

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/221613857>

Use of semantics in real life applications

Conference Paper · January 2010

DOI: 10.1145/1871437.1871441 · Source: DBLP

CITATION

1

READS

786

1 author:



Gregory Grefenstette

Florida Institute for Human and Machine Cognition

157 PUBLICATIONS 4,019 CITATIONS

[SEE PROFILE](#)

Some of the authors of this publication are also working on these related projects:



Ontology Development from NLP [View project](#)

Gregory Grefenstette

Chief Science Officer
Exalead

Use of Semantics in Real Life Applications

29 October 2010

CIKM 2010

*19th ACM International Conference on
Information and Knowledge Management*

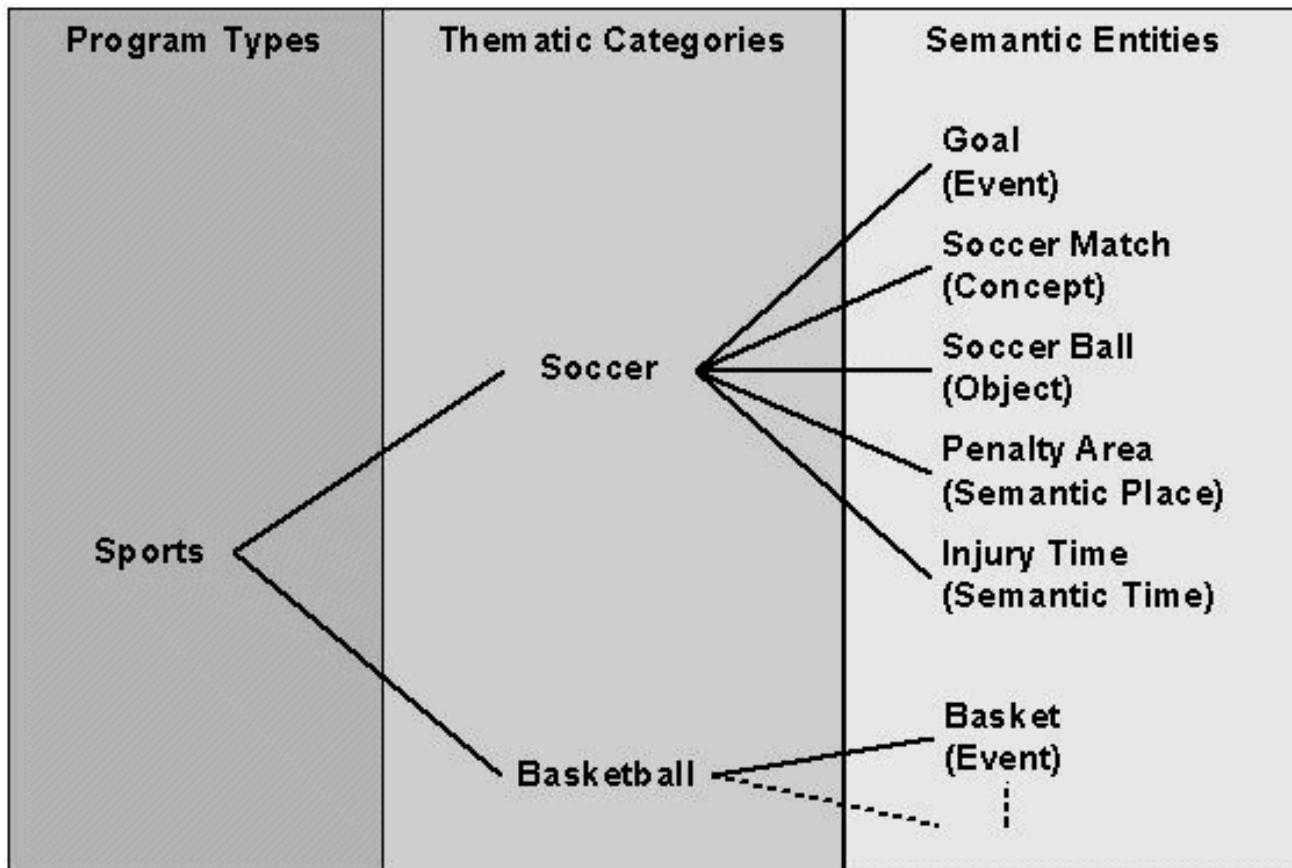
Toronto, Canada

October 26 - 30, 2010

What is semantics

- **Semantics is many things to many people**
- **My definition of semantics (general public)**
- **Semantics in Search Engines**
- **Successful semantics**
 - Entity extraction
 - Topic segmentation
 - Affect analysis, domain analysis
- **Semantics in Products**
 - Voxalead News
 - Urbanizer
- **Future**
 - LOD

Semantic Entities



Unified Access to Heterogeneous Audiovisual Archives

Y. Avrithis, G. Stamou, M. Wallace *et al.*

[10.3217/jucs-009-06-0510](https://doi.org/10.3217/jucs-009-06-0510)

Semantic store

The Multidimensional Learning Model:
A Novel Cognitive Psychology-Based Model for Computer Assisted Instruction in Order to Improve Learning in Medical Students

Tarek M. Abdelhamid,
M.D., Formerly from
the Medical Education
Development Office,
The University of
Auckland School of
Medicine and Health
Science

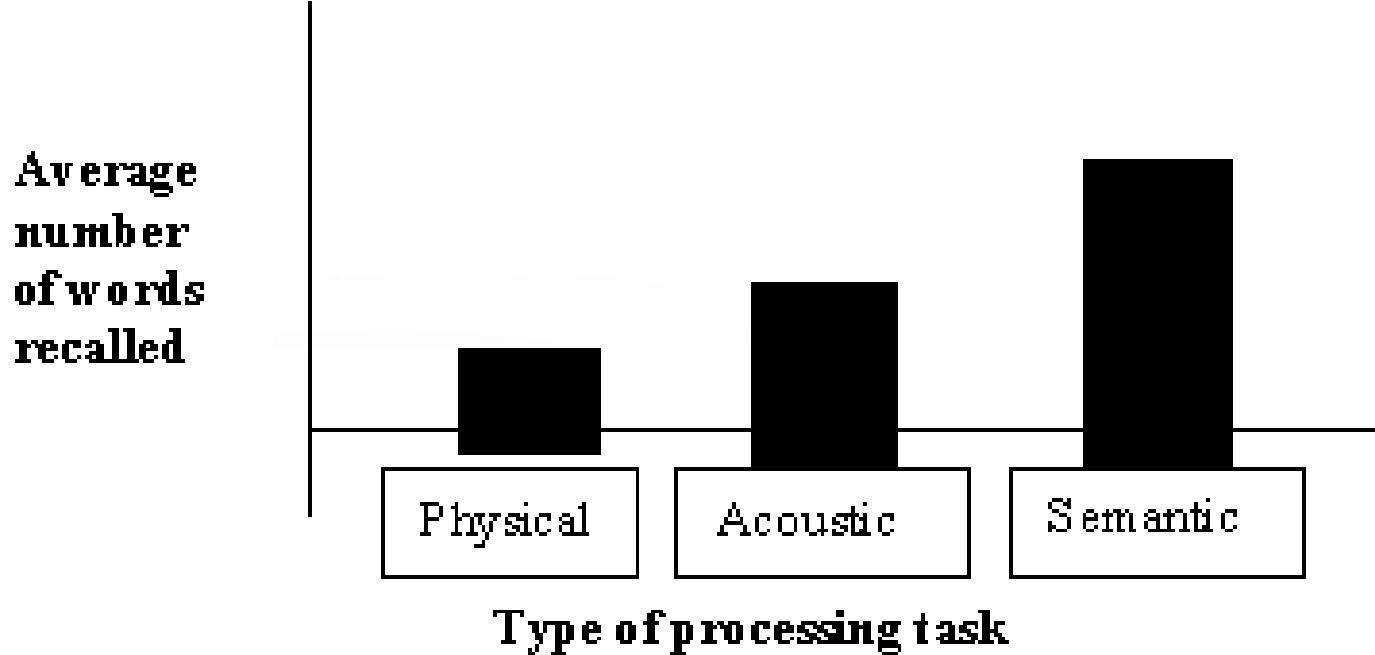
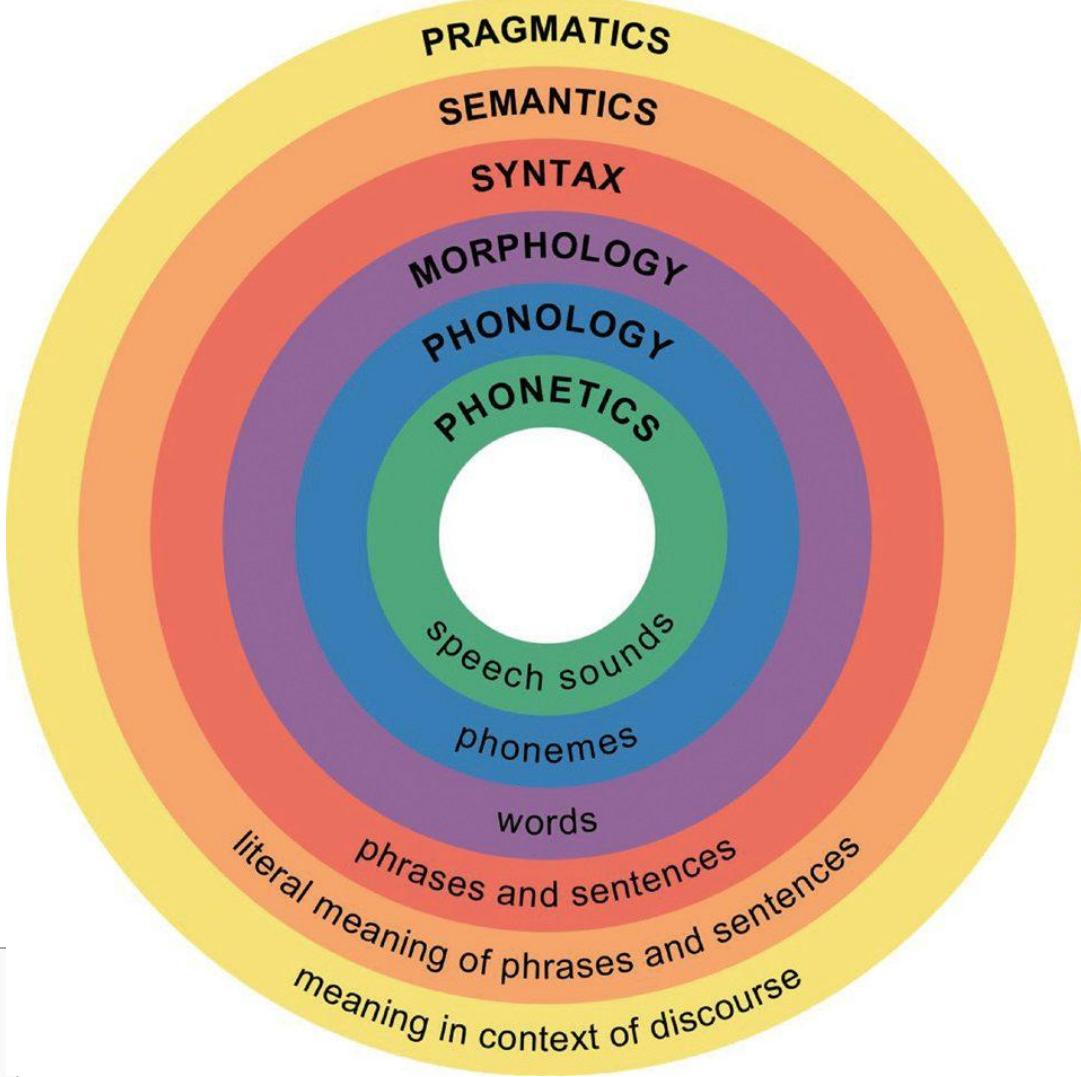


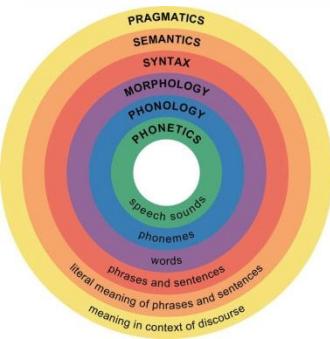
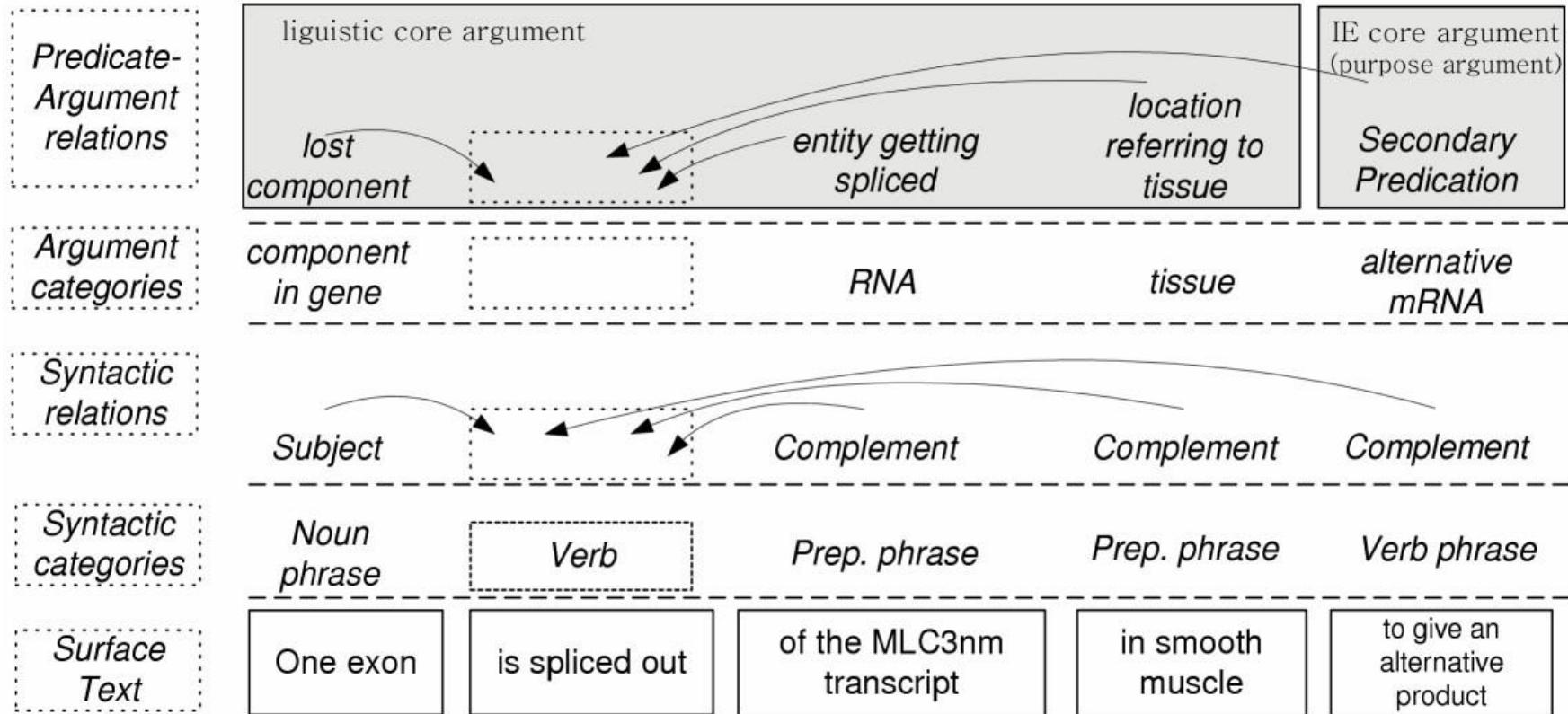
Figure 3 According to the level of processing approach the semantic (meaningful) coding of information provides the deepest form of processing.

Major levels of linguistic structure



Source	National Visualization and Analytics Center: Illuminating the Path: The Research and Development Agenda for Visual Analytics p.110., 2005
Author	James J. Thomas and Kristin A. Cook (Ed.)

Syntactic and semantic level description of the surface text



Semantic Level



Announcing the Release of the August 2009 CTP for the Open XML SDK



BrianJones

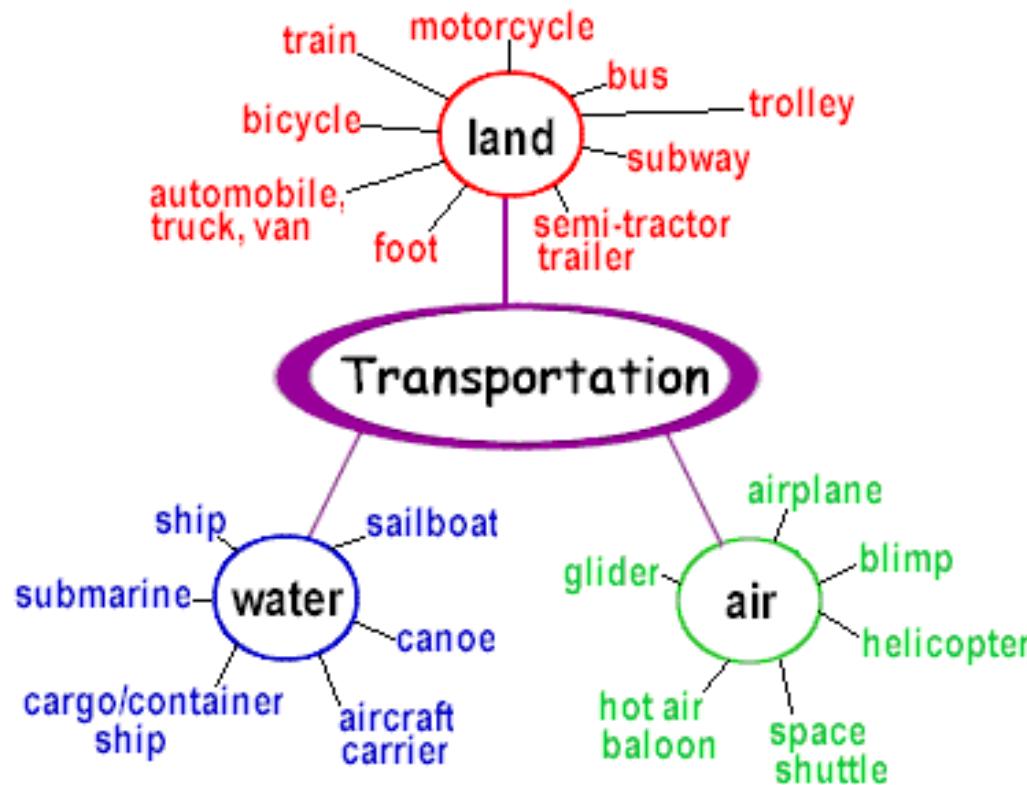
27 Aug 2009 9:21 AM



exalead®



Semantic Map



LearningTip #50: Strategies Help Reluctant Silent Readers Read to Learn

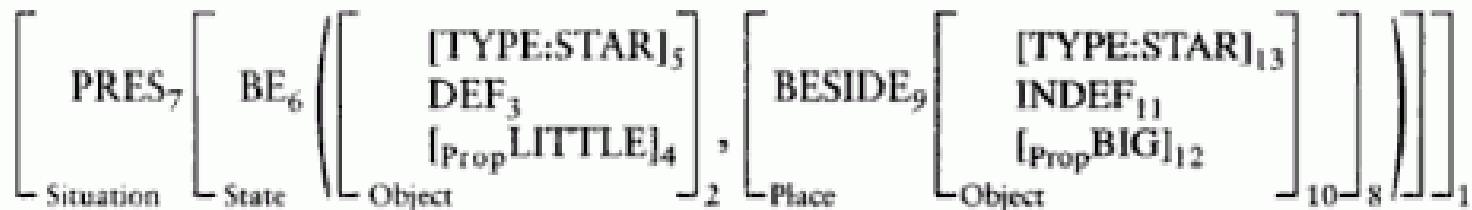
By Joyce Melton Pagés, Ed.D.
Educator, President of KidBibs

