcs-screen-brightness-manually-and...>[? About this result](#)[Feedback](#)

People also ask

[How do I change the brightness on my laptop?](#)[How do I brighten my laptop screen?](#)[How do I change the screen brightness in Windows 10?](#)[How do I adjust the brightness on my HP Windows 10 laptop?](#)[Feedback](#)[How do I adjust my brightness or contrast on my laptop?](#)<https://www.computerhope.com > Help > Laptop Help > LCD Help>


Jun 22, 2018 - The **brightness** function keys may be located at the top of your keyboard, or on your arrow keys. For example, on the keyboard of a Dell XPS laptop (pictured below), hold the Fn key and press F11 or F12 to **adjust** the **brightness** of the screen. Other laptops have keys dedicated entirely to **brightness** control.

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About 468.000.000 results (0,48 seconds)

How to convert a PDF file to Word:

1. Open a **file** in Acrobat.
2. Click on the Export **PDF** tool in the right pane.
3. Choose Microsoft **Word** as your export **format**, and then choose **Word Document**.
4. Click Export. ...
5. Name the **Word file** and save it in a desired location.

[Convert PDF to word doc, PDF to Word converter | Adobe Acrobat DC](#)<https://acrobat.adobe.com/us/en/acrobat/how-to/pdf-to-word-doc-converter.html>[? About this result](#) [Feedback](#)**People also ask**How do I convert PDF to Word for free? How can I import a PDF into Word? How do I convert PDF to Word on Android? How can I edit a PDF document for free? [Feedback](#)[Convert PDF to word doc, PDF to Word converter | Adobe Acrobat DC](#)<https://acrobat.adobe.com/us/en/acrobat/how-to/pdf-to-word-doc-converter.html> 

How to convert a PDF file to Word: Open a file in Acrobat. Click on the Export PDF tool in the right pane. Choose Microsoft Word as your export format, and then choose **Word Document**. Click Export. Name the **Word file** and save it in a desired location.




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About 393.000.000 results (0,76 seconds)

Post Office Travel Money is provided by First Rate **Exchange** Services. ... During the **Post Office Money** Flash Sale, **currency** fluctuations may cause the advertised sale **exchange rate** to **change** during the promotional period. We reserve the right to withdraw this offer at any time.

[Foreign Currency Exchange | Post Office®](#)<https://www.postoffice.co.uk/foreign-currency>[? About this result](#) [Feedback](#)

People also ask

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Post Office Travel Money is provided by First Rate Exchange Services. ... During the Post Office Money Flash Sale, currency fluctuations may cause the advertised sale **exchange rate** to **change**

About 129.000.000 results (0,60 seconds)

Here's how to upgrade your laptop's memory.

1. See How Much RAM You're Using. ...
2. Find Out if You Can Upgrade. ...
3. Open the Panel to Locate Your **Memory** Banks. ...
4. Ground Yourself to Avoid Electrostatic Discharge. ...
5. Remove **Memory** if Necessary.

Mar 26, 2017

How to Upgrade the RAM (Memory) on a Laptop - Laptop Mag

<https://www.laptopmag.com/articles/ram-upgrade-tutorial>



? About this result

Feedback

People also ask

How do I free up some memory on my laptop?



How do I add more memory to my PC?



How do you replace RAM in a laptop?



Can you upgrade a laptop?



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About 216.000.000 results (0,66 seconds)

Videos



Switch Between
Monitors with
ShortCut Key
Windows 10

CKWTech LLC
YouTube - Mar 4, 2017



How to switch
windows between
two monitors

Justinas Ba
YouTube - Aug 12, 2015



How to Set Up /
Connect Multiple
Monitors in
Windows 10 | HP ...

HP Support
YouTube - Feb 17, 2017



People also ask

How do I change my monitor from 1 to 2?



How do you toggle between screens?



How do I switch between screens in Windows 10?



How do you get the mouse to move between two monitors?



Feedback

How Do I Switch Between Two Monitors? | Techwalla.com

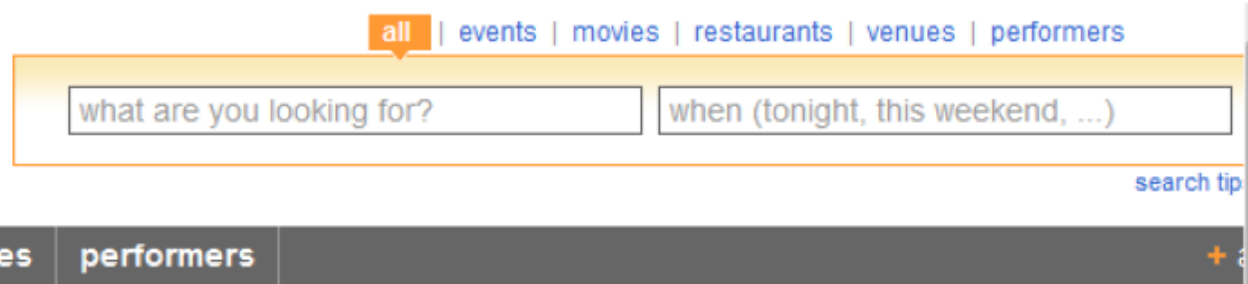
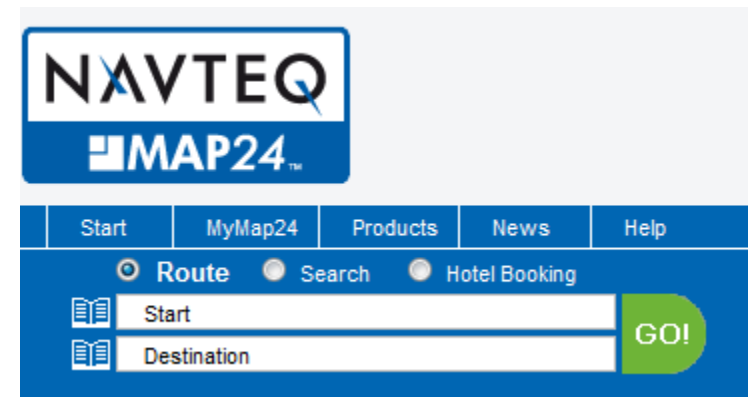
<https://www.techwalla.com/articles/how-do-i-switch-between-two-monitors>