Semantic Structure

Foundations of language: brain, meaning, grammar, evolution

By Ray Jackendoff

Semantic/conceptual structure



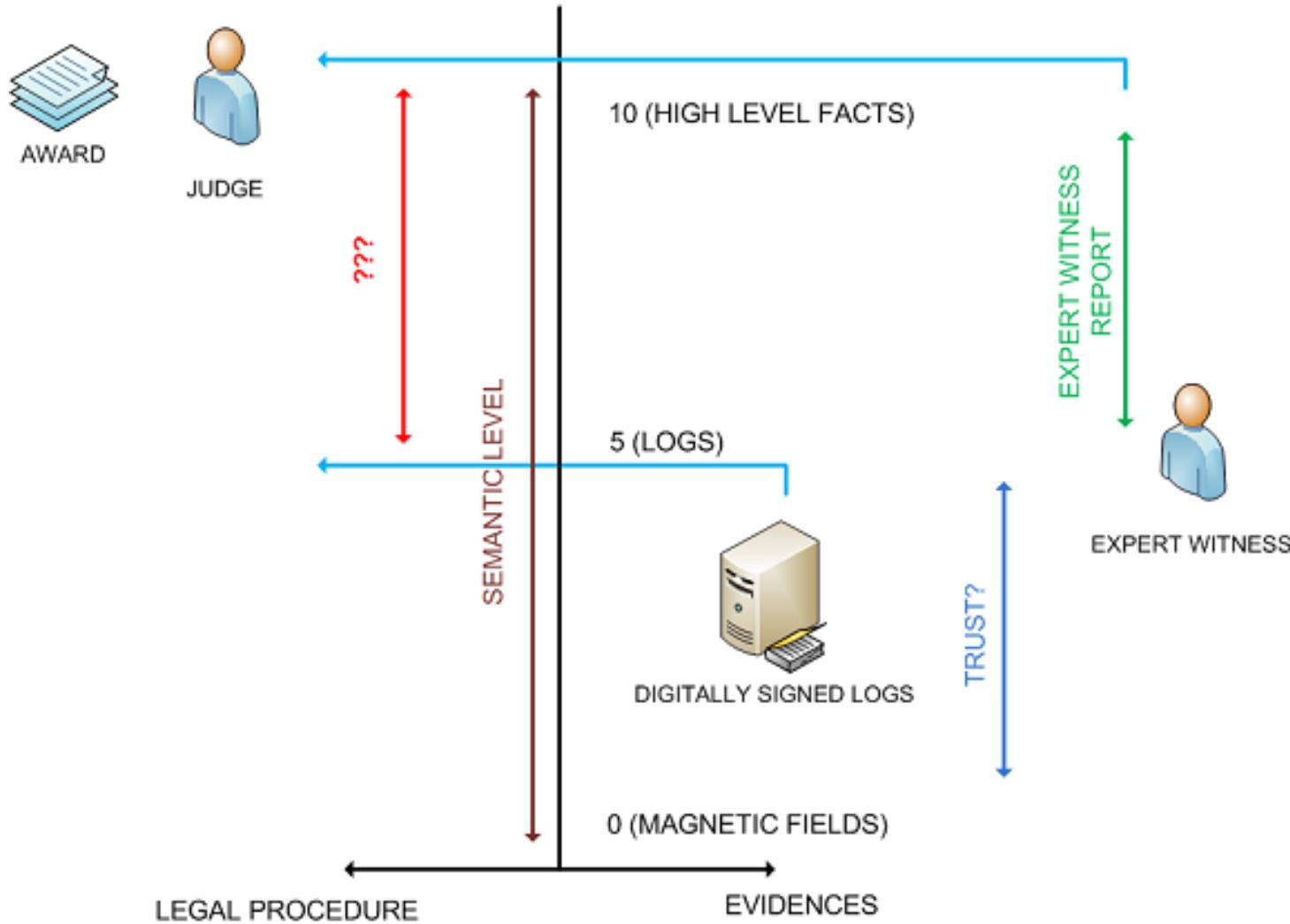
Spatial structure



Fig. 1.1. Structure of *The little star's beside a big star*

<http://www.cse.iitk.ac.in/users/amit/books/jackendoff-2002-foundations-of-language.html/>

Semantic Levels and Computer Evidence



Semantic Gap

Original Image



Annotated Image

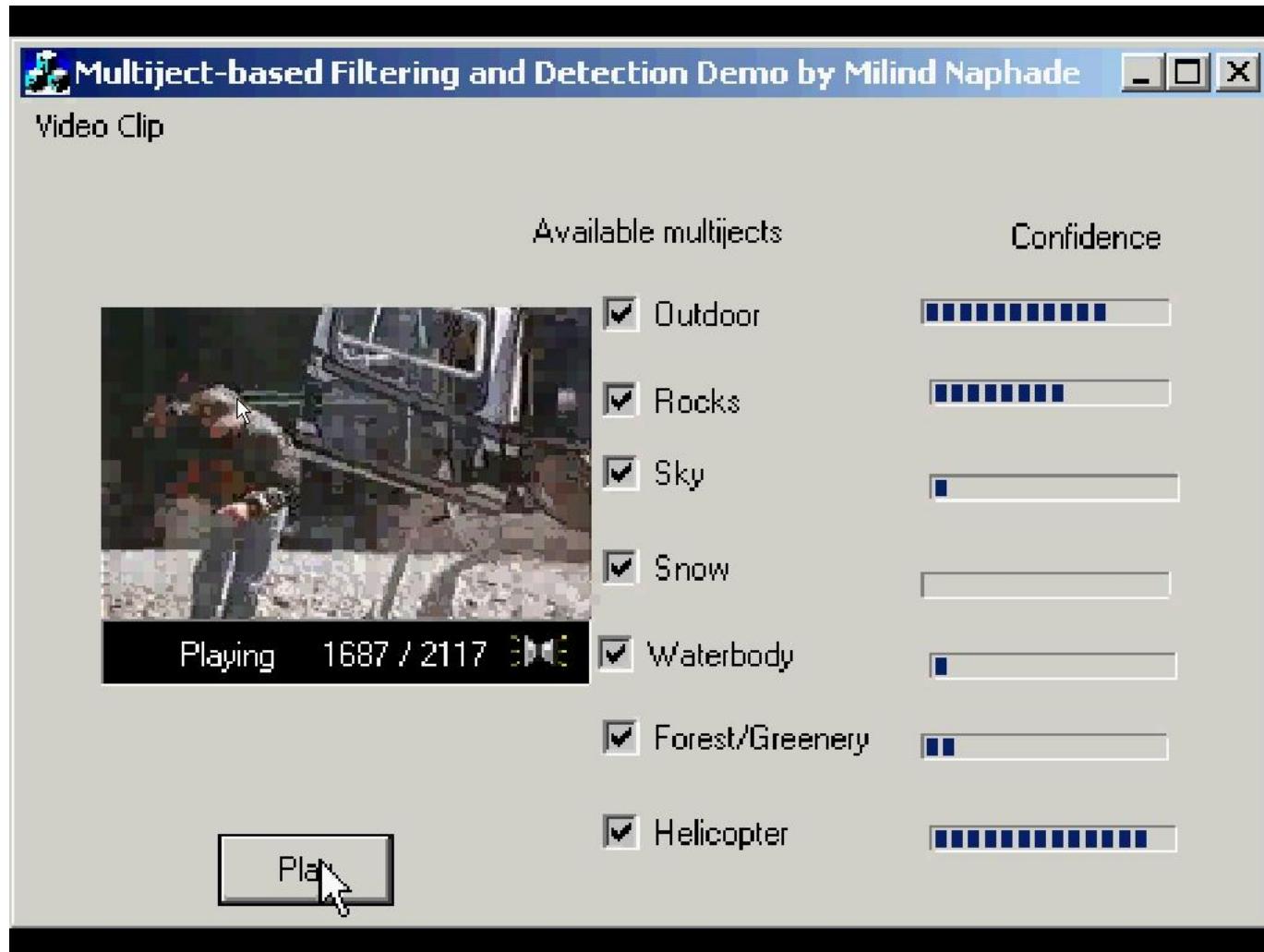


<http://mklab.iti.gr/svmcf>

Region Annotation

Natural-Person: 0.181767	Waterfall: 0.182091
Sailing-Boat: 0.208791	Wave: 0.158562
Sand: 0.151650	Dried-Plant: 0.179367
Building: 0.178949	Dried-Plant-Snowed: 0.207337
Pavement: 0.222864	Foliage: 0.184398
Road: 0.288616	Grass: 0.233446
Body-Of-Water: 0.237975	Tree: 0.165337
Cliff: 0.156257	Trunk: 0.179618
Cloud: 0.177770	Snow: 0.243884
Mountain: 0.187080	Sunset: 0.180170
Sea: 0.150582	Car: 0.184918
Sky: 0.181040	Ground: 0.220350
Stone: 0.188128	Lamp-Post: 0.178783
	Statue: 0.181745

Semantic Filtering



M. Naphade, I. Kozintsev and T. Huang, "A Factor Graph Framework for Semantic Video Indexing", accepted for publication in IEEE Transactions on Circuits and Systems for Video Technology
<http://domino.research.ibm.com>

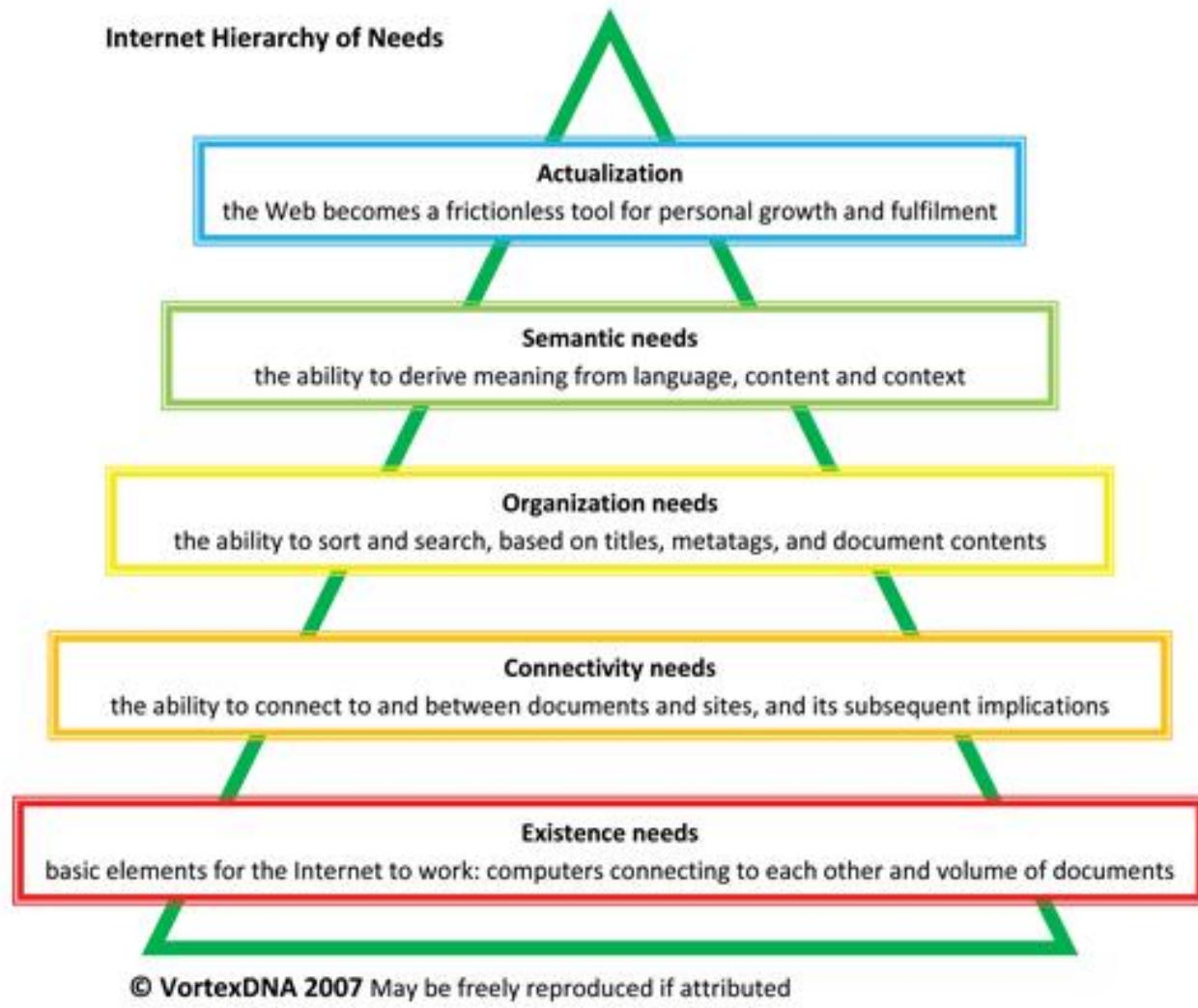
Semantic Vocabulary



diving	82.0	1.0	1.0	2.0	2.0	2.0	0.0	10.0
g_swinging	0.0	86.0	0.0	2.0	0.0	9.0	0.0	3.0
h_riding	0.0	2.0	78.0	1.0	5.0	5.0	5.0	4.0
s_juggling	1.0	6.0	2.0	60.0	7.0	10.0	11.0	3.0
swing	2.0	1.0	2.0	0.0	67.0	1.0	15.0	12.0
t_swing	3.3	8.0	1.3	0.7	0.7	76.0	1.3	8.7
t_jumping	0.0	0.0	3.0	4.0	13.0	0.0	80.0	0.0
v_spiking	1.0	5.0	1.0	1.0	2.0	9.9	0.0	80.2
	di	gs	hr	sj	sw	ts	tj	vs

Jingen Liu, Yang Yang and Mubarak Shah, , *Learning Semantic Visual Vocabularies Using Diffusion Distance*
IEEE International Conference on Computer Vision and Pattern Recognition (CVPR), 2009.