Design Guidelines for Search Interfaces

- Offer efficient informative feedback
- Balance user control with automated actions
- Reduce short-term memory load
- Provide shortcuts
- Reduce errors
- Recognise the importance of small details
- Recognise the importance of aesthetics in design

Reduce short-term memory load

- Suggest the search action in the entry form
 - Usually in a grey font
 - Works because the user must look at the search box before typing, and hence provides the information at exactly the correct point of the workflow



- Support simple history mechanisms
 - Users very often want to go back to pages that they have visited before
 - Can be supported by the browser (e.g. Chrome with its grid of frequently visited Web pages, and the drop-down list of recently visited pages)
 - Search engines can also provide query history if the user agreed to have the information recorded
 - Many shopping Web sites have this feature



- Integrate Navigation/Browsing and Search
 - Browsable information structures (links, table of contents) give an overview of the contents of a collection
 - Organizing results into meaningful groups can help users understand the results and decide what to do next
 - Popular methods for grouping search results: **category systems** and **clustering**



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Arztbesuch

Kinderarztbesuch

Krankenhausaufenthalt

Medikamente

Basis-Info

Die Behandlung mit
Medikamenten

Der Bezug von
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e-Medikation

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Mehr zum Thema

Anästhesie

Rezepte, Anträge & Co.

Medikamente

Arzneimittel spielen eine wichtige Rolle, um gesundheitliche Beschwerden zu lindern oder Erkrankungen zu heilen. Rund 12.000 Medikamente sind in Österreich zugelassen. Die sichere Versorgung mit Arzneimitteln ist eine tragende Säule des Gesundheitssystems.



Basis-Info

Arzneimittel sind gründlich erforscht und erprobt. Ihr wichtigster Bestandteil ist der Wirkstoff, der im Organismus die gewünschte Wirkung erzielen soll. Entscheidend ist auch die richtige Anwendung.



Die Behandlung mit Medikamenten

Arzneimittel wirken gezielt bei bestimmten gesundheitlichen Beschwerden oder Erkrankungen. Entscheidend sind die richtige Auswahl, die Dosierung und die Therapietreue bei der Anwendung.



Der Bezug von Medikamenten

Damit Arzneimittel sicher wirken, werden Herstellung, Abgabe und Anwendung streng kontrolliert. Die Versorgung mit rezeptpflichtigen Medikamenten ist über die Krankenversicherung geregelt.



e-Medikation

Ärztlich verordnete oder in Apotheken rezeptfrei erhältliche Medikamente werden elektronisch erfasst. Ziel ist mehr Sicherheit für Patientinnen/Patienten bei der Medikamenteneinnahme.



Medikamentensuche

Detaillierte Informationen zu allen in Österreich zugelassenen Arzneimitteln können Sie über zwei Such-Tools abfragen: Von der Gebrauchsinformation über die Packungsgröße bis zum Wirkstoff.

Suche

Suchbegriff

Suchen

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[Notruf-Nummern](#)

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Fragen & Anregungen

- **Category systems** are the main tools for navigating information structures and organising search results
- Category system: meaningful labels organized in such a way as to reflect the concepts relevant to a domain
 - Good category systems have the characteristics of being coherent and relatively complete
 - Their structure is predictable and consistent across search results for an information collection
- Usually created manually, although assignment of documents to categories can be automated to a certain degree of accuracy

- The most commonly used category structures are **flat**, **hierarchical**, and **faceted** categories
- Flat categories are simply lists of topics or subjects
 - They can be used for grouping, filtering (narrowing), and sorting sets of documents in search interfaces
- Most Web sites organize their information into general categories
 - Selecting that category narrows the set of information shown accordingly
- However, it can difficult to find the right subset of categories to use for the vast content of the Web
- Rather, category systems seem to work better for more focused information collections



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ESPN

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Reg

<	Top 6th	Bottom 4th	Bottom 4th	Bottom 4th	Top 3rd	Bottom 2nd	3:35 PM	7:05 PM
	HOU 1	SF 1	TOR 0	NYN 2	LAA 0	FLA 0	CLE	WSH
	CIN 4	NYM 3	TB 3	DET 1	BOS 0	STL 1	OAK	PHI

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MORE

- In the early days of the Web, hierarchical directory systems such as Yahoo's were popular
- This has declined
 - Accuracy of search engines improved
 - Hierarchy is difficult to navigate, as a page can often be in different categories
- Hierarchies can be effective in the presentation of search results over a book or other small collection



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Yahoo! On April 16, 1997
<http://www.waybackmachine.org>

[My Yahoo!](#) - [Yahoo!igans! for Kids](#) - [Beatrice's Web Guide](#) - [Yahoo! Internet Life](#)

[Weekly Picks](#) - [Today's Web Events](#) - [Chat](#) - [Weather Forecasts](#)

[Random Yahoo! Link](#) - [Yahoo! Shop](#)