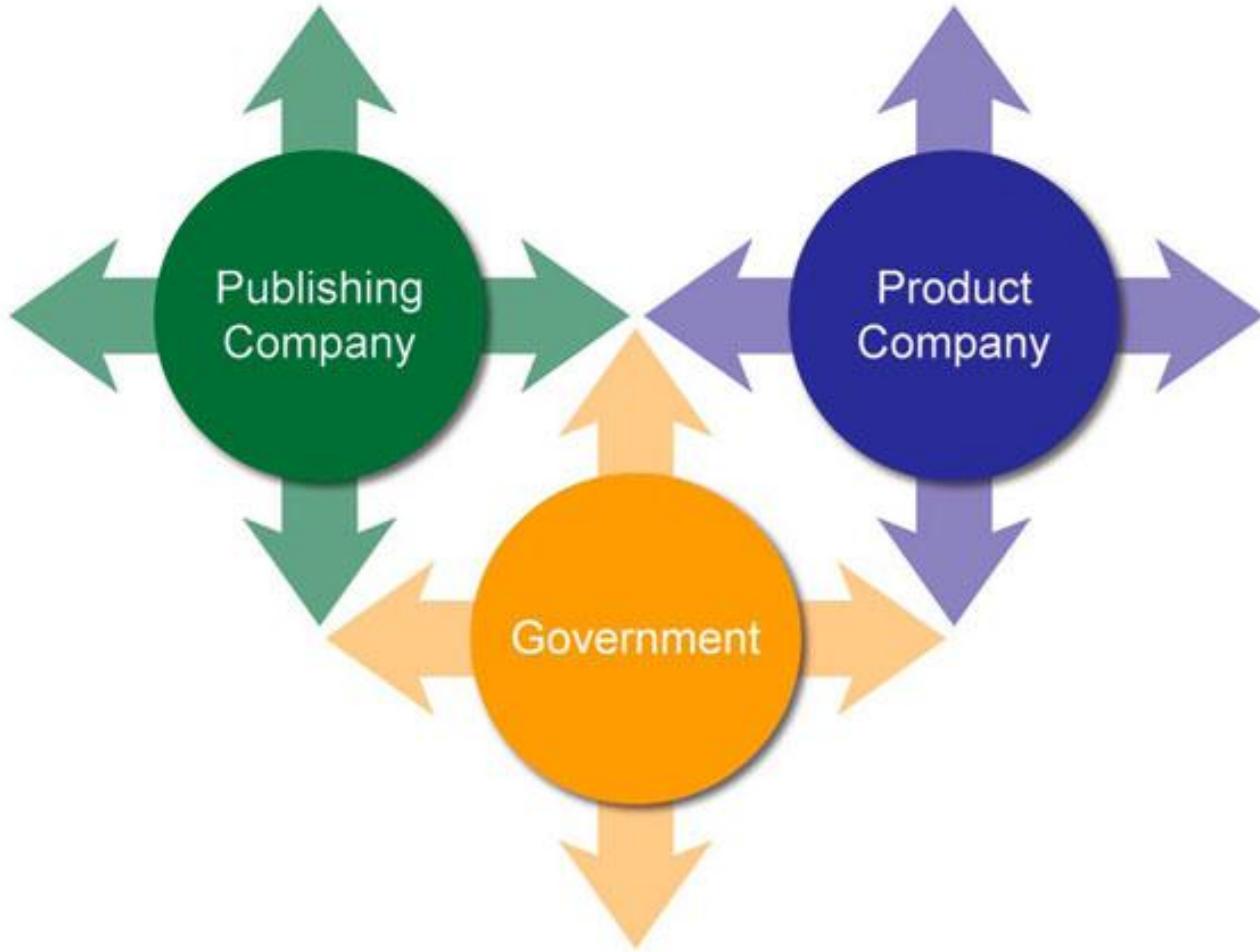
Semantic Needs



Unified Semantic Ecosystem



Online community for the Darwin Information Typing Architecture OASIS Standard

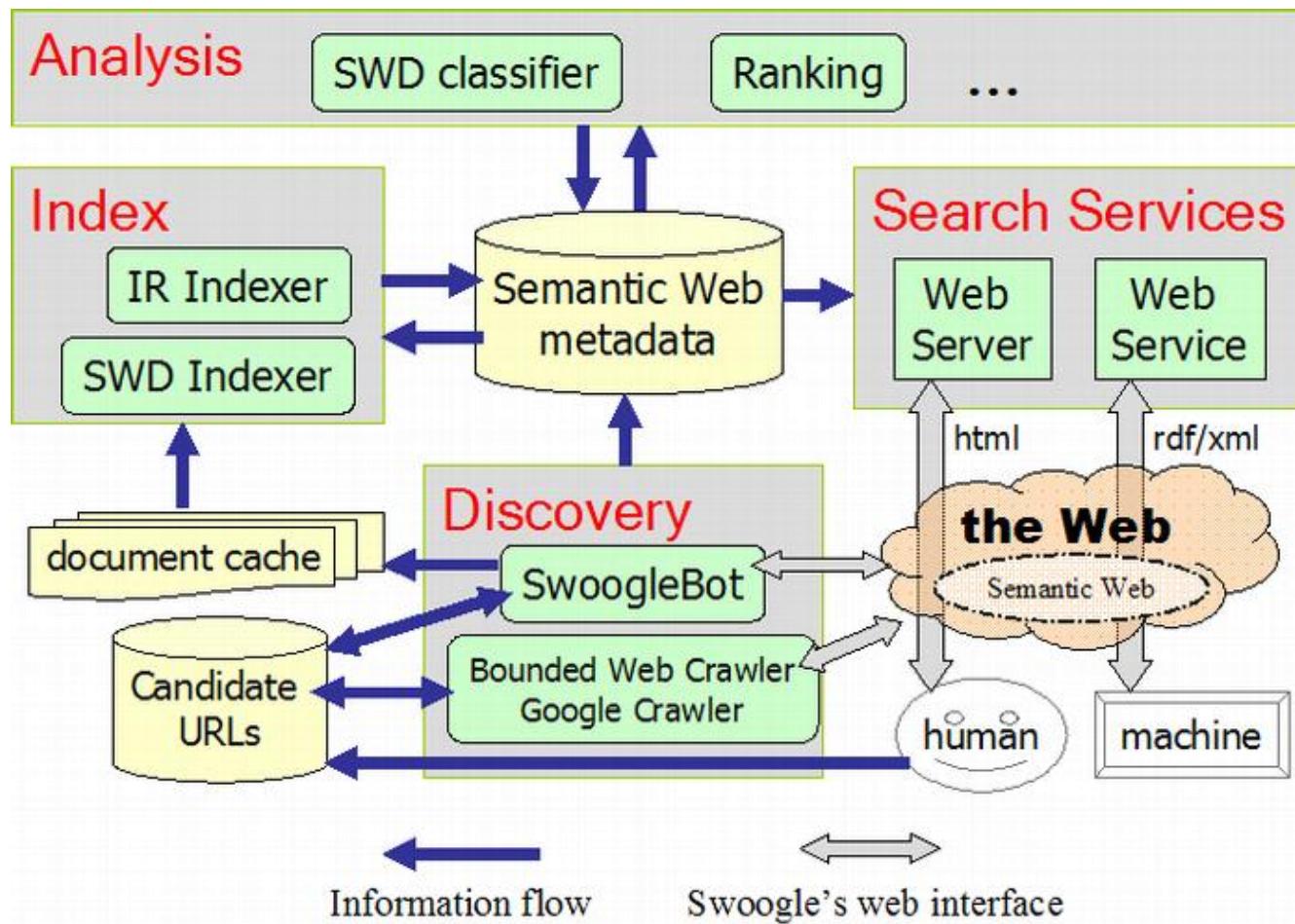


<http://dita.xml.org/wiki/level-six-universal-semantic-ecosystem>

10/29/2010



Swoogle Semantic Web indexer



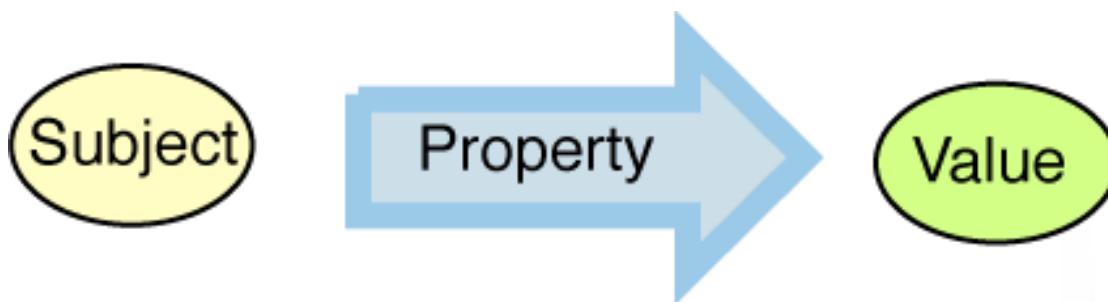
Semantic Web

The element of the Semantic Web

Can be encoded in XML

Simplicity and mathematical consistency

This is called Resource Description Framework (RDF)



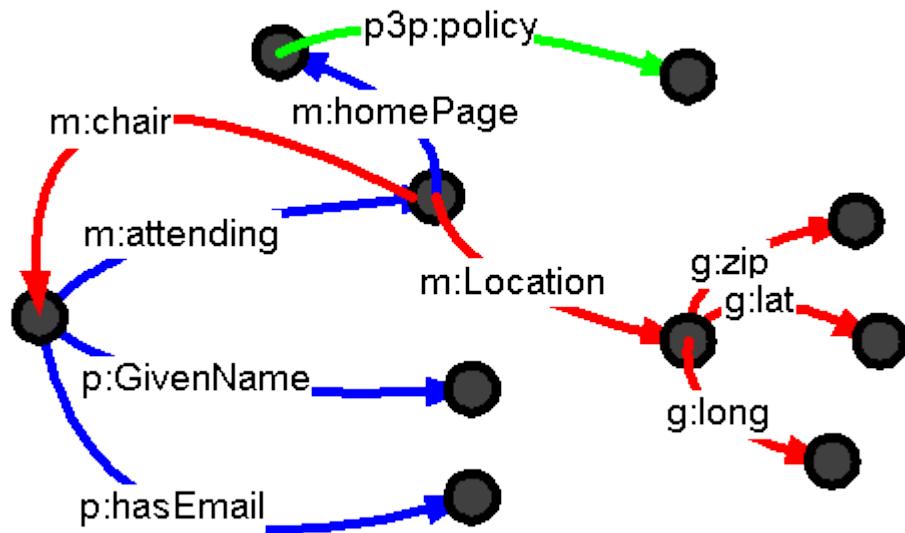
<http://www.w3.org/2007/Talks/1211-whit-tbl/>

Tim Berners-Lee

MIT Computer Science & Artificial Intelligence Laboratory (CSAIL)
Southampton University School of Electronics and Computer Science
World Wide Web Consortium

Semantic Web

- RDF data...



Subject and object node using same URIs

<http://www.w3.org/2007/Talks/1211-whit-tbl/>

Tim Berners-Lee

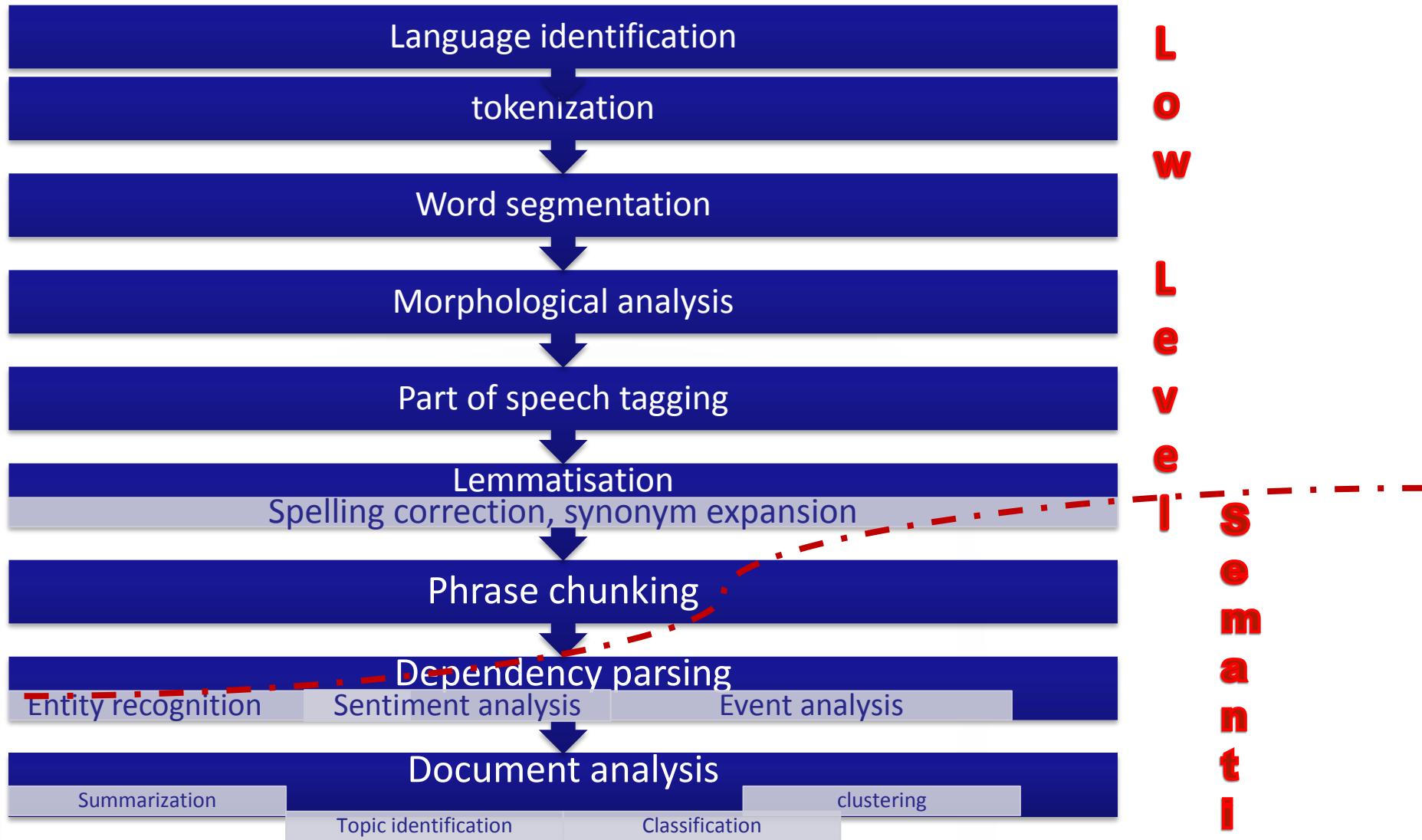
MIT Computer Science & Artificial Intelligence Laboratory (CSAIL)
Southampton University School of Electronics and Computer Science
World Wide Web Consortium

● Semantics

- Upper level classes
- Relations between concepts
- Predicates extracted from text
- Restrictions on content
- Labels on visual data
- « meaning »
- Shared master data space
- RDF triples

MY EXPERIENCE WITH SEMANTICS

My thinking in 2007



In 2008, I joined Exalead



Home > Web results 1-10 of 1,315,510 for **hubble**, Page 1 - Next page

Ads by Google

Hubble

Percer les mystères de l'espace en nous retrouvant sur Enjoyspace
www.enjoyspace.com



HubbleSite -- Out of the ordinary...out of this world.

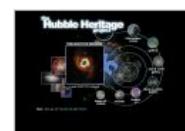
Search all of HubbleSite HOME NEWSCENTER GALLERY HUBBLE DISCOVERIES HUBBLE [...] NEWSCENTER **hubble** news All the **Hubble** news and pictures, from the latest discoveries to the earliest observations.

hubblesite.org - Cached - Bookmark



Main Hubble Page

For instructions, click here + NASA HOME + Contact **Hubble** Program Named after the trailblazing astronomer Edwin P. **Hubble** (1889-1953), the **Hubble** Space Telescope (HST) is a large, space-...
hubble.nasa.gov - Cached - Bookmark



The Hubble Heritage Project Website

Last WFPC2 Image New: Join us on Facebook and Flickr!
heritage.stsci.edu - Cached - Bookmark



Esa Science & Technology: **Hubble**

During its lifetime **Hubble** has become one of the most important science projects ever. NEWS **Hubble** captures rare Jupiter collision [heic0909] Commissioning **Hubble** - preparing for science ...
hubble.esa.int - Cached - Bookmark



The European Homepage For The Nasa/esa **Hubble** Space Telescope

[...] videos goodies **hubble** shop about **hubble** science kids & teachers press projects jobs **Hubble** Picture of the Day **Hubble** Video of the Day NEWS 24-Jul-2009 heic0909: News: **Hubble** ...
www.spacetelescope.org - Cached - Bookmark

Login or create an account | Preferences

Web Images Videos Wikipedia More ▾

hubble

Search

Advanced Search

Related Searches: Hubble Space Telescope, Telescope Spatial Hubble, Hubble Telescope

Site type:

- » Blog
- » Forum

Multimedia:

- » Audio
- » Video

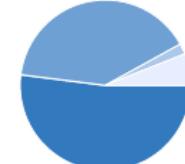
Filetype:

- » pdf

Related terms:

- » Advanced Camera for...
- » Planetary Camera
- » Space Telescope Sci...
- » SPACE SHUTTLE
- » Telescope Images
- » Navette Spatiale

Languages :



- English (52%)
- French (40%)
- Spanish (2%)
- Others (6%)

Countries :



- United States (43%)
- Other countries (56%)

16 milliards de pages web
2 milliards d'images
50 millions de vidéos

www.exalead.com/search

ead®

DS
DASSAULT SYSTEMES

Searching for known items with facets

ASIDE ABOUT ENTERPRISE SEARCH



Rechercher :

Mots clés ou référence catalogue (ex : 1234567)

OK

AFFINER
VOTRE
RECHERCHE

300 articles trouvés pour votre recherche : T SHIRT

Page 1/7 [Suivant](#)Trier les articles par [du + cher au - cher](#)**Par prix**

- De 10 à 20 (287)
- De 20 à 30 (149)
- De 0 à 10 (144)
- De 30 à 40 (62)
- De 40 à 50 (20)

[Plus de prix](#)**Par coloris**

- noir (247)
- blanc (148)

[Plus de coloris](#)**Par taille**

- 38 (258)
- 42 (254)

[Plus de tailles](#)**Par marque**

- Puma (36)
- Actuamode (35)
- Adidas performance (33)
- Votre Mode (31)
- 3 Suisses Collection
- Femme (30)

[Plus de marques](#)**Par univers**

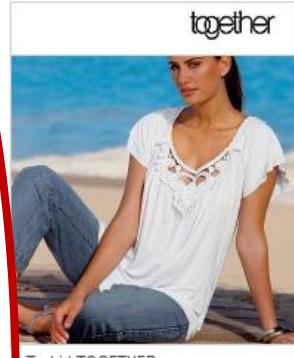
- Femme (241)
- Enfant (148)
- Homme (128)
- Sport (98)
- Lingerie Beauté (22)

[Plus d'univers](#)**Par boutique**

- Bonnes affaires (158)
- Shopping par produit (147)
- Bonnes Affaires (85)
- Marques (32)
- Les nouveautés du sport (30)

[Plus de boutiques](#)**Par rayon**

- Bonnes affaires (158)
- Shopping par produit (147)

[Plus de rayons](#)

T-shirt TOGETHER

depuis 54.90 €



T-shirt LEVI'S®

depuis 50.00 €



T-shirt manches longues LEVI'S®

depuis 50.00 €



T-shirt manches longues PEPE JEANS

depuis 49.90 €



T-shirt TOGETHER

depuis 49.90 €



T-shirt homme LEVI'S®

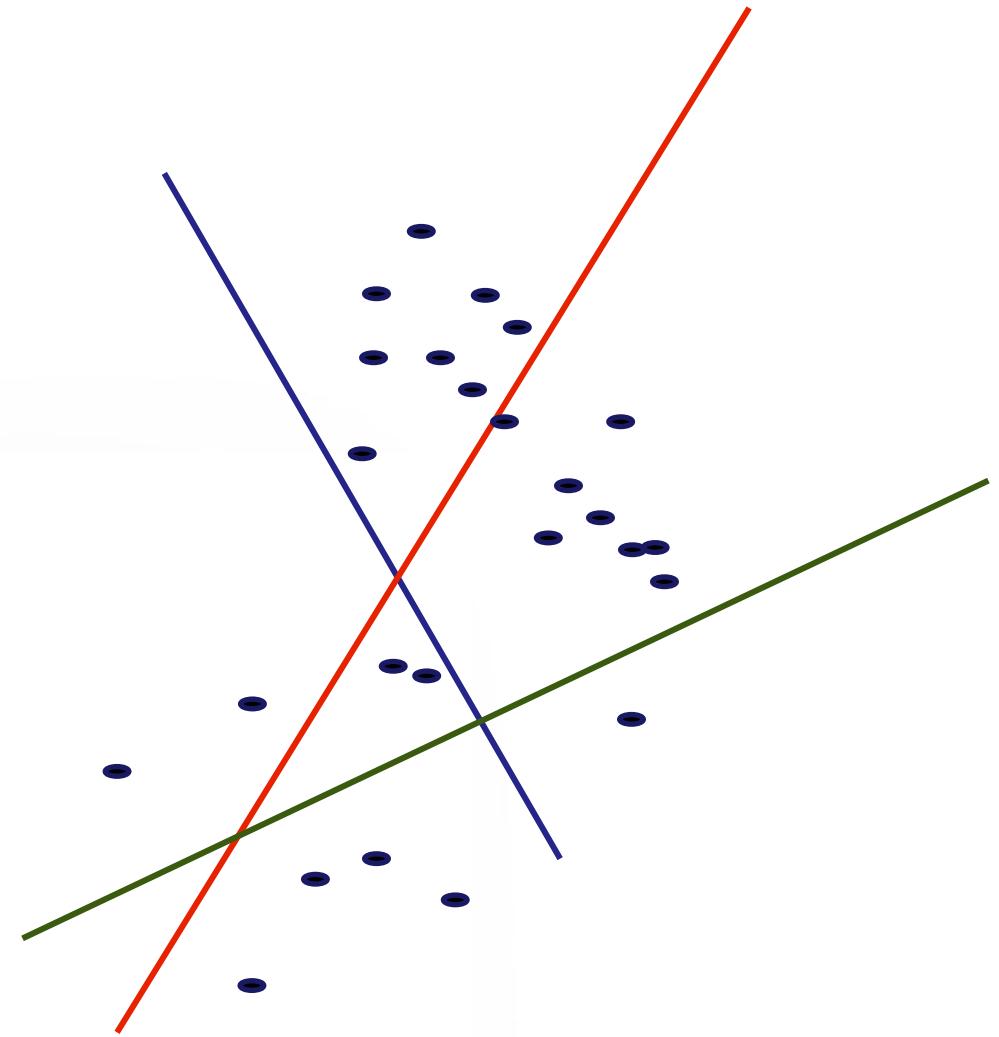
depuis 45.00 €



Semantic Dimensions

Facets

*Hunting Gathering
Shopping*



END OF ASIDE

BACK TO CLIENTS DESIRE FOR SEMANTICS

I learned that this is what *Clients* think

Anything added to but not in the original text is semantics

Anything fancier than indexing original strings

Anything that has "language"

Semantics is three things to the ordinary person

Is this an example of that?

Are these two things the same?

What is the relation between these two things?

Semantics is three things to the ordinary person

Is this an example of that?

Language identification, entity extraction, word sense disambiguation,
affect analysis

Are these two things the same?

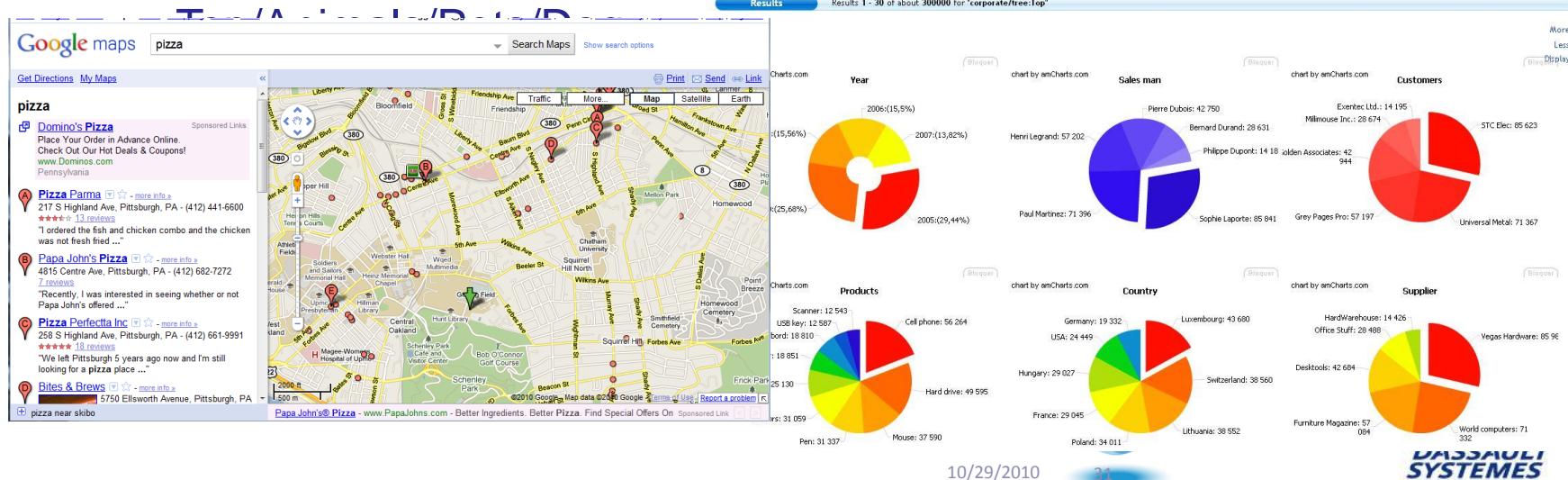
Tokenization, spelling correction, morphological analysis,
summarization, synonym expansion, paraphrase, anaphor

What is the relation between these two things?

Parsing, event extraction, relation extraction, classification, clustering

Semantics in a Search Engine

- Text fields
 - « ... the certification test is done »
- Numerical fields
 - 3.14159265
- Date
 - 16/11/1957
- GPS coordinates, real world
 - 48.451065619, 1.4392089
- Categories



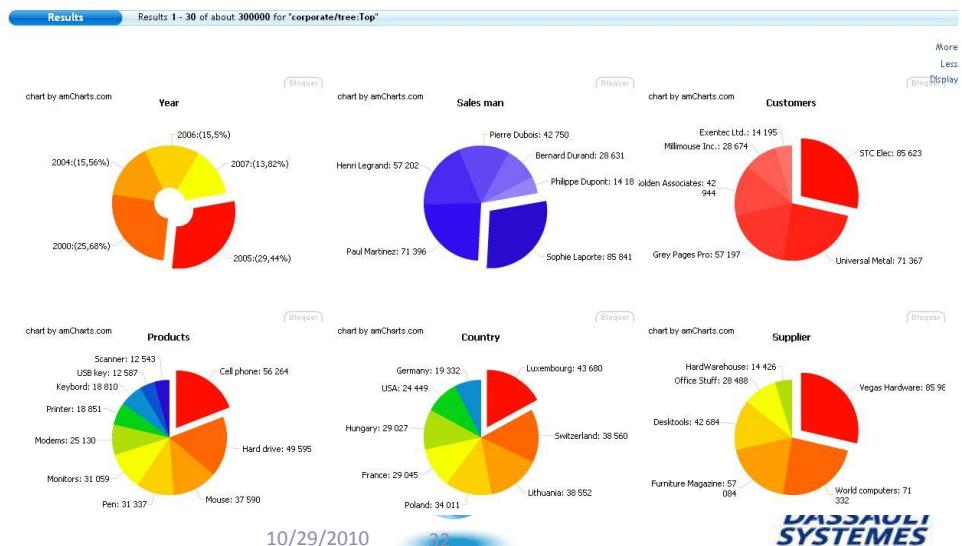
Exalead Fields capture most types, documents capture rows

● Exalead Field types

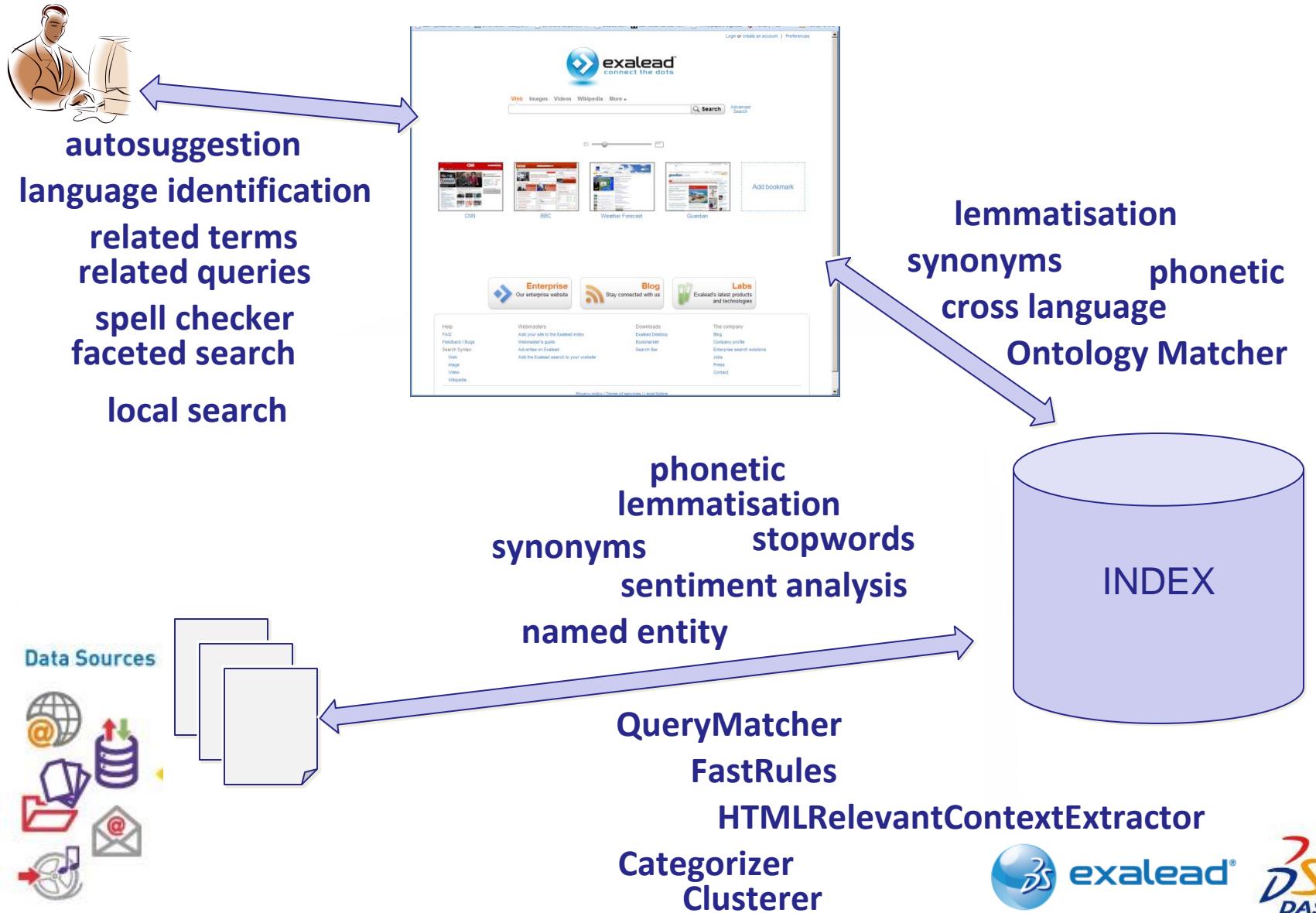
- Text
- Dates
- Numbers
- Categories

● Exalead Documents

- Each doc an entity, database rows, or
- Each doc a text, with entities added in fields



Semantics Processes in a Search Engine



AutoSuggestion Example



exalead
connect the dots

Web Images Videos Wikipedia More ▾

moza

Search Advanced Search

- moza
- mozart
- mozambique
- mozarts
- mozart effect
- mozambique garnet
- mozaik
- mozart project
- mozart festival
- mozaiek
- mozartkugeln

 *The Mozart Project* <http://www.mozartproject.org/>

 *Wolfgang Amadeus Mozart* <http://w3.rz-berlin.mpg.de/cmp/mozart.html>

 *The Mozart Programming System* <http://www.mozart-oz.org/>

Auto completion of user query as they type



exalead®



Auto Suggestion Resource

```
<SuggestDictionary xmlns="exa:com.exalead.mot.suggest.v10" maxEntries="3"
subExpr="false" subString="false" >
    <SuggestDictEntry entry="airport" score="1" />
    <SuggestDictEntry entry="air" score="2"/>
    <SuggestDictEntry entry="airlines" score="3" />
    <SuggestDictEntry entry="aircraft" score="4"/>
    <SuggestDictEntry entry="airelles" score="1" />
    <SuggestDictEntry entry="airpower" score="1" />
    ....
    <SuggestDictEntry entry="zebra" score="1" />
</SuggestDictionary>
```

Scores > administrator-set threshold are displayed

```
<SuggestDictionary xmlns="exa:com.exalead.mot.suggest.v10" maxEntries="3" subExpr="false" subString="false" >
    <SuggestDictEntry entry="airport" score="1">
        <SuggestDictEntryExtraInfo info="http://www.c.com"/>
        <SuggestDictEntryExtraInfo info="http://www.d.com"/>
    </SuggestDictEntry>
    ...
```

Format for URL suggestions

Synonyms, Example

exalead® connect the dots

web Images Videos Wikipedia More ▾

database administrator

Related Searches: Database Administration, Oracle Database, Database Design...

Search Advanced Search

Home > Web results 1-10 of 6,768 for "db administrator", Page 1 - Next page

Ads by Google

Your ad here.
Use Google AdSense to increase your revenue!
www.google.com

DB Administrator Website :: Index
[...] Development Welcome to the DB Administrator home page. DB Administrator is a PHP program that enables you to administrate databases quickly and easily. Copyright (C) 2006 DB Administrator Group X/HTML | CSS
badministrator.sourceforge.net
Cached - Bookmark

SourceForge.net: Mailing Lists for DB Administrator
[...] downloads for DB Administrator. Find Software Develop Create Project Community Site Support About Search SourceForge.net : Projects > DB Administrator > Mail Share DB Administrator Summary ...
sourceforge.net/mail/?group_id=177128
Cached - Bookmark

DB Administrator Jobs in Portland, OR | Indeed.com
[...] company Where: city, state, or zip db administrator jobs in Portland, OR distance: [...] Get email updates for the latest db administrator jobs in Portland, OR My email: You can cancel email alerts at anytime.
www.indeed.com/q-db-administrator-l-Portland,-OR-jobs.html
Cached - Bookmark

Classic Mustang Analyzer Gold Edition Cd-r - HPC-DB Administrator. Software...
HPC-DB Administrator HPC DB Administrator is a tool that allows you to edit, browse, manage and perform simple queries on databases with Microsoft Windows powered HPC, PPC, PocketPCCE V2.0, 2.11, 3.0....
www.free-pc-download.com/databases---networks-s-98-0-0.html
Cached - Bookmark

HPC-DB Administrator
HPC-DB Administrator Homepage Software Development Databases & Networks HPC-DB Administrator An advanced utility which lets you manage handheld databases HPC-DB Administrator Download Click ...
www.shareup.net/Development/Databases-Networks/HPC-DB-Administrator-review-2412.html
Cached - Bookmark

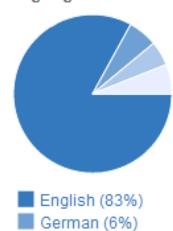
Login or create an account | Preferences

Site type:
» Blog
» Forum

Filetype:
» pdf
» powerpoint
» text
» word

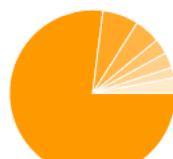
Related terms:
» Application Developer
» Center Server
» Certification exam
» Information technologies
» Practice Exam
» SQL Servers
» SQL script
» Study guide
» actual questions

Languages :



Language	Percentage
English	83%
German	6%
Italian	5%
Others	6%

Countries :



Country	Percentage
United States	80%
United Kingdom	10%
Germany	5%
France	2%
Other	3%

10/29/2010

DB administrator

is defined as
synonym of

*Database
Administrator*

This synonymy
can be in
one direction
or
both ways

exalead®

DS
DASSAULT
SYSTEMES

Synonym Resource

Example 1

```
<Synonyms xmlns="exa:com.exalead.mot.qrewrite.v10" equivalenceClass="false" >
    <SynonymSet originalExpr="db administrator" lang="en" >
        <Synonym alternativeExpr="database administrator" />
        <Synonym alternativeExpr="data base administrator" />
    </SynonymSet>
</Synonyms>
```

In this example the query "db administrator" generates query ("db administrator" or "database administrator" or "data base administrator") but "database administrator" and "data base administrator" queries do not perform expansion.

Example 2

```
<Synonyms xmlns="exa:com.exalead.mot.qrewrite.v10" equivalenceClass="true" >
    <SynonymSet originalExpr="db administrator" lang="en" >
        <Synonym alternativeExpr="database administrator" />
        <Synonym alternativeExpr="data base administrator" />
    </SynonymSet>
</Synonyms>
```

In this example any of the queries "db administrator", "database administrator" or "data base administrator" will generate the combined query ("db administrator" or "database administrator" or "data base administrator")

Phonetic Example

exalead® connect the dots

Web Videos Wikipedia More ▾

soundslike:Filipine

Search Advanced Search

Login or create an account | Preferences

Home > Web results 1-10 of 20,619,420 for soundslike:Filipine, Page 1 - Next page

Philippines - Wikipédia
Philippines Un article de Wikipédia, l'encyclopédie libre. [...] Pour les articles homonymes, voir République des Philippines (homonymie). [...] renverser les théories admises pour l'histoire des Philippines.
fr.wikipedia.org/wiki/Philippines
Cached - Bookmark

Filippine - geografia cultura e storia
Filippine, lunghi week end: i festivi spostati al lunedì Filippine, lunghi week end: i festivi spostati al lunedì ... [...] Scuba: filippine, isole da sogno Scuba: filippine, isole da sogno...
www.filippine.it
Cached - Bookmark

Misterium - Paranormal, enigme, ozn
Dosarele OZN din Filippine devin publice O vestea cu adevarat buna: după activitate de aproape două [...] Cu alte cuvinte, cel puțin pentru aceasta organizație din Filipini, acum adevarul poate fi spus.
misterium.tripod.com/news/2000_10/2k10filipin_ozn.htm
Cached - Bookmark

Philippines - Wikipedia, the free encyclopedia
For the town in the Netherlands, see Philippine (Netherlands) [...] This led to the Philippine-American War. [...] It is bounded on the east by the Philippine Sea.
en.wikipedia.org/wiki/Philippines
Cached - Bookmark

Philippine Airlines | Home
[...] or call: In Manila: (632) 855-8888 In North America: 1-800-I-FLY-PAL In Australia: 1-300-888-PAL
Sitemap | Contact Us | FAQ | Viewing Tips | Legal Notices Copyright © 2008 Philippine Airlines.
www.philippineairlines.com
Cached - Bookmark

P+ Petermann Philippin: Ingénieurs en Environnement, Bâtiment, Informatique
environnement bâtiment informatique P+ Petermann Philippin Bureau d'ingénieurs dont les

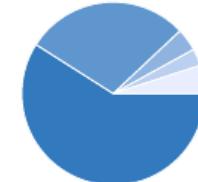
Site type:
» Blog
» Forum

Multimedia:
» Audio

Filetype:
» pdf
» word

Related terms:
» Cebu City
» Hotels in Philippines
» Metro Manila
» PDFAdobe Acrobat
» Philippine Business
» Philippine News
» Philippines Hotels
» Philippines Online
» Rights Reserved
» Travel Philippines

Languages :



English (59%)
French (29%)
Tagalog (4%)
Italian (3%)
Others (5%)

Countries :



10/29/2010 38

ad® DS DASSAULT SYSTEMES

Phonetic Resource

contextualizable character sequence

Phonetic form

names and old spelling

"(oy)", "O.Y"
"(oy)", "O.Y"
"(ooy)", "O.Y"
"(oij)", "O.Y"
"(ooij)", "O.Y"

"(oeu)", "@"

OU
exceptions for foreign words
"r(ou)tine", "OU"
"g(ou)verneur", "OU"
"<b(ou)illon", "OU"
"<r(ou)te", "OU"
"<s(ou)ffleur", "OU"
"<b(ou)gie", "OU"

!! OU in names and old spelling
"(ouw)", "A.OU"

"(ou)", "A.OU"

comment for linguist developer

hoi (hi)
Plockhoy, Roy, Van Royen
Verlooy

Van Ooijen
oeuvre

routebeschrijving
souffleurshokje
bougiesleutel

bouw, sjouwer, mouw, stouwen

zout (sel), vrouw (femme), koud (froid), nou (eh bien)

For each language, phonetic rules are developed in house.

Currently available for 20 languages:

CA	CS	DA	DE
EN	ES	ET	FI
FR	IT	NL	NO
PL	PT	RO	RU
SK	SL	SV	

Ads by Google

Your ad here.

Use Google AdSense to increase your revenue!
www.google.com

Your ad here.