- An alternative representation is **faceted metadata**
- Unlike flat categories, faceted metadata allow the assignment of multiple categories to a single item
- Faceted metadata consists of a set of categories (flat or hierarchical), each of which corresponds to a different facet (dimension or feature type) of the collection of items
- An interface using faceted metadata is known as **faceted navigation**
- **Query previews** show how many documents will be returned when a user clicks on a facet

Nobel Prize Winners

1901 to 2004

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History and Settings

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Logout

search

☒ all items ☐ in current results

Refine your search within these categories:

GENDER ([group results](#))

[female](#) (2)

[male](#) (10)

COUNTRY: [all](#) > [Austria](#)

AFFILIATION ([group results](#))

[Austria](#) (6)

[Switzerland](#) (1)

[Die](#)

[United States of](#)

[Friedenswarte](#) (1)

[America](#) (2)

[Germany](#) (1)

PRIZE ([group results](#))

[chemistry](#) (1)

[peace](#) (2)

[literature](#) (1)

[physics](#) (3)

[medicine](#) (5)

YEAR ([group results](#))

[1900s](#) (1)

[1940s](#) (1)

[1910s](#) (2)

[1970s](#) (1)


[1920s](#) (2)


[2000s](#) (1)

[1930s](#) (4)

Recently Viewed Items

[Go to Item History](#)

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

COUNTRY: [Austria](#) 

12 results

Group by: [country](#)

Sort by: usual name, [year of birth](#), [year of death](#), [country](#)



[Alfred Fried](#)
1864-1921



[Bertha von Suttner](#)
1843-1914



[Elfriede Jelinek](#)
1946-



[Erwin Schrödinger](#)
1887-1961



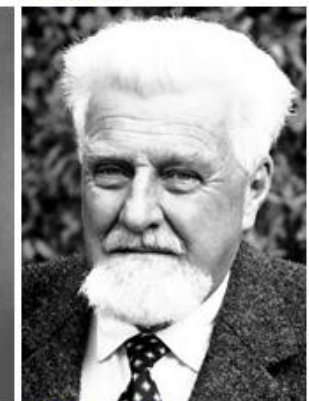
[Fritz Pregl](#)
1869-1930



[Julius Wagner-Jauregg](#)
1857-1940



[Karl Landsteiner](#)
1868-1943



[Konrad Lorenz](#)
1903-1989

<http://orange.sims.berkeley.edu/cgi-bin/flamenco.cgi/nobel/Flamenco>



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Search for (e.g. taco, cheap dinner, Max's)

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

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Italian San Francisco

1 to 10 of 256 - Results per page: 10

Browsing [San Francisco](#) » [Restaurants](#) » [Italian](#)

▼ Hide Filters

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Cinecitta Ristorante & Bar

Category: Bars

Neighborhood: North Beach/Telegraph Hill



1/2 Price Bottles of Wine - Mon/Tue

All bottles of wine are 1/2 price every Monday and Tuesday.

★★★★★ 177 reviews

663 Union St

San Francisco, CA 94133

[\(415\) 291-8830](#)

Yelp Ad

1. Caffé BaoNecci

Categories: Pizza, Italian

Neighborhood: North Beach/Telegraph Hill



I feel bad that I haven't written a review thus far for these folks. People I sent here have already done it! I've been here at least 5 times and just love the thin crust pizza! I've...

★★★★★ 214 reviews

516 Green St

San Francisco, CA 94133

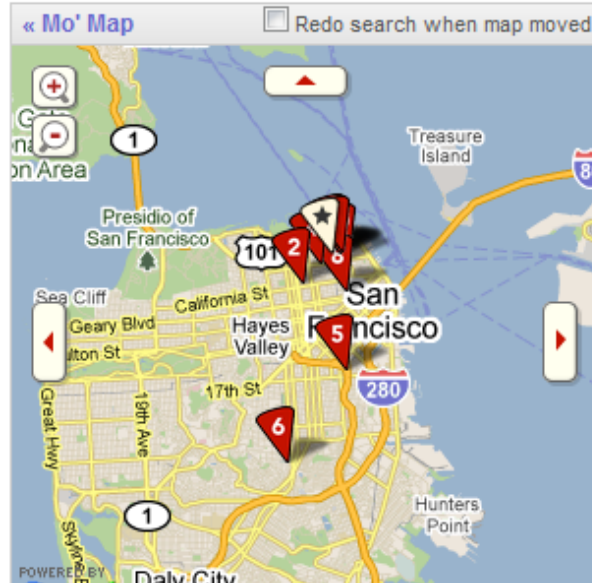
[\(415\) 989-1806](#)

2. Acquerello

Category: Italian

★★★★★ 429 reviews

1722 Sacramento St



- **Clustering** refers to the grouping of items according to some measure of similarity
- It groups together documents that are similar to one another but different from the rest of the collection
- The greatest advantage of clustering is that it is fully automatable
- The disadvantages of clustering include
 - an unpredictability in the form and quality of results
 - the difficulty of labeling the groups
 - the counter-intuitiveness of cluster sub-hierarchies

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- + Jaguar Land Rover (48)
- + Photos (58)
- + Hyundai, Honda (75)
- + Jacksonville Jaguars (43)
- + Club (48)
- + Classic (49)
- + Sports Cars (11)
- + Reviews (36)
- + Jaguar Dealer (29)
- + Loss, Patriots (14)
- + Wembley, Guardian (11)
- + New And Used Jaguar (17)
- + Jaguar For Sale (16)
- + Car Dealer (16)
- + Jaguar e -Pace (14)
- + Atari Jaguar (16)
- + Titans (9)
- + Leonard Fournette (6)
- + Fear (5)
- + Kits (10)
- + Collection (12)
- + College (11)
- + Auto Sales (8)
 - Fender (6)
 - Jaguar is the largest (3)
 - NFL roundup (3)
- + Cars & Trucks (9)
- + Advice, Consumers (7)
 - Eagles beat (3)

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The **jaguar** is the only extant New World member of the genus Panthera. Results of DNA analysis shows the lion, tiger, leopard, **jaguar**, snow leopard, and clouded leopard share a common ancestor, and that this group is between six and ten million years old; the fossil record points to the emergence of Panthera just two to 3.8 million years ago. The Panthera are thought to have evolved in Asia.