**Ministerul Finantelor footer.jsp**

Comunicate si informari de presa 26 iunie 2009 | Informare La data de 25 iunie 2009 Ministerul Finantelor Publice a primit oferte de la 20 de bănci, care intenționează să participe cu produse de ...
www.mfintante.ro
[Cached](#) - [Bookmark](#)

**Romania - Wikipedia, the free encyclopedia**

For other uses, see [Romania](#) (disambiguation). **Romania** România Flag Coat of arms Anthem: Deșteaptă-te, române! [...] **Romania** (pronounced /rou'meñə/ (listen); en.wikipedia.org/wiki/Romania
[Cached](#) - [Bookmark](#)

**Romanian Embassy**

www.romania.lt
[Cached](#) - [Bookmark](#)

**Diplomacy.ro :: Embassy of Romania - Helsinki**

[...] © 2004 MAE Developed by Astral Info | Webmaster | Site map | Terms and Conditions Last update: 2009-11-09 President of **Romania** Government of **Romania** Ministry of Foreign Affairs helsinki.mae.ro
[Cached](#) - [Bookmark](#)

**...:::Ministerul Apărării Naționale:::...www.mapn.ro...:::Ministerul Apărării Național... ...**

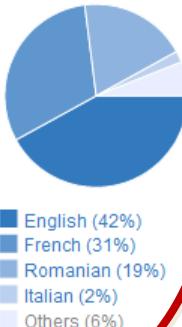
[...] calitatea vieții în Ministerul Apărării al Statului Israel, general de brigadă Orna Barlevay, a efectuat, în perioada 23-26 noiembrie, o vizită oficială în România. [continuare] Comunicate de presă [...]
www.mapn.ro
[Cached](#) - [Bookmark](#)

Site type:

- » Blog
- » Forum

Multimedia:

- » Audio
- » Video

Languages :**Countries :**

Language Identification

54
languages
are
currently
detected

Lemmatisation

The screenshot shows a search results page for the term "cloning". A red oval highlights the search query "cloning" in the search bar. Below the search bar, a message states "Your query matched 6420 entries in the search database. Viewing hits 1-10". A red arrow points from this message down to a section titled "Cloning". This section contains a detailed description of cloning, mentioning AceDB and public websites as sources. Another red arrow points from the "cloning" link in this section down to a "TAR CLONING:" section. This section describes the two-stage process of creating a targeting vector by cloning a 500bp PCR product into the Xba-I site of pEB2, and then cloning a Telomere Capture URA3 pEB2 6548 bp Xba I TEL Cla I 500bp PCR product into the Xba-I site. A red arrow points from the "clone" link in this section down to the "S.scrofa" section below.

wellcome trust
sanger
institute

RSS

cloning

Your query matched 6420 entries in the search database. Viewing hits 1-10

1 2 3 4 ... 97 98 99 100

Cloning Hopefully, this will turn into a full fledged tool to recompute the physical map and assess its reliability. At present, it does very little. This option is not linked in release 1.4 Select project This will look for a binary file \$ACEDB_DATA/sulston/whatever_you_enter.bnd. if it does not exist the program will try

Source: AceDB; public websites

TAR CLONING:
two stages (see figure 1.): In the first stage a targeting vector is created, by cloning a 500bp PCR product into the Xba-I site of pEB2. The PCR product Telomere Capture URA3 pEB2 6548 bp Xba I TEL Cla I 500bp PCR product is cloned into Xba-I Site. Correct orientation has: CEN TEL Plasmid is linearised by digestion

Source: Library; public websites

S.scrofa

and also the name of the BAC from which each BES was produced. A BAC clone name e.g. CH242-196P11, provides a link to further information containing, where possible, as shown in the 'Pig BAC ends' track in human ensembl). d, porcine sequenced clone CH242-196P11 (CR956379) contains the porcine homologue to GNMT. e, pig clone map. f,

Source: WTSI; public websites

<input checked="" type="checkbox"/>	AceDB (101)
<input checked="" type="checkbox"/>	GeneDB (113)
<input checked="" type="checkbox"/>	MEROPS (1027)
<input checked="" type="checkbox"/>	WTSI (5086)

Source: Library; public websites

S.scrofa

and also the name of the BAC from which each BES was produced. A BAC clone name e.g. CH242-196P11, provides a link to further information containing, where possible, as shown in the 'Pig BAC ends' track in human ensembl). d, porcine sequenced clone CH242-196P11 (CR956379) which

Cross Language Information Retrieval

Screenshot of the Voxalead news search interface showing results for "afghanistan".

The search bar at the top contains "afghanistan". A red circle highlights this search term. Below the search bar, language selection options are shown: All, French, English (selected), 中文 (Chinese), and العربية (Arabic). A red arrow points from the search bar down to the Chinese result.

The search results are displayed in a grid:

- Top Left:** VOA video thumbnail. Subtitle: October 12 2009: ...参议院 军事 委员会 主席 莱 文 说在 阿富汗 制定 更好的 战略 以 增加...
- Top Middle:** VOA video thumbnail. Subtitle: August 25 2009: ...一些 宇宙 阿富汗 总统 大选 后 的 情势 受到 各 方 高度 关切...
- Top Right:** NHK WORLD CH video thumbnail. Subtitle: December 2 2009: ...美国 总统 奥 巴 马 公布了 对 阿富汗 新政 策 在 明年 夏天 之前 美国...
- Bottom Left:** VOA video thumbnail. Subtitle: December 1 2009: ...好的 德 林 森 美国 总统 奥 巴 马 和 阿富汗 总统 卡尔 扎 伊 进行 了...
- Bottom Middle:** NHK WORLD CH video thumbnail. Subtitle: December 1 2009: ...计划 于 日本 时间 明天 宣布 新的 阿富汗 战略 在此 之前 他 一直 是...
- Bottom Right:** RFA video thumbnail. Subtitle: November 30 2009: ...如果 是有 好 玩 得 更好 他 们 有 什么 样 都 阿富汗 恐怖 活动 他们 只...

Each result includes a small logo (VOA, NHK WORLD CH, RFA) and a microphone icon.

Spell Checker

The screenshot shows the exalead search engine interface. At the top, there is a navigation bar with links: Web, My PC, Images, Media, Video, and More ». Below the navigation bar is a search bar containing the query "animal sheltre". A red oval highlights the search term "animal sheltre", and a red arrow points from this oval to a "Did you mean:" suggestion below it. The suggestion "Did you mean: animal shelter" is also enclosed in a red oval. To the left of the suggestion is a blue smiley face icon with a yellow question mark. The search results area shows "Results 1-10 of about 284 for animal sheltre". On the right side of the page, there is contact information: "contact@exalead.com" and a link to "Advanced search". Below the search results, there is a link to "All results - Only recent results" and a "View:" dropdown menu with three options.

Samples from Google N-gram corpus

- Sample of the 3-gram data in this corpus:

ceramics collectables collectibles	55
ceramics collectables fine	130
ceramics collected by	52
ceramics collectible pottery	50
ceramics collectibles cooking	45
ceramics collection ,	144
ceramics collection .	247
ceramics collection </S>	120
ceramics collection and	43
ceramics collection at	52
ceramics collection is	68
ceramics collection of	76
ceramics collection	59
ceramics collections ,	66
ceramics collections .	60
ceramics combined with	46

- Sample of the 4-gram data in this corpus:

serve as the incoming	92
serve as the incubator	99
serve as the independent	794
serve as the index	223
serve as the indication	72
serve as the indicator	120
serve as the indicators	45
serve as the indispensable	111
serve as the indispensable	40
serve as the individual	234
serve as the industrial	52
serve as the industry	607
serve as the info	42
serve as the informal	102
serve as the information	838
serve as the informational	41

```
<FastRulesDefinition xmlns="exa:com.exalead.mot.components.fastrules" catName="MyCategory" >
    <Category value="MachineLearning" >
        <Rule value="text:clustering AND (text:"algorithm" OR text:"analysis" OR text:"learning")" />
    </Category>
    <Category value="Hardware/Cluster" >
        <Rule value="text:clustering AND text:"load balancing" />
    </Category>
</FastRulesDefinition>
```

Jones, G. et al. Non-hierarchic document **clustering** Willett introduction
Cluster **analysis**, or automatic classification, is a multivariate statistical
technique ... henceforth a GA, for document **clustering**.
04 nov. 2003 - 20k

MyCategory: MachineLearning

Source : Vie société : Documentation : Press : Exalead EN-FR Press
excerpts : Old - News Articles : Articles de
recherche : NeuralNetworks : clustering

Personnalité :

Gareth Jones, Peter Willett, Edward Arnold, Van Nostrand Reinhold

Lieu :

Berlin, Duran, Sheffield, New York, London

Organisation :

British Library, Wellcome, Everitt, American Society, ACM, Springer

add a category to a
document matching a
compiled regular
expression

100 000 queries with
boolean large multi word
expression matching
1 Mb / sec / server

FastRulesAdvantages

- Very fast rules categorization
- Support huge set of rules (**> 100k rules**)
- Regular expression on chunk (for example a regular expression on an url, title or text)
- Available as a standalone component (Exa and Java)

Drawbacks

- Limited syntax
(only AND/OR/NOT operators are supported)
- Rules must be compiled before usage



exalead

DASSAULT
SYSTEMES

RulesMatcher, Named Entities

S'identifier ou créer un compte | Préférences

exalead

Web Images Vidéos **Wikipédia** Plus ▾

Michelle Obama

Recherches associées : Michelle Obama Plante

Rechercher Recherche Avancée

Accueil > Résultats Wikipédia 1-10 de 301 pour **Michelle Obama**, Page 1 - Page suivante Langue : Anglais

Michelle Obama
See also: **Michelle Robinson's family tree** [...] 2008 Presidential election Campaigning for **Barack Obama** [...] conservative columnist **Michelle Malkin** about ...
en.wikipedia.org/wiki/Michelle_Obama
En cache - Raccourci

Catégories : illinois democrats, women in illinois politics, plus...
Personnes : Oprah Winfrey, Maria Pinto, plus...
Organisations : AFL-CIO, Home Journal, plus...
Lieux : Illinois, Chicago, Illinois, plus...

Oprah Winfrey's endorsement of Barack Obama
Endorsing **Barack Obama** [...] vote for **Obama**, if only because they thought her endorsement made **Obama** more [...] "It made **Obama** more than a 'Black' candidate.
en.wikipedia.org/wiki/Oprah_Winfrey's_endorsement_of_Barack_Obama
En cache - Raccourci

Catégories : oprah winfrey, barack obama
Personnes : Oprah Winfrey, Andrew Pease, plus...
Organisations : Amazon.com, Democratic Party, plus...
Lieux : Illinois, Amarillo, Texas, plus...

Marian Shields Robinson
[...] Lady of the United States **Michelle Obama**. She is the mother-in-law of President **Barack Obama** and the only surviving grandparent of Malia and Sasha Obama.
en.wikipedia.org/wiki/Marian_Shields_Robinson

Catégorie **Personne**
Lieu **Organisation**

Chicago **John McCain**
german-americans
united states presiden...
United States **First Lady**
The New York Times
english americans
Hillary Clinton
Senator Barack Obama
Fox News Bill Clinton
George W. Bush
President George W. Bush
USA american television ac...
ing people CBS NBC
Ameri... **New York Times**
grammy award
barack obama US NBC
american roman catholics U.S.
american film actors
Michelle Obama

 **exalead®**  **DASSAULT SYSTEMES**

SentimentAnalyzer



Blue Smoke

116 E 27th St, New York, NY 10016, USA
Phone: (212) 447-7733
Subway: 6 at 28th St.
Website: <http://www.bluesmoke.com> - Book Online !
Kind of food: Barbecue, American, American Traditional, Southern & Soul, American (Traditional)

Overview Comments Menu

Overview

Review

«forget what the 'cue quibblers say97blue smoke is an ingenious manhattan barbecue joint with a woody barroom full of red-vinyl booths, a skylit dining room, and a hot jazz club downstairs. true, some of the barbecue isn't there yet, but each visit shows improvement, as pit master kenny callaghan breaks in those missouri-made smokers. salt-and-pepper beef ribs are terrific; so are sides and desserts, and as far as pit-smoked foie gras and salmon goes, what's the problem? this ain't east tree stump, texas, after all.»

From New York Magazine

Most viewed comment

«Went to Blue Smoke tonight. The waitstaff was friendly, even if the last sip of my beer was whisked away without so much as an Are you finished with that? Had the baby back ribs, with a side of fries, mac & cheese and hush-puppies. The remoulade that comes with the hush-puppies makes this dish a real specialty. The mac & cheese was creamy, to put it mildly; very tasty, but for the hint of chemically Velvita-esque after-taste. The fries - excellent: they arrived fresh, hot, with a crispy exterior (no batter on these little critters) and with the genuine taste of potato without t... More >>

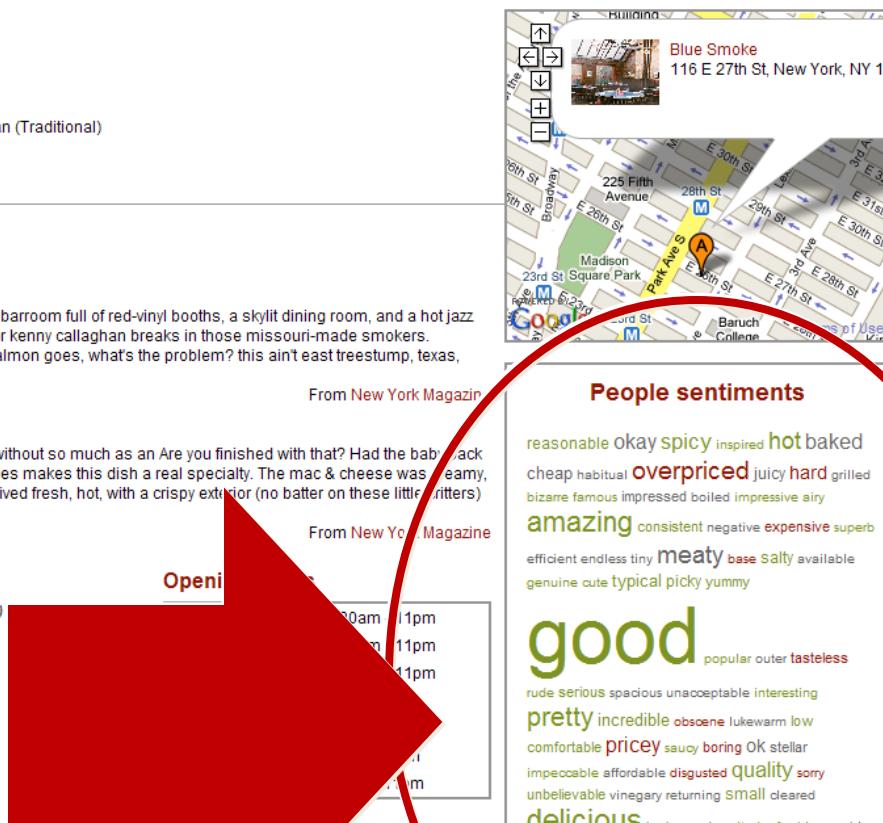
From New York Magazine

Bloggers entries about Blue Smoke

- Restaurant Week '08: Chase Away the Blues At Blue Smoke ([New York City's Hottest Restaurant Deals](#))
- Summer Restaurant Week 2007 Pick: Blue Smoke ([New York City's Hottest Restaurant Deals](#))
- Hill Country to Challenge Blue Smoke, RUB on Their Own Turf ([Grub Street](#))
- Restaurant Week Picks: Winter 2008 (Part 2) ([New York City's Hottest Restaurant Deals](#))
- The Big Apple BBQ Block Party Demands a Lot From Its Vendors ([Grub Street](#))
- Meyer Makes a Move on Citi Field ([Grub Street](#))
- Robbie Richter and Hill Country Part Ways ([Grub Street](#))
- B.R. Guest's New BBQ: Will Wildwood Succeed? ([Grub Street](#))
- Heroic Blogger Saves Burger Lovers From Winter of Discontent ([Grub Street](#))
- Profiled: Midtown Lunch'er "Vanessa" (& Big Apple BBQ Fast Pass Giveaway) ([Midtown Lunch](#))
- PROFILE: Midtown Lunch'er "Chris" ([Midtown Lunch](#))
- Daisy May's BBQ Cart... the best-scratch that- ONLY BBQ in Midtown ([Midtown Lunch](#))

Details

Payment options: AMEX, Diners Club, Discover, MasterCard, Visa

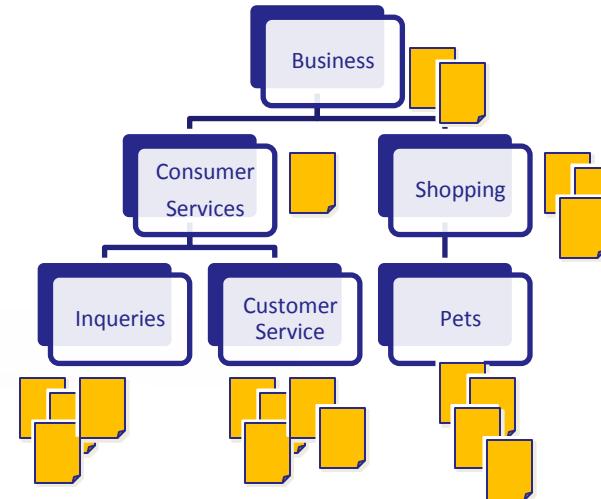


Categorizer

Directory

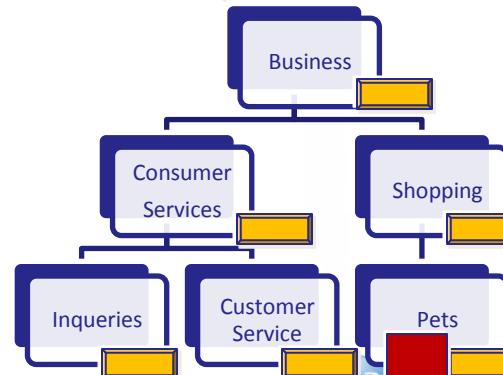
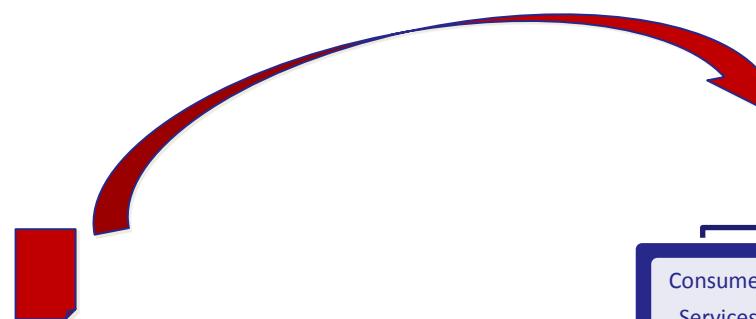
- [Business and Economy](#)
- [Consumer Goods and Services](#)
- [Shopping](#)
- [Shopping](#)
- [Pets](#)
- [Recreation and Sports](#)
- [Pets](#)
- [Society and Culture](#)

exclude
exclude
exclude
exclude
exclude
exclude
exclude
exclude



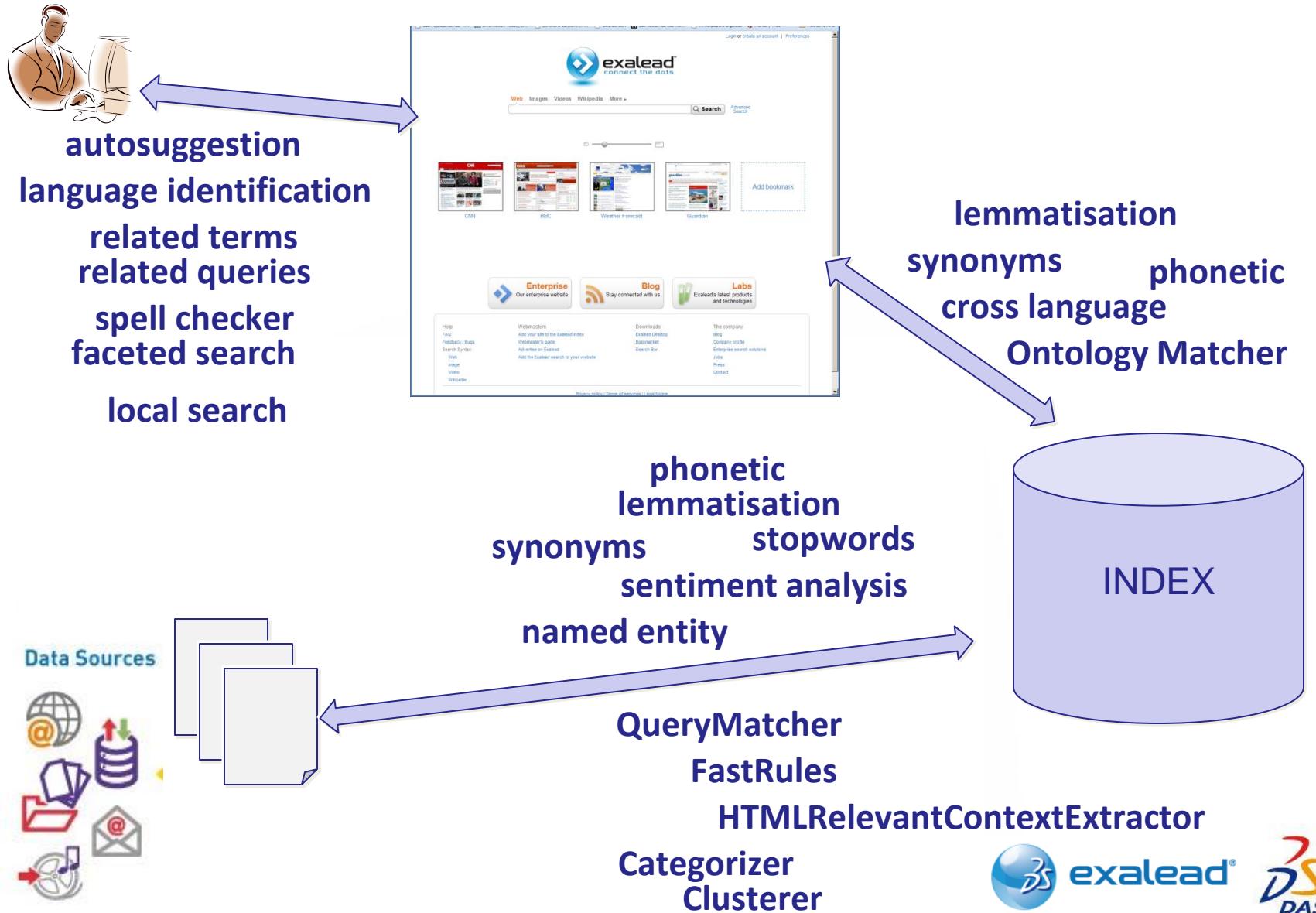
Documents
D'apprentissage

Nouveau
document



Signature
de la classe

Semantics Processes in a Search Engine

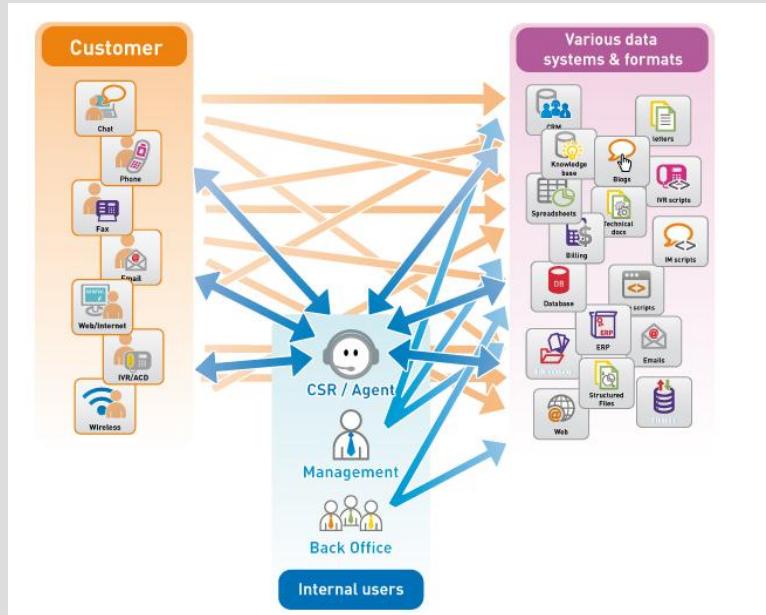


-
- **With documents as containers**
 - **With rich semantic markup**
 - **With database offloading**
 - database queries generating documents
 - **Search engines can become part of a process**

Search Based Applications

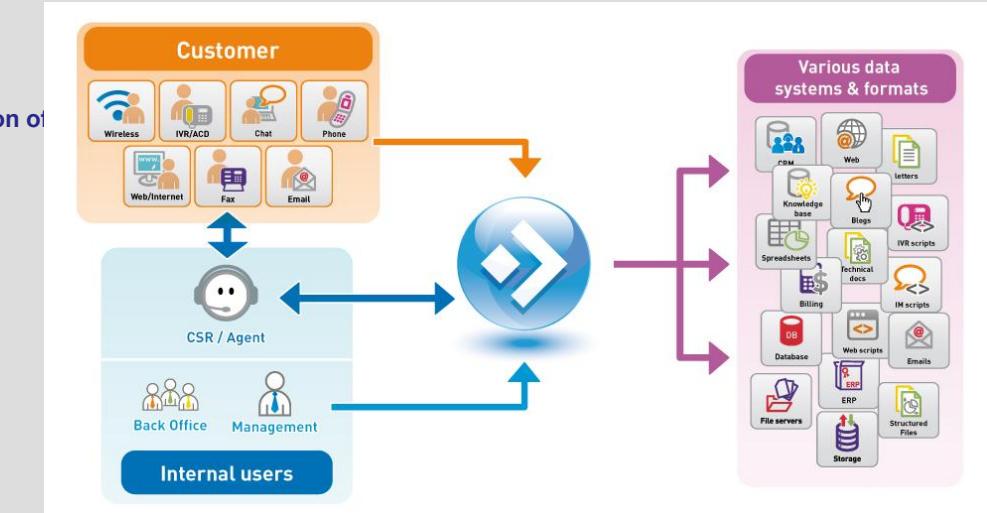
Search-Based Applications

Search Engines can provide a powerful search-based infrastructure...



Without Offloading

High complexity/costs, Low performance/reusability

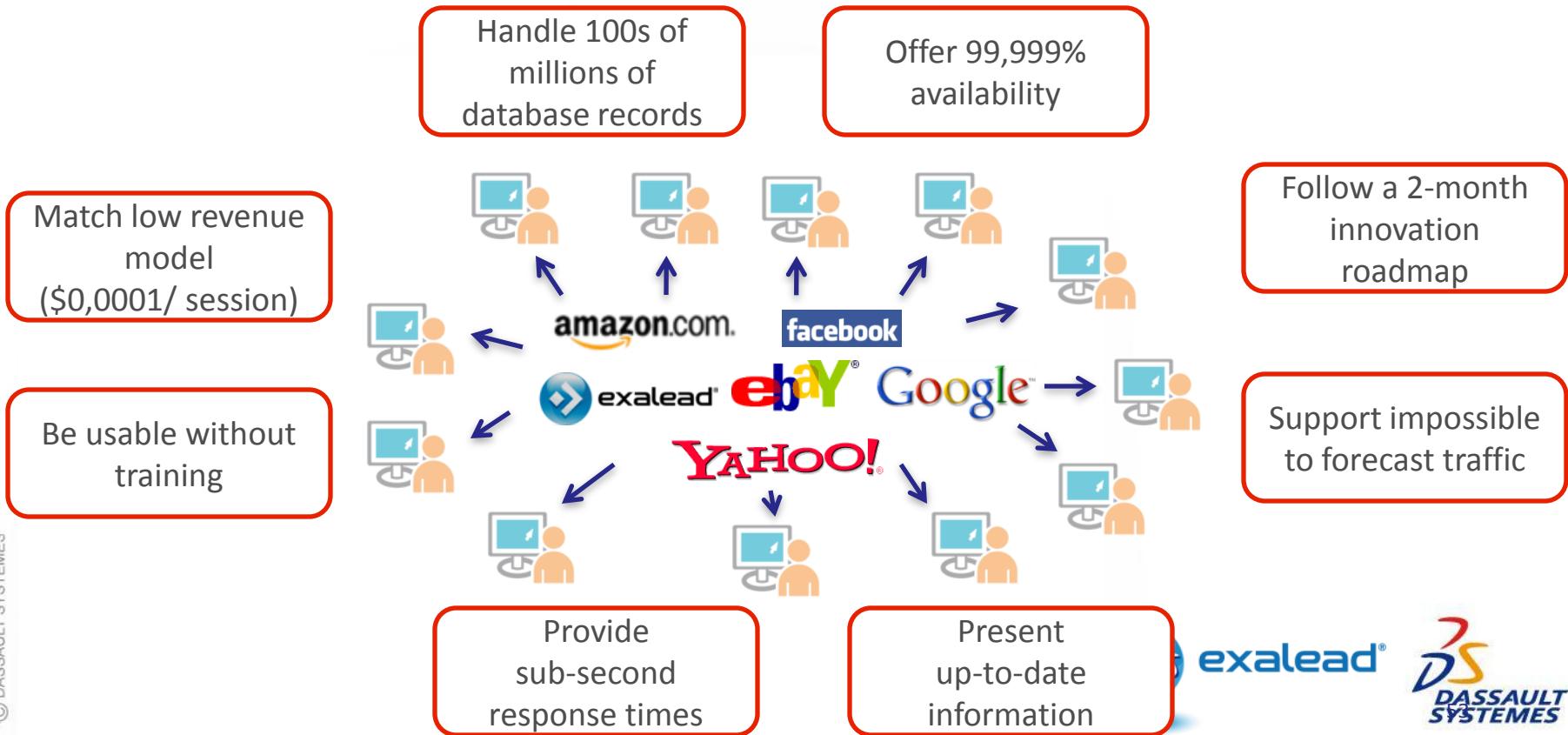


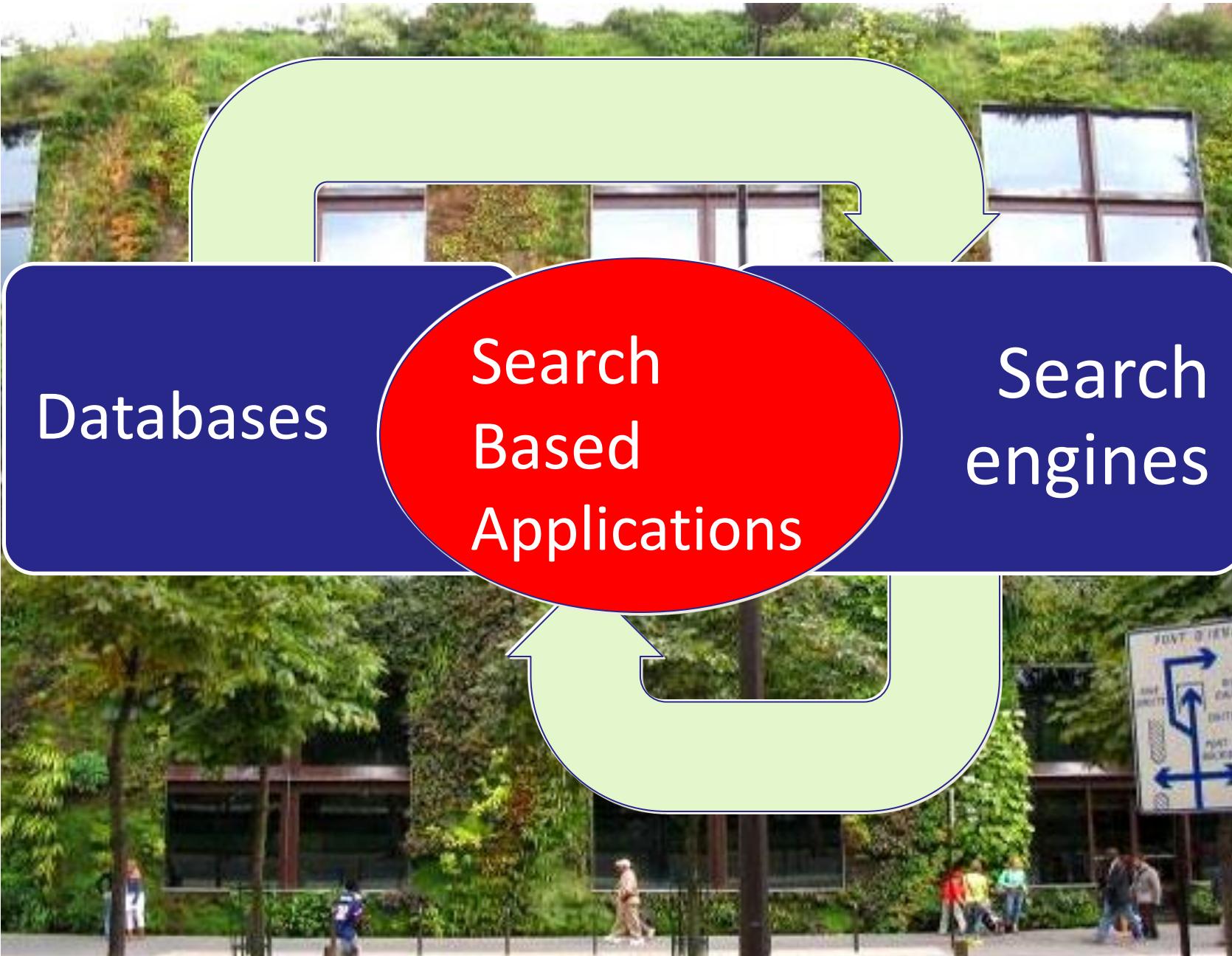
With Offloading

Low complexity/costs, High performance/reusability

Affordance of Search Engines

Web Search Technology has evolved over the past decade to perfect distribution of information





Databases

Search
Based
Applications

Search
engines

Transfer from research to industry

SEMANTICS SUCCESS STORIES

Named Entities

"Named entities are phrases that contain the names of persons, organizations, locations, times, and quantities." (CoNLL 2002)

- MUC 1 (1987) thru MUC 6 (1995)

<ENAMEX TYPE="PERSON">Jim</ENAMEX>

bought

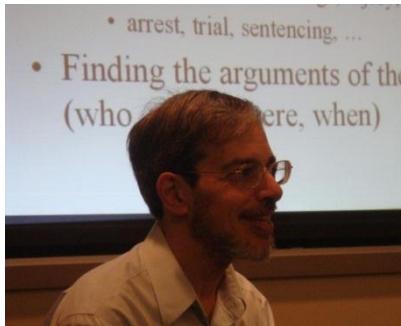
<NUMEX TYPE="QUANTITY">300</NUMEX>

shares of

<ENAMEX TYPE="ORGANIZATION">Acme Corp.</ENAMEX>

in

<TIMEX TYPE="DATE">2006</TIMEX>.



<http://cs.nyu.edu/cs/faculty/grishman/>

GATE Viewer -- doc2 -- Named Entities

```
<DOC>
<DOCID> wsj94_008.0212 </DOCID>
<DOCNO> 940413-0062. </DOCNO>
<HL> Who's News:
@ Burns Fry Ltd. </HL>
<DD> 04/13/94 </DD>
<SO> WALL STREET JOURNAL (J), PAGE B10 </SO>
<CO> MER </CO>
<IN> SECURITIES (SCR) </IN>
<TXT>
<p> BURNS FRY Ltd. (Toronto) -- Donald Wright, 46 years old, was named executive vice president and director of fixed income at this brokerage firm. Mr. Wright resigned as president of Merrill Lynch Canada Inc., a unit of Merrill Lynch & Co., to succeed Mark Kassirer, 48, who left Burns Fry last month. A Merrill Lynch spokesman said it hasn't named a successor to Mr. Wright, who is expected to begin his new position by the end of the month.
</p>
</TXT>
</DOC>
```

Colour key: All date location organization person

Dismiss

10/29/2010 56 SYSTEMES

Voxalead



All Français English 中文 العربية español Русский [Select sources](#)

Latest News



October 28 2010: Ron Artest chats with Larry King



October 28 2010: Corporate money pours into US campaigns



October 28 2010: Yemen security tight ahead of top sporting event



October 28 2010: Karachi grapples with Taliban recruitment

[Last day](#) [Last week](#) [Last month](#)

People

Organization

Location

Abbey Al Qaeda Alabama Alaska America's Aston Martin BBC Barack Obama Baruch Achmed Bill Clinton California
Carly Fiorina China Christine O'Donnell David Gregory Delaware Europe FBI FORD FOX Florida Foster Fox News George Bush Haiti
Harry Reid Illinois India Indiana Indonesia Iraq Island Israel Jack Conway Jerry Brown Jersey Joe Mellor Joe Miller
John Karl John Miller John Stewart Justice Department Kentucky Lisa Murkowski London Marco Rubio Maria Shriver Meg Whitman Michael Bennett
Michigan Mitch McConnell Mohamed Abdillahi Mohammed Morris Nancy Nevada New York North Carolina Pakistan
President Obama Rachel Maddow Republican Russia Saddam Hussein Scope Supreme Court Taliban UK





All Français English 中文 العربية español Русский [Select sources](#)



October 28 2010:
with Larry King

Video [\(un\)select all](#)

- ABC News (0)
- AFP EN (0)
- AFP ES (0)
- AFP FR (0)
- Al Jazeera (0)
- Al Jazeera EN (0)
- BBC RU (0)
- BFM (0)
- CBS News (0)
- CNN (0)
- Fareed Zakaria GPS (0)
- Larry King Live (0)
- Euronews (0)
- Euronews ES (0)
- Euronews RU (0)
- France 24 (العربية)
- France 24 English (0)

- France 24 Français (0)
- ITN News (0)
- LCI (0)
- L'Equipe (0)
- Le Monde (0)
- M6 (0)
- Nightly News (0)
- Countdown (0)
- Meet the Press (0)
- Morning Joe (0)
- The Rachel Maddow Show (0)
- Russia Today (0)
- Russia Today AR (0)
- Russia Today ES (0)
- Voices Of America (0)
- iTele (0)

Radio [\(un\)select all](#)

- BBC News Africa (0)
- BBC News Business (0)
- BBC News World (0)
- CNN News (0)
- Europe 1 (0)
- Hardball with Chris Matthews (0)
- NHK (العربية)
- NHK 中文 (0)
- RFA (0)

Abbey Al Qaeda

Carly Fiorina Ch

[Apply changes](#)

Harry Reid Illinois India Indiana Indonesia Iraq Island Israel Jack Conway Jerry Brown Jersey Joe Mellor Joe Miller