<https://en.wikipedia.org/wiki/Jaguar> - - Yippy Index V

[Jaguars Home | Jacksonville Jaguars - jaguars.com](#) [new window](#) [preview](#)

The Jacksonville **Jaguars** Home: The official source of the latest **Jaguars** headlines, news, videos, photos, tickets, rosters, stats, schedule and gameday information

<https://www.jaguars.com> - - Yippy Index V

[2019 Jaguar Cars | Models and Prices | Car and Driver](#) [new window](#) [preview](#)

The **Jaguar** XJR575 is a luxury sedan with huge power that trades blows with the best bigs from Audi, BMW, and Mercedes-Benz.

<https://www.caranddriver.com/jaguar> - - Yippy Index V

[Jaguar Cars - Wikipedia](#) [new window](#) [preview](#)

Jaguar (UK: / ˈ dʒ æ g j u ər /, US: / ˈ dʒ æ g w ɑː r /) is the luxury vehicle brand of **Jaguar** Land Rover, a British multinational car manufacturer with its headquarters in Whitley, Coventry, England and owned by the Indian company Tata Motors since 2008. **Jaguar** Cars was the company that was responsible for the production of **Jaguar** cars until its operations were fully merged with ...

https://en.wikipedia.org/wiki/Jaguar_Cars - - Yippy Index V



jaguar

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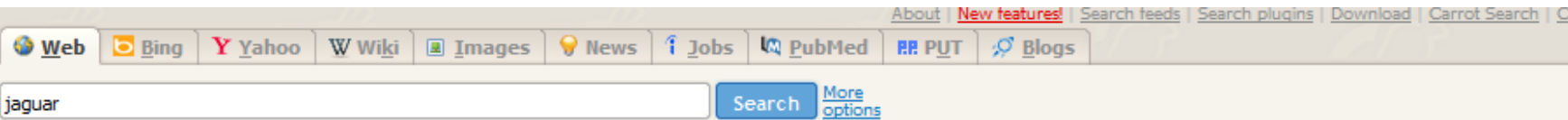
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Top 96 results of about 293 for **jaguar**

- [Jaguar USA - Jaguar Cars](#)
Share the excitement of **Jaguar's** appearance at one of the most prestigious events in the automotive industry calendar. FIND OUT MORE ...
<http://www.jaguar.com/us/en/> [Ask, Bing, Entireweb, Google]
- [Jaguar International - Market selector page](#)
Official worldwide web site of **Jaguar** Cars. Directs users to pages tailored ...
<http://www.jaguar.com/> [Ask, Bing, Entireweb, Google, Yahoo]
- [Jaguar - Wikipedia, the free encyclopedia](#)
The **jaguar** is a big cat, a feline in the Panthera genus, and is the only Panthera species found in the Americas. The **jaguar** is the third-largest feline ...
<http://en.wikipedia.org/wiki/Jaguar> [Bing, Google, Wikipedia, Yahoo]
- [Jaguar Cars - Wikipedia, the free encyclopedia](#)
Jaguar Cars Ltd., known simply as **Jaguar** is a British luxury car ...
http://en.wikipedia.org/wiki/Jaguar_Cars [Google, Wikipedia, Yahoo]
- [Jaguars, Jaguar Pictures, Jaguar Facts - National Geographic](#)
Learn all you wanted to know about **jaguars** with pictures, videos, photos, facts, and news from National Geographic.
<http://animals.nationalgeographic.com/animals/mammals/jaguar/> [Google]
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Get the facts on **jaguar**. **Jaguars** are listed as endangered under Endangered Species Act (ESA). Take action and help save endangered **jaguars**.
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- [Jaguar](#)
General information and facts from Big Cats Online.
<http://www.aqarman.dial.pipex.com/jaguar.htm> [Google]



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1 [Jaguar USA - Jaguar Cars](#)

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page   

<http://www.jaguar.com/> [Ask, Bing, Entireweb, Google, Yahoo]

The **jaguar** is a big cat, a feline in the Panthera genus, and is the only Panthera species found in the Americas. The **jaguar** is the third-largest feline ...

<http://en.wikipedia.org/wiki/Jaguar> [Bing, Google, Wikipedia, Yahoo]

encyclopedia

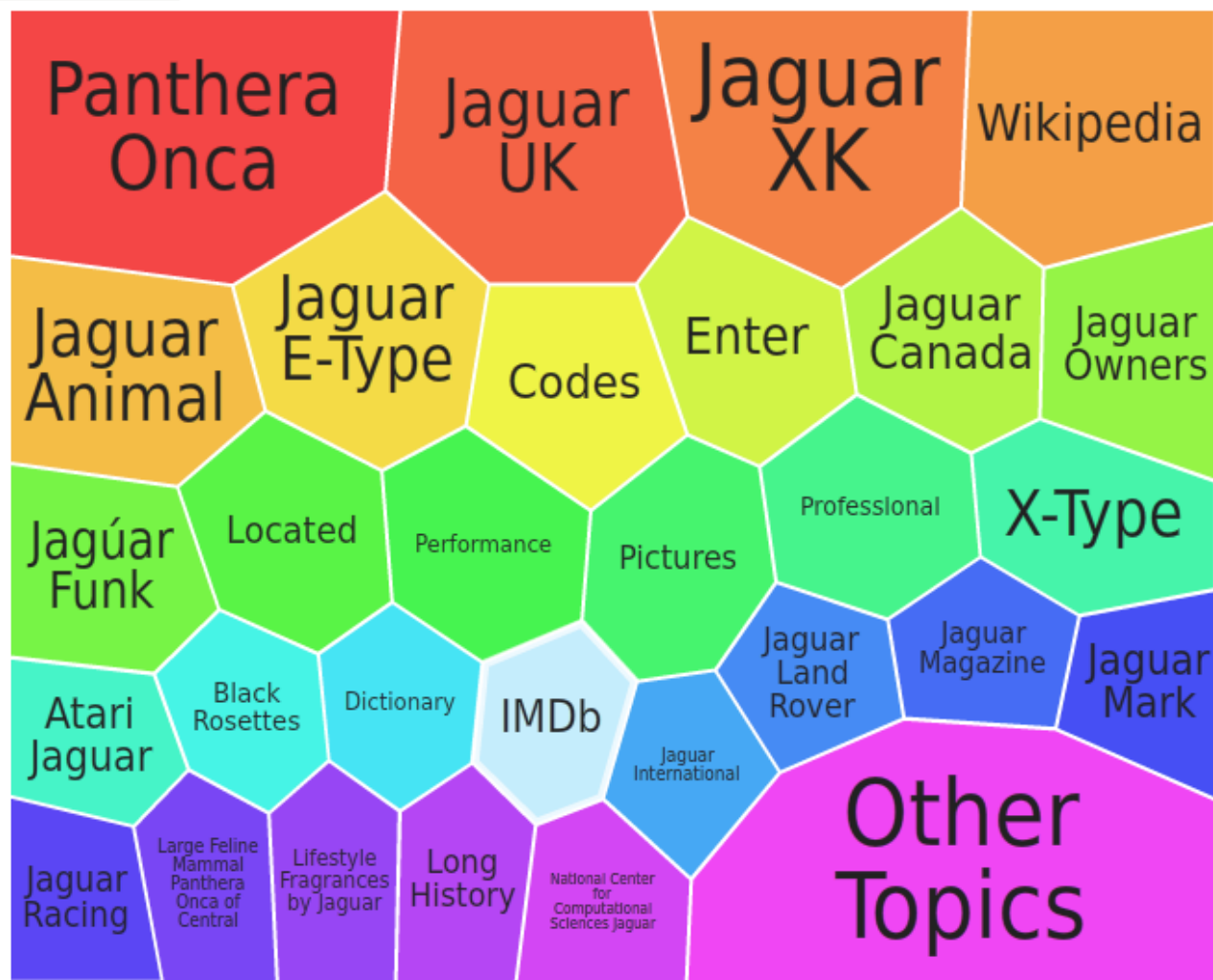
Jaguar Cars Ltd., known simply as **Jaguar** is a British luxury car ...

http://en.wikipedia.org/wiki/Jaguar_Cars [Google, Wikipedia, Yahoo]

Geographic

Learn all you wanted to know about **jaguars** with

v3.5.0 | build 76 | 2011-05-04 19:24:48 © 2002-2011 Stanislaw Osinski, Dawid W

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Cluster with 2 documents

69 [Jaguar \(1979\) - IMDb](#)

Bewertung: 6.8/10 - von 36 Nutzern ...

<http://www.imdb.com/title/tt0079361/> [Google]75 [Jaguar \(1967\) - IMDb](#)

Bewertung: 8.1/10 - von 68 Nutzern ...

<http://www.imdb.com/title/tt0286727/> [Google]

Query: jaguar -- Source: Web (96 results, 152 ms) -- Clusterer: Lingo

v3.5.0 | build 76 | 2011-05-04 19:24:48 © 2002-2011 Stanislaw Osinski, Dawid We

Design Guidelines for Search Interfaces

- Offer efficient informative feedback
- Balance user control with automated actions
- Reduce short-term memory load
- Provide shortcuts
- Reduce errors
- Recognise the importance of small details
- Recognise the importance of aesthetics in design

Provide Shortcuts

- Provide targeted hints on where to go next
 - Sitelinks, deep links

[Cell Phones, Smartphones & Mobile Phones from BlackBerry.com](#)

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Yahoo!

Google

wikipedia



Search

About 615,000,000 results (0.08 seconds)

[Advanced search](#)

► [Wikipedia](#)

Wikipedia, the free encyclopedia that anyone can edit.

[www.wikipedia.org/](#) - [Cached](#) - [Similar](#)


[Wikipedia, the free encyclopedia](#)

A free encyclopedia built collaboratively using wiki software. (Creative Commons Attribution-ShareAlike License).

[English - Deaths in 2011 - Encyclopedia - Biography](#)


[en.wikipedia.org/](#) - [Cached](#) - [Similar](#)


- For certain predictable and well-defined information need, the search engine can attempt to “guess” what the user wants from a terse query




Web Images Video Local Shopping News More ▾


time kathmandu Search


 QuickApps

 SafeSearch - On

5,290,000 results for **time kathmandu**:

 Show All


 TimeandDate.com

 Wikipedia

Time is 1:35 am (GMT+05:45) on Friday, May 6, 2011 - Kathmandu, Central, Nepal

[Current local time in Nepal – Kathmandu](#)
Find out current local **time** in **Kathmandu** – Nepal. Get **Kathmandu's** weather and area codes, **time** zone and DST. Explore **Kathmandu's** sunrise and sunset, moonrise and ...
www.timeanddate.com/worldclock/city.html?n=117 - [Cached](#)

[The World Clock - Time Zone difference from Nepal – Kathmandu](#)
Time zone difference or offset between the local current **time** in Nepal – **Kathmandu** and




time kathmandu Suche


Ungefähr 10.400.000 Ergebnisse (0,69 Sekunden) Google.com in English [Erweiterte Suche](#)


Tipp: [Suchen Sie nur nach Ergebnissen auf Deutsch](#). Sie können Ihre Sprache in den [Einstellungen](#) angeben.