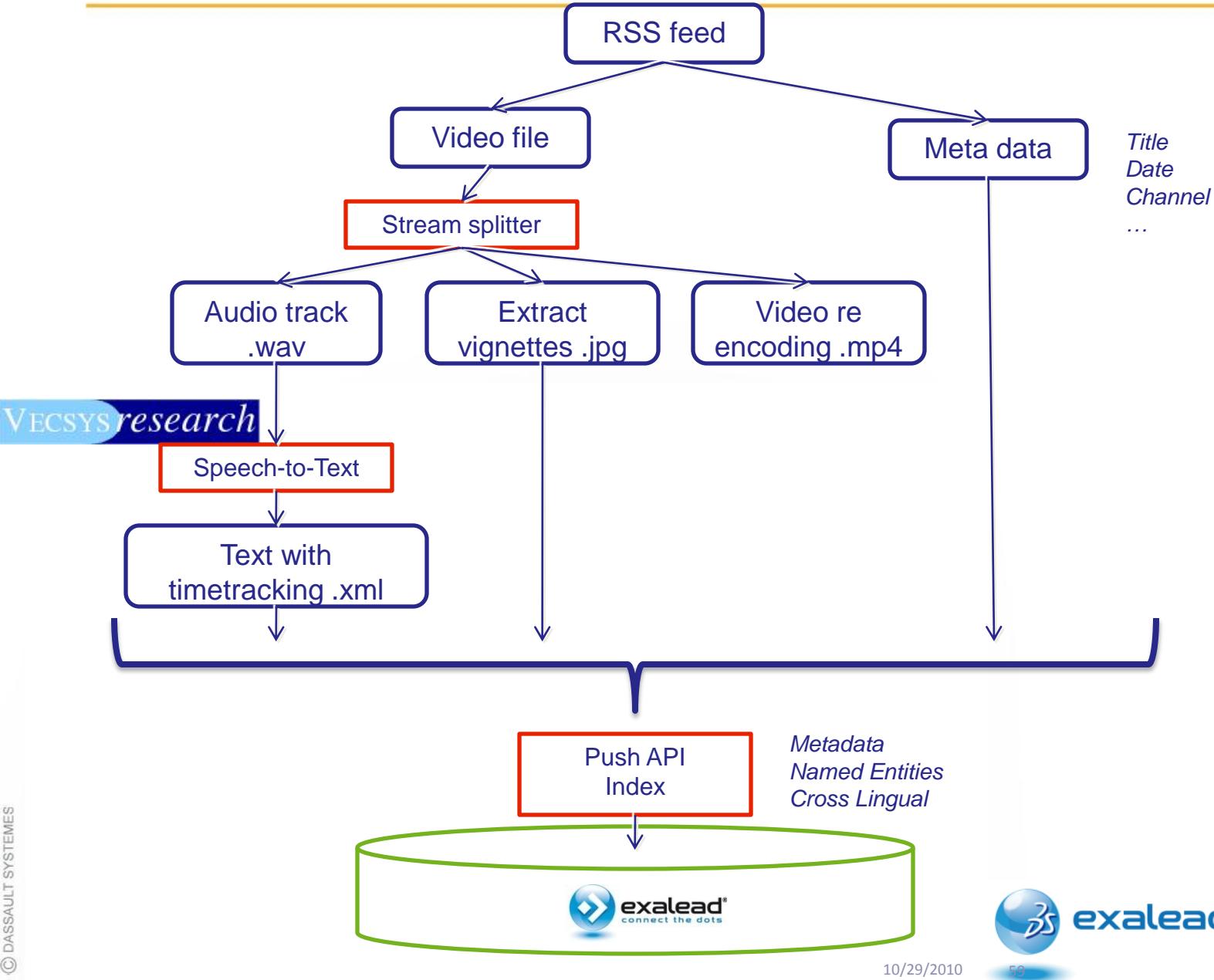
John Karl John Miller John Stewart Justice Department Kentucky Lisa Murkowski London Marco Rubio Maria Shriver Meg Whitman Michael Bennett

Michigan Mitch McConnell Mohamed Abdillahi Mohammed Morris Nancy Nevada New York North Carolina Pakistan

President Obama Republican Russia Supreme Court USA UK

voxalead.com/?n=R&date=R&language=en&rfl=ARCNews&rfl=DFP_FNR&rfl=DFP_FSR&rfl=DFP_FRA&rfl=AlJazeera_AR&rfl=AlJazeera_FNR&rfl=RRG_RU&rfl=RFM&rfl=CBS_News&rfl=CNN&rfl=CNN_Fareed_Zakaria

VoxaleadNews Methodology





All Français English 中文 العربية español Русский [Select sources](#)

Latest News



October 28 2010: I>TELE, LE JOURNAL du 28/10/2010 soir



October 28 2010: Maroc: ces femmes que la coutume prive de leurs droits



October 28 2010: FISCALITÉ : Le bouclier fiscal et l'ISF dans la ligne de mire de la Commission européenne



October 28 2010: LCI - Le journal de 12h du 28 octobre 2010

[Last day](#) [Last week](#) [Last month](#)

People

Organization

Location

Afghanistan Air France Airbus Al-Qaïda Alain Acco Alcatel Argentine Aston Martin Ben Laden Bernard Kouchner

Bernard Thibault Bernard Thibault de la Cgt Brice Hortefeux Bruxelles Brésil CFDT CGT CSA Cac 40 Christian Estrosi

Claude Puel Clichy Conseil constitutionnel Donges EDF Edwy Plenel Europe Fos François Baroin François Chérèque

François Coulon François Fillon G20 Hervé Morin ISF Indonésie Insee Jean-Claude Mailly Jean-Louis Borloo Le Sénat Lyon Mailly

Marseille Martine Aubry Monaco Montpellier Nestor Kirchner Nicolas Sarkozy Niger OTAN Olivier Samain Orly



All Français English 中文 العربية español Русский [Select sources](#)

Latest News

NHK WORLD
CH

October 28 2010: NHK WORLD
RADIO JAPAN - Chinese News at
21:00 (JST), October 28

RFA

October 28 2010: Voices of People
Thursday Oct 28 2010 03:00

RFA

October 27 2010: Asia-Pacific
Report Wednesday Oct 27 2010
23:07

VOA

October 27 2010: 2010-10-27 时事
大家谈(1/4): 中国经济发展模式转型
能否成功?
电话: 108/0-866-837-516

[Last day](#) [Last week](#) [Last month](#)

People

Organization

Location

上海 东亚 中国 亚洲 公民 北京 印尼 台湾 合作 山东 巴黎 广东 广州 德国 新航 日本 欧洲 江西 法国 消防
深圳 湖南 美国 西藏 越南 重庆 非洲 香港

©2010 Exalead,  Terms of Service



10/29/2010

61





Toyota



All Français English 中文 العربية español Русский Select sources

Show tags

Hide Time Line

Numbers of quotation

week of Oct 23, 2009 - week of Oct 22, 2010



Custom period: 2009-10-23 - 2010-10-22

Zoom: 10D 1M 3M 1Y YTD MAX





[« Return to results](#)



6 days ago.

In this video :

[People](#) [Organization](#) [Location](#)

AIG Acura Bahama Barack Obama
Bob Gucci Gianni Brian Tom Costello
Brian Williams CNBC California
Chris Christie Chris Jansing NBC FORD
FOX Fannie Mae Fox News
Freddie Mac Gucci Guinea
Helen Thomas Jefferson Honda Hudson
Hudson River Hugh Hefner Illinois
Iowa Jersey Juan Williams
Laura Schlessinger Lexus MSN
Massachusetts Mexico Michael Isikoff
Mike Huckabee NASA New Jersey
New York New York Times News West
Ohio Pennsylvania Playboy
President Obama Republican
Rick Sanchez Rome San Diego
Sarah Palin Scotch Plains Springfield
Springfield, Massachusetts
Supreme Court Tokyo Tom Costello

Toyota

All Français English 中文 العربية español Русский [Select sources](#)



On the broadcast [tonight](#), politics and what's different this year. Hidden fortune being funneled into campaigns and is this the new face of the [Republican](#) party. We call from [Toyota](#). What's the problem. This time it's a prominent media figure fired for what he said on the air. Is it fair punishment or political correctness gone and houses of worship. Americans finding a place to pray right in their own backyard. Also tonight something very exciting on the moon and lots of the nightly news begins now ..

More news in [New York](#) this is NBC nightly News with [Brian Williams](#).

Good evening. We are just 12 days away now from what could be a game changing election and



UK "tea party"

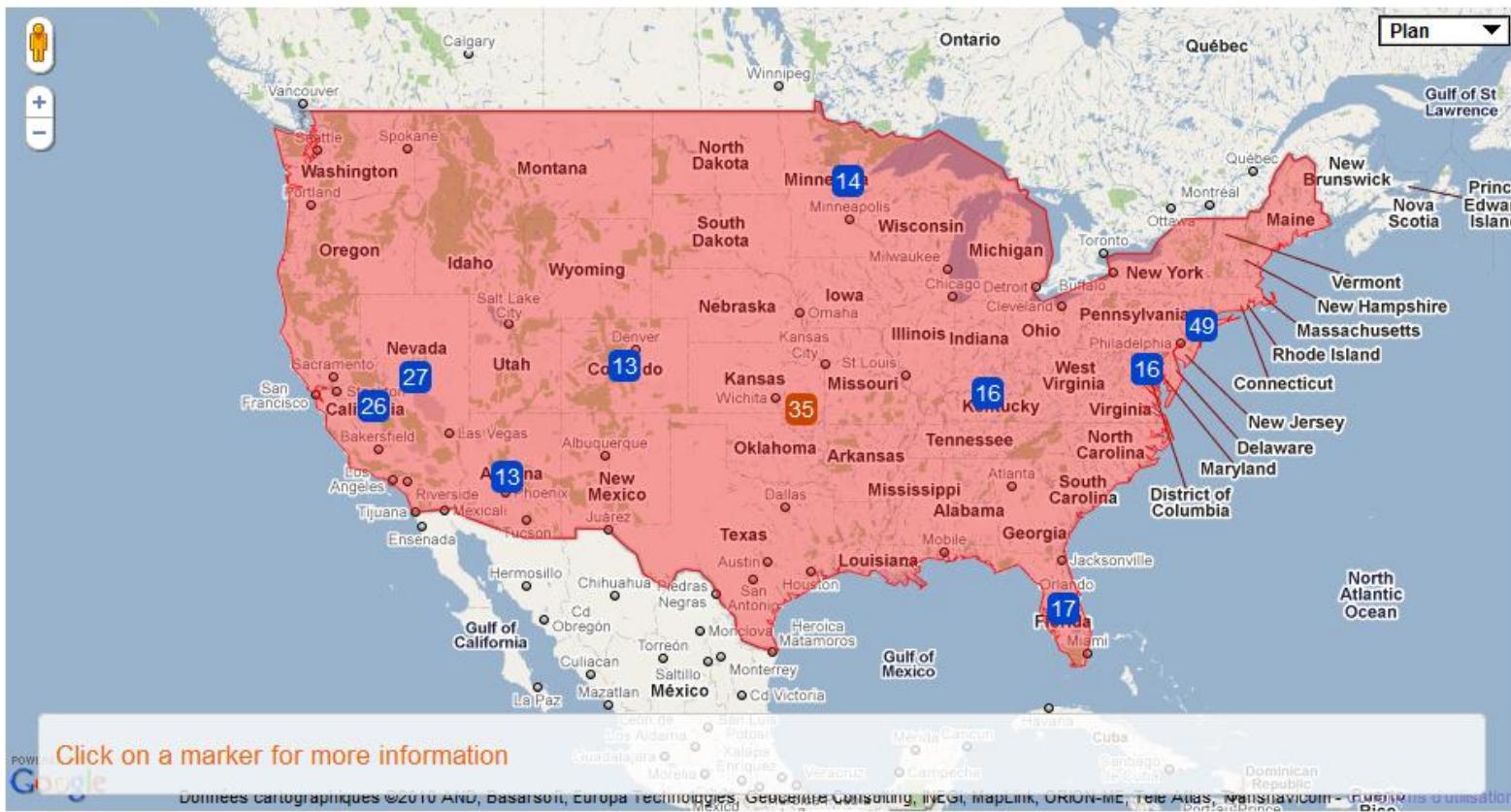
Search

select sources
translate query

141 results.



Plan



Accueil > Médiathèque > Vidéos > 2008 > Aout

cours sur le thème de la généralisation du *Revenu de Solidarité Active*

Vidéos Photos



- Partager
- [Twitter](#)
- [Facebook](#)
- [MySpace](#)
- [Yahoo Buzz](#)
- [Delicious](#)
- [Digg](#)
- [Technorati](#)
- [Email](#)
- [URL](#)
- [Embed](#)
- [Retrouver sur](#)
- [Toutes les vidéos](#)



+ LOIN SCRIPT FACEBOOK

france 24 (France24)
Rumeurs sur le couple Sarkozy: assignée par Biolay, France 24 brandit le droit à l'info

france 24 (France24)
SUR FRANCE 24 : Rome réaffirme son soutien à l'adhésion de la Turquie à l'UE

france 24 (France24)
Rumeurs sur le couple Sarkozy: Benjamin Biolay assigne France 24

maison blanche, france 24 (Rfi)
L'ATELIER DES MEDIAS: 2 Média du Monde + les observateurs de France 24

maison blanche, france 24 (Rfi)
L'ATELIER DES MEDIAS: 2 Média du Monde + les observateurs de France 24

maison blanche, france 24 (France24)
Pâques: les Obama ouvrent les portes de la Maison Blanche à 30 000 personnes

ais, france 24 (France24)
Rumeurs sur le couple Sarkozy: assignée par Biolay, France 24 brandit le droit à l'info

ais, france 24 (France24)
SUR FRANCE 24 : Rome réaffirme son soutien à l'adhésion de la Turquie à l'UE.

© DASSAULT SYSTEMES

Transfer from research to industry

SEMANTICS SUCCESS STORY 2

Topic Segmentation

Sentence:	05	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
14 form	1	1	1	1						1	1	1	1	1	1	1	1	1	1
8 scientist					11			1	1			1	1	1	1	1	1	1	1
5 space	11	1	1																
25 star	1			1															
5 binary																			1
4 trinary																			1
8 astronomer	1					1													
7 orbit	1						1												
6 pull							2		1	1									
16 planet	1	1			11			1			1							1	1
7 galaxy	1											1						1	1
4 lunar		1	1			1		1											
19 life	1	1	1						1		11	1	11	1				1	1
27 moon		13	1111	1	1	22	21	21	21					11	1			1	1111
3 move										1	1	1							
7 continent										2	1	1	2	1					
3 shoreline											12								
6 time					1					1	1	1		1					1
3 water										11			1						
6 say										1	1		1		11				
3 species											1	1	1						

Figure 2: Distribution of selected terms from the *Stargazer* text, with a single digit frequency per sentence number (blanks indicate a frequency of zero).

<http://people.ischool.berkeley.edu/~hearst/papers/acl94.pdf>

Topic Segmentation

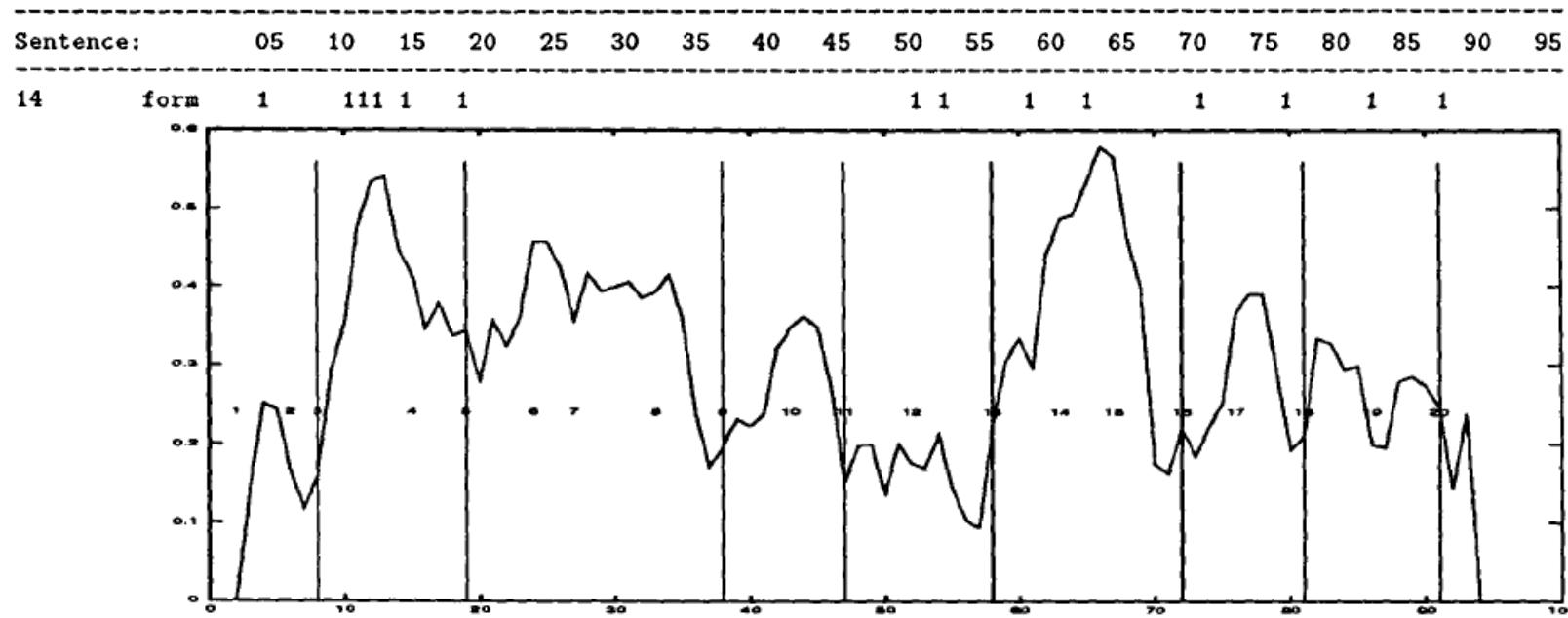


Figure 4: Results of the block similarity algorithm on the *Stargazer* text. Internal numbers indicate paragraph numbers. x-axis indicates token sequence gap number. y-axis indicates similarity between blocks centered at the gap.

Sentence: 05 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



distribution of selected terms from the *Stargazer* text, with a single digit frequency per sentence number (note a frequency of zero).