01:36 Freitag (NPT) - Zeit in Kathmandu, Nepal


[Current local time in Nepal – Kathmandu](#) 🔍 - [[Diese Seite übersetzen](#)]
Find out current local **time** in **Kathmandu** – Nepal. Get **Kathmandu's** weather and area codes, **time** zone and DST. Explore **Kathmandu's** sunrise and sunset, ...
[www.timeanddate.com](#) > ... > [World Clock](#) - [Im Cache](#) - [Ähnliche Seiten](#)

 Alles

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Wien

Standort ändern

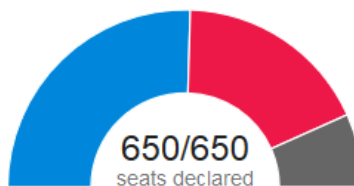
About 334,000,000 results (0.25 seconds)

UK election results

Last updated May 8, 2015 at 6:02 PM

NATIONAL

CONSTITUENCY



Party & leader	Seats
<div><div></div><div>Conservative Party</div><div>David Cameron</div></div>	<div>331</div> <div>51%</div>
<div><div></div><div>Labour Party</div><div>Ed Miliband</div></div>	<div>232</div> <div>36%</div>
<div><div></div><div>Other parties</div></div>	

Sources: Press Association, Democracy Club, TheyWorkForYou, Dods and others. [Learn more](#)[More parties and leaders](#)

In the news



Election results: Tories win majority as Labour is humiliated by the SNP and Liberal Democrats capitulate - latest ...

[Telegraph.co.uk](#) - 10 mins ago

is humiliated by the SNP and Liberal Democrats capitulate -

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Reduce Errors

- Spelling corrections already discussed
- Avoid empty result sets
 - In search, spelling correction and term expansion can help
 - In navigation, faceted search with query previews can be informative here
- Address the vocabulary problem
 - Different people express similar concepts in different ways – the searcher may use different terms to those in the document
 - Term expansion can be effective here
 - But also terminology for labelling interface elements must be chosen carefully

Did you mean:

gll gym gloomy glaucoma gla gym

No results containing all your search terms were found.

Your search - **glaigomy** - did not match any documents.

Suggestions:

- Make sure that all words are spelled correctly.
- Try different keywords.
- Try more general keywords.

Reset Defaults



Search



Useful Links

[IUCN Red List Categories](#)

[Threat Types Authority File](#)

[Organization of Information](#)

[Information Sources and Quality](#)

[Habitat Types Authority File](#)

[Summary Statistics](#)

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Recognise the Importance of Small Details

- Studies suggest a relationship between query length and the width of the entry form
 - Small forms discourage long queries
 - Wide forms encourage longer queries
- When Google first introduced spelling suggestions, the suggestion was at the top of the page. Users often did not notice it.
- Search bars are currently often hidden behind an icon



What's the ideal search box width?

Search



<http://www.smashingmagazine.com/2009/09/24/10-useful-usability-findings-and-guidelines/>

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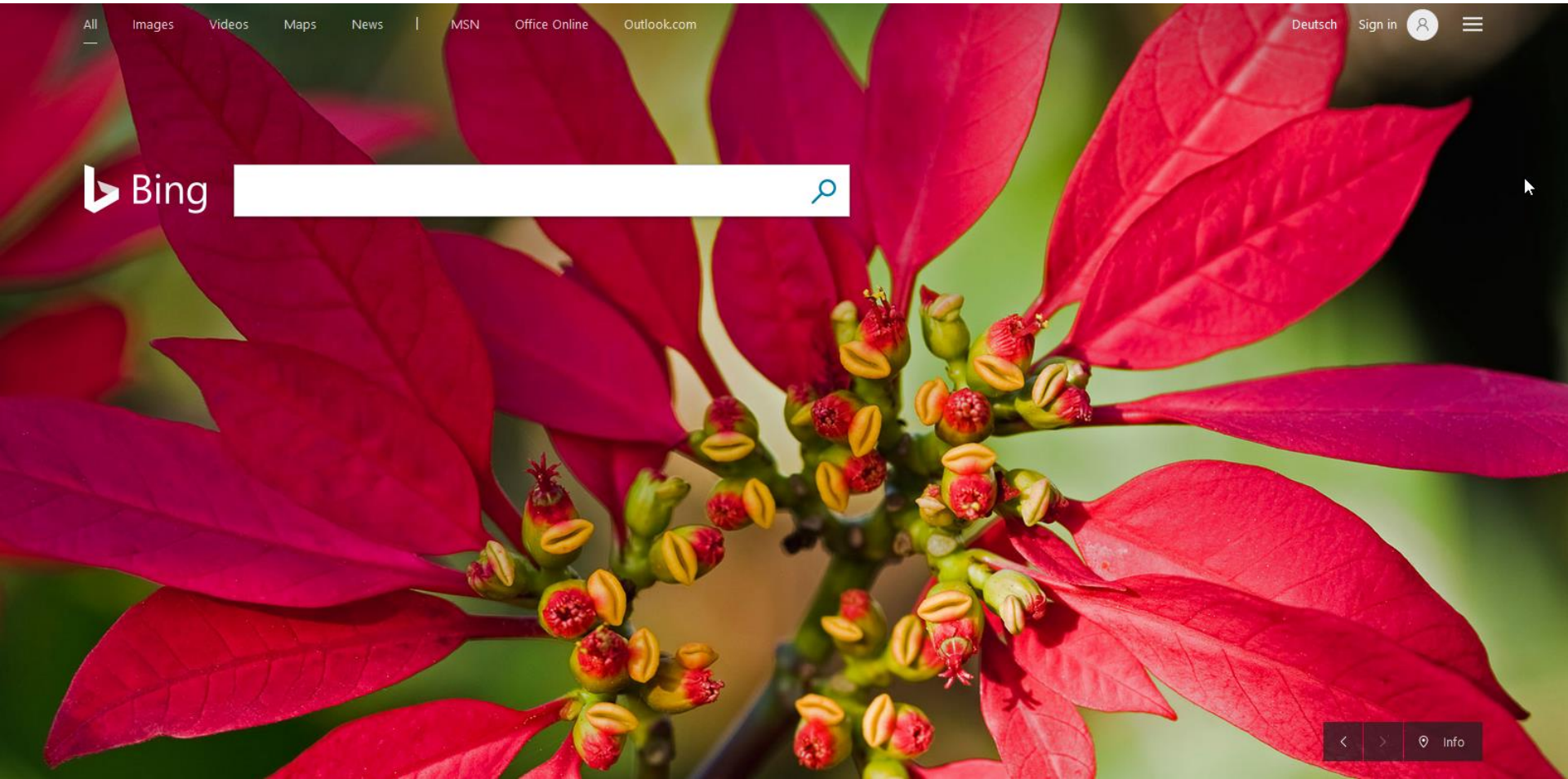
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Recognise the Importance of Aesthetics in Design

- Balance the choices of
 - Layout
 - Placement
 - Amount of blank space (white space)
 - Colour
 - Contrasts among fonts' style, weight and size
- Use graphic design principles from HCI

- Results of studies
 - Task time for the worst of 16 layouts was twice that of the best (Parush et al., 1998)
 - Searchers persevere longer in a search task on Web sites whose design appeals to them (Nakarada-Kordic and Lobb, 2005)
 - More aesthetic designs were perceived as more useful even when they were slightly less useful than a comparable, less attractive design (Ben-Bassat et al., 2006)





Google Search

I'm Feeling Lucky

Google offered in: [Deutsch](#)

Google

[Advanced search](#)
[Language tools](#)

Google Search

I'm Feeling Lucky

[Advertising Programs](#)

[Business Solutions](#)

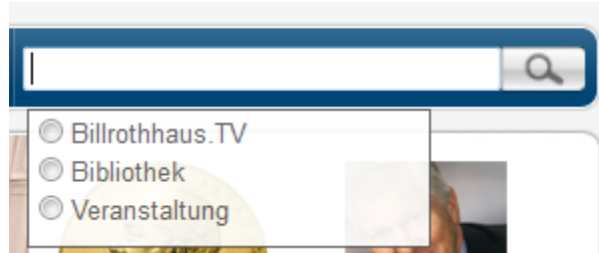
[About Google](#)

[Go to Google Österreich](#)

© 2011 - [Privacy](#)

[Remove background image](#)

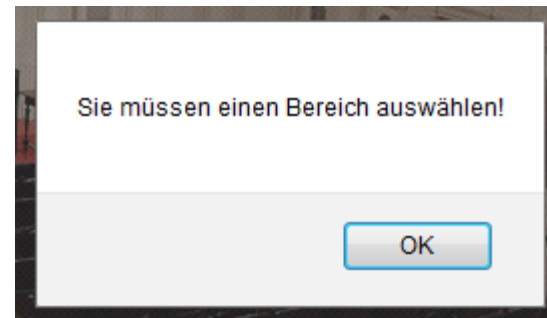
A Bad Search Interface



On mouseover



Type in a query and
press enter



!!!!!!

Exercise

- Work in groups of two
- Each group gets assigned one of the following websites:
 - <https://www.chefkoch.de/>
 - <http://www.motors.co.uk/>
 - <http://www.zoopla.co.uk/>
 - <http://emm.newsexplorer.eu/>
 - <https://www.ecoresearch.net/climate/>
 - <https://www.tuwien.at/>
 - <https://cordis.europa.eu/>
 - <https://www.weinco.at>
- Evaluate the design of the search engine in terms of the guidelines (20 minutes)
 - What is done well?
 - What is done badly?
 - How could this be improved?
- Each group summarises the main points (3 minutes each)

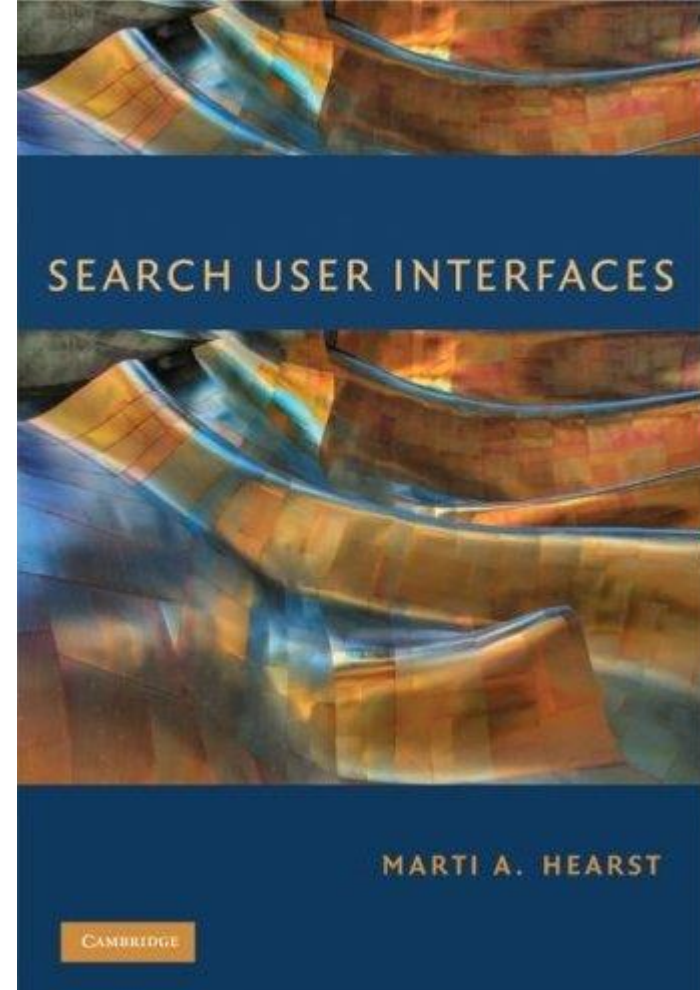
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Summary

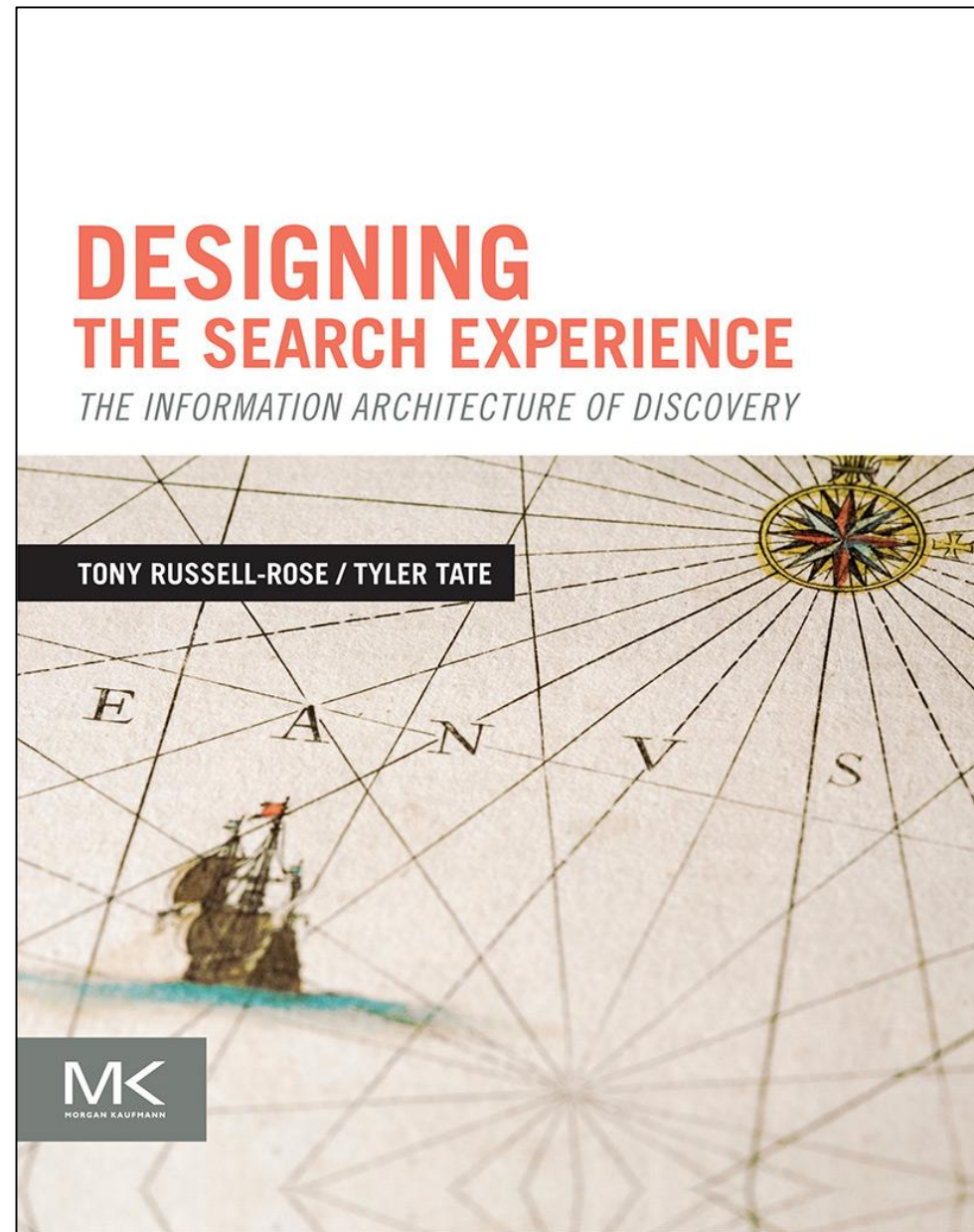
- Guidelines to designing good search interfaces
- Successful design ideas used in search interfaces today

The slides mostly are based on:
Marti A. Hearst, Search User
Interfaces, Cambridge
University Press. 2008.



Full book online at:
<http://searchuserinterfaces.com/>

Tony Russell-Rose and
Tyler Tate, Designing
the Search Experience,
Morgan Kaufmann,
2002



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