<http://people.ischool.berkeley.edu/~hearst/papers/acl94.pdf>

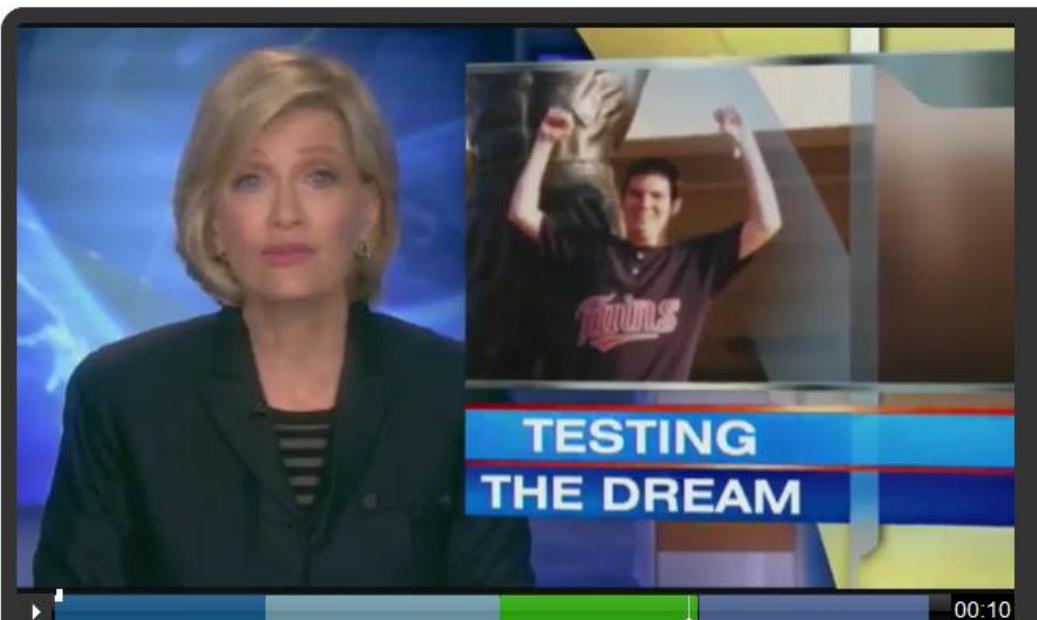
Professor Marti Hearst

Text segmentation in practice

vox.labs.exalead.com/voxalead/video/zbgwN_xBik1Z_part_2/?translated_query=×pan=all&l=en&translation_language=&q="tea+party"&r=&lr=&mode=l
ents

Voxalead news "tea party" select sources translate query

"tea party" > ABC World News with Diane Sawyer



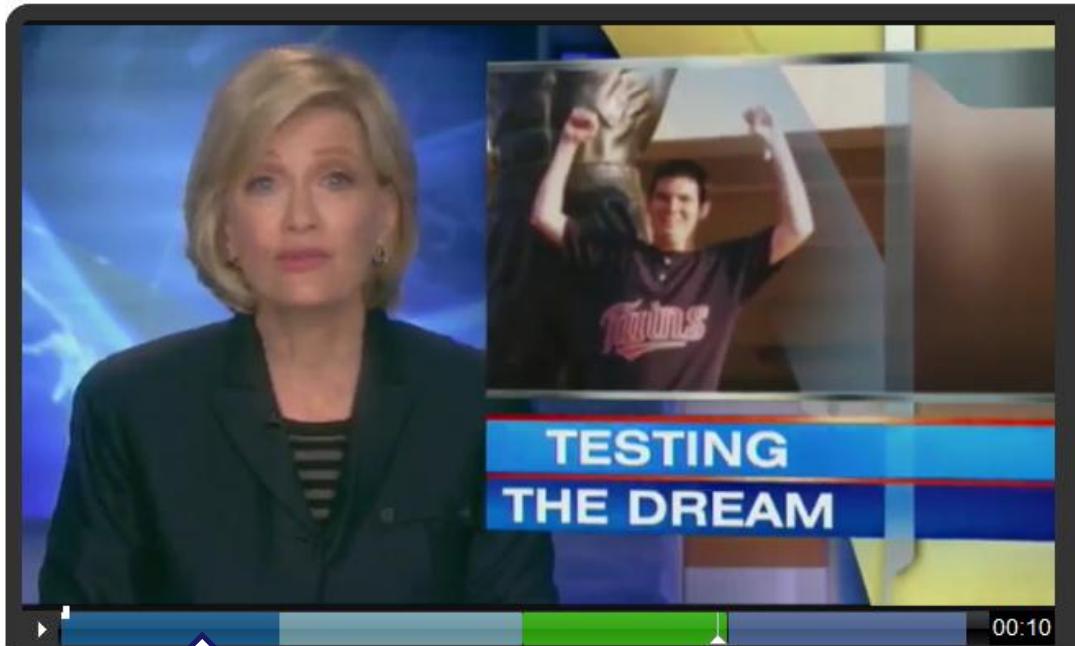
"tea party"

Lindsey Davis
Jerry Brown
Greenpeace
California
New York

Summaries Transcription

She was fitted with a prosthetic nose like the kind they use in the movies for special effects . She puts it on herself with a special skin that he's at each morning , a kind of preview of what the surgery will make
when she on the bed comfort . It was a benefit for the Grossman burn Foundation and the surgeons will operate on her for 3 he you should have
for the favorite musician one in that former first Lady Laura Bush
it was like California first Lady Muslim and


["tea party"](#)

[Search](#)
[select sources](#)
[translate query](#)
["tea party" > ABC World News with Diane Sawyer](#)


rescue, man, capsule, first

Summaries

Transcription

She was fitted with a prosthetic nose like the kind they use in the movies for special effects . She puts it on herself with a special skin that he's at each morning , a kind of preview of what the surgery will make

when she on the bed comfort . It was a benefit for the Grossman burn Foundation and the surgeons will operate on her for 3 he you should have

for the favorite musician one in that former first Lady Laura Bush

it was like California first Lady Muslim and

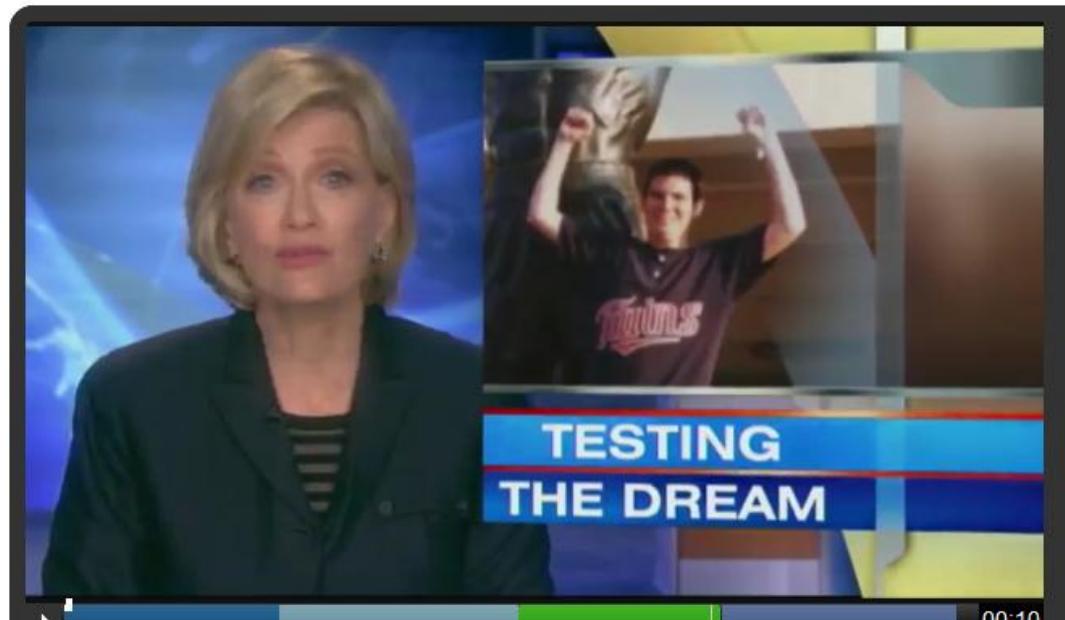


🇬🇧 "tea party"

Search

select sources
translate query

"tea party" > ABC World News with Diane Sawyer



"tea party"

Lindsey Davis

Jerry Brown

Greenpeace

California

New York

human, cell, first, stem

Summaries Transcription

She was fitted with a prosthetic nose like the kind they use in the movies for special effects . She puts it on herself with a special skin that he's at each morning , a kind of preview of what the surgery will make

when she on the bed comfort . It was a benefit for the Grossman burn Foundation and the surgeons will operate on her for 3 he you should have

for the favorite musician one in that former first Lady Laura Bush

it was like California first Lady Muslim and

S

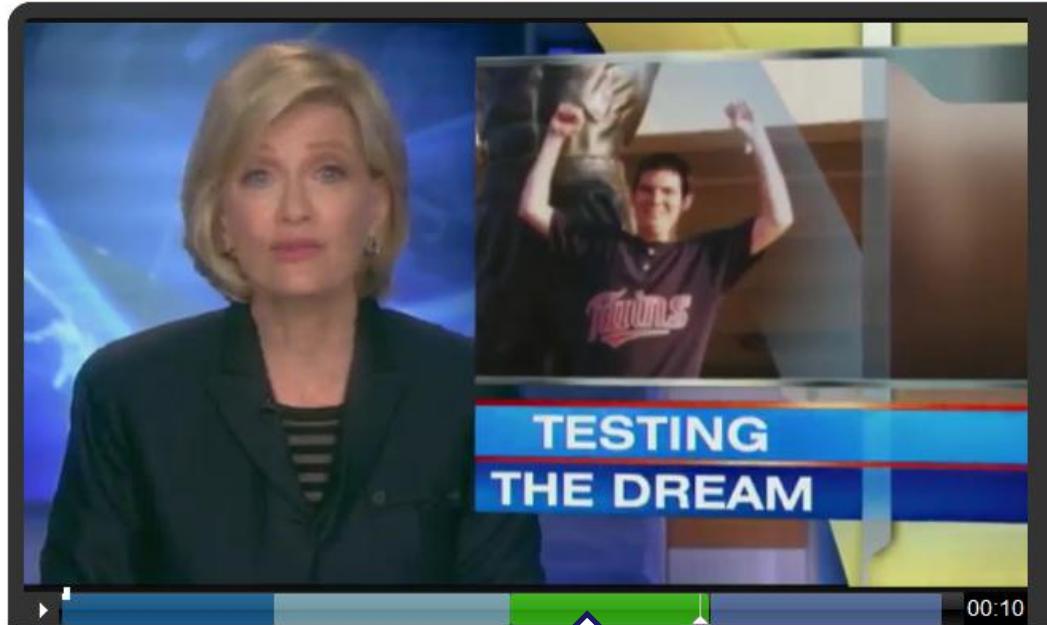


"tea party"

Search

select sources
translate query

"tea party" > ABC World News with Diane Sawyer



money, foreign, chamber

Summaries Transcription

She was fitted with a prosthetic nose like the kind they use in the movies for special effects . She puts it on herself with a special skin that he's at each morning , a kind of preview of what the surgery will make

when she on the bed comfort . It was a benefit for the Grossman burn Foundation and the surgeons will operate on her for 3 he you should have

for the favorite musician one in that former first Lady Laura Bush

it was like California first Lady Muslim and

s

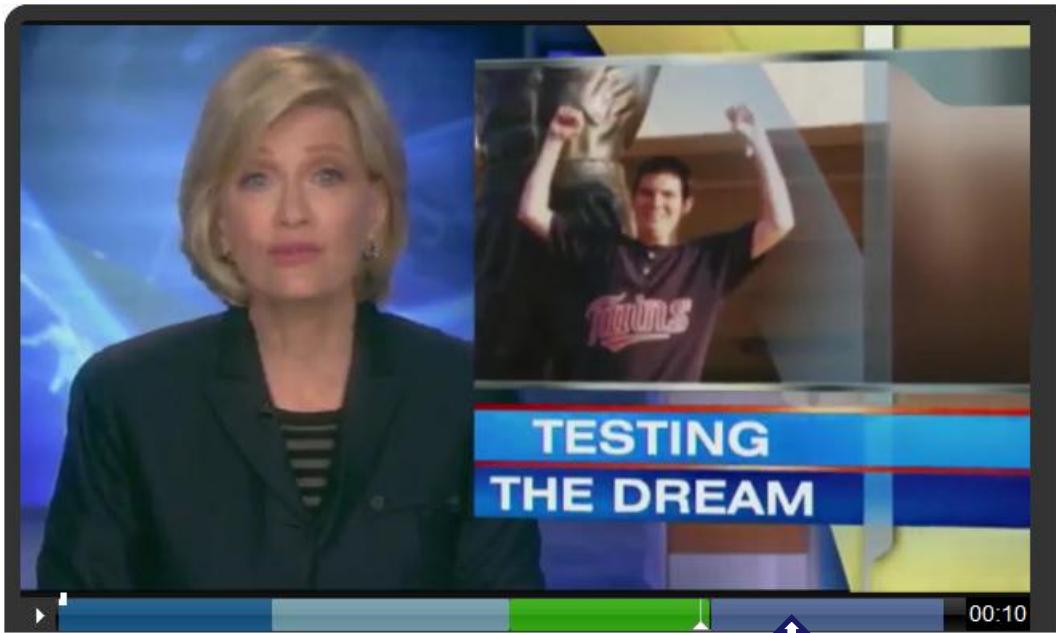


 "tea party"

 Search

select sources
translate query

"tea party" > ABC World News with Diane Sawyer



"tea party" 

Lindsey Davis
Jerry Brown
Greenpeace
California
New York

first, Kim

Summaries  Transcription

She was fitted with a prosthetic nose like the kind they use in the movies for special effects . She puts it on herself with a special skin that he's at each morning , a kind of preview of what the surgery will make

when she on the bed comfort . It was a benefit for the Grossman burn Foundation and the surgeons will operate on her for 3 he you should have

for the favorite musician one in that former first Lady Laura Bush

it was like California first I adv Muslim and



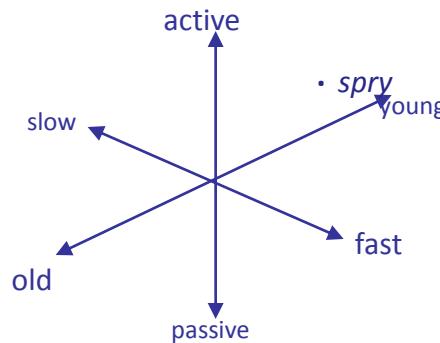
Transfer from research to industry

SEMANTICS SUCCESS STORY 3

Brief History of Semantic Fields and Affect Analysis

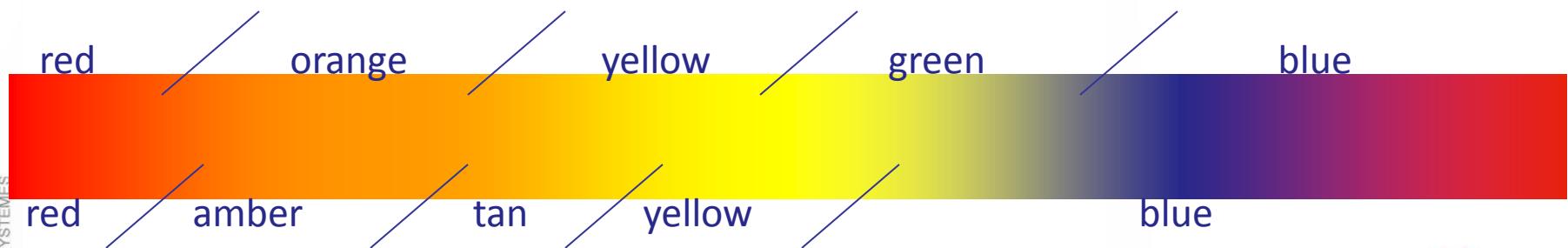
- **Deese (1965) semantic axes**

- free association experiments
- “big-small”, “hot-cold”, etc.



- **Berlin & Kay (1969) Lehrer (1974) semantic fields**
- **Levinson (1983) linguistic scale**

- set of alternate or contrastive expressions
- arranged on an axis by degree of semantic strength



Affect Lexicons

- **Lasswell Value Dictionary (1969)**

- Eight dimensions:
 - WEALTH, POWER, RECTITUDE, RESPECT, ENLIGHTENMENT, SKILL, AFFECTION, AND WELLBEING with *positive* or *negative* orientation
 - e.g., *admire*: RESPECT (*positive*)

- **General Inquirer dictionary (Stone, et al. 1965) 9051 headwords**

- 1,915 positive and 2,291 negative words (Pos/Neg)
- also labels: Active, Passive, ... , Pleasure, Pain, ...Human, Animate, ..., Region, Route,..., Fetch, Stay, ..

<http://www.wjh.harvard.edu/~inquirer/inqdict.txt>

Clairvoyance Affect Lexicon

<lexical entry> <POS> <class> <centrality> <intensity>

"arrogance" sn "superiority" 0.7 0.9

..

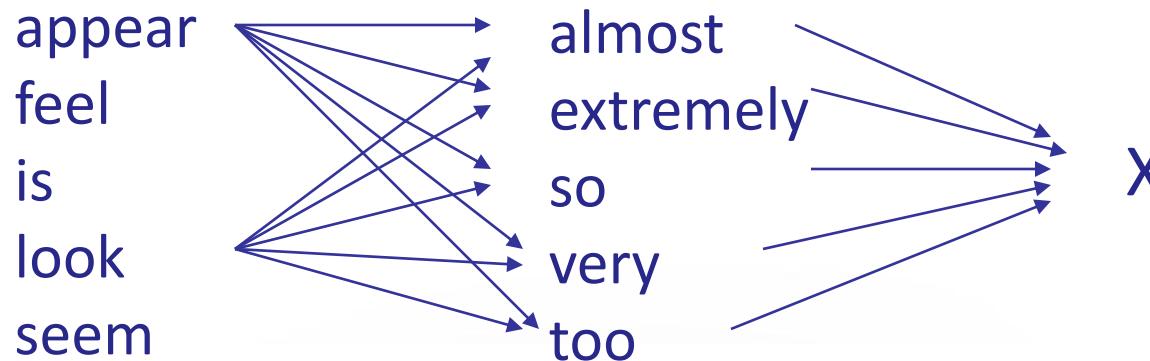
"gleeful" adj "happiness" 0.7 0.6

"gleeful" adj "excitement" 0.3 0.6

...

84 pair affect classes (positive/negative)

Finding Emotive Words using Patterns



“appearing so ...”

“feeling extremely...”

“was too...”

“looks almost....”

105 patterns with conjugated word forms

Most Common Words from All Patterns

- Using snippets from all 105 patterns:

- 8957 good
- 2906 important
- 2506 happy
- 2455 small
- 2024 bad
- 1976 easy
- 1951 far
- 1745 difficult
- 1697 hard
- 1563 pleased

... in all 15111 different, inflected word

SO-PMI of emotive pattern words

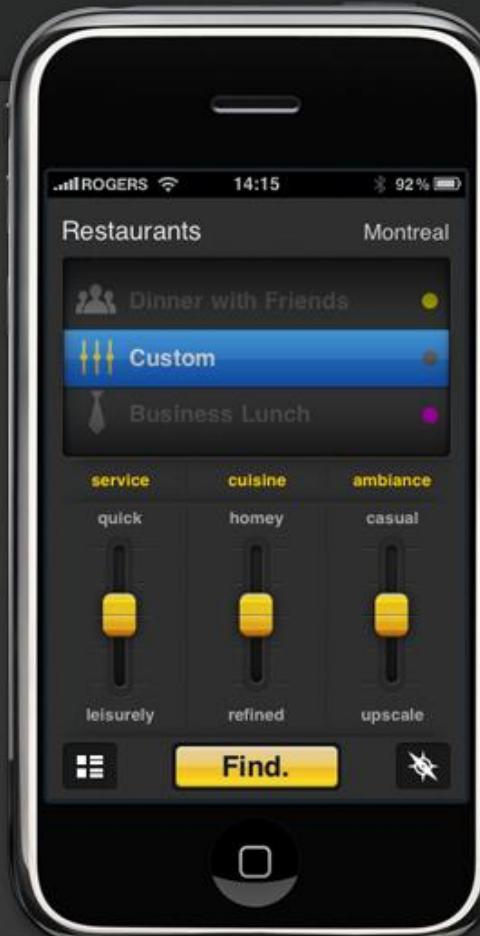
37.5	knowlegeable
33.6	tailormade
32.9	eyecatching
29.0	huggable
26.2	surefooted
24.6	timesaving
22.9	personable
21.9	welldone

-17.1	underdressed
-17.5	uncreative
-18.1	disapproving
-18.5	meanspirited
-18.6	unwatchable
-22.7	discombobulated



Mood of a city

URBANIZER.com



View your city's mood 

French

BETA

urbanizer for iPhone

Discover your city by mood!

Urbanizer is an innovative interactive application that recommends places in your city based on mood. Whether you are planning a romantic dinner, or an evening out with friends, Urbanizer will help you discover the perfect place that suits the mood.

Available on the iPhone 

Vote for your city, enter your email, select city and vote :

Select City  Vote



Urbanizer is powered by  YellowPages®



View your city's mood

Carrier 8:59 PM

Select the city you want to search in

for iPhone

your mood!

An interactive application that recommends places based on mood. Whether you are planning a night out with friends, Urbanizer will help you find a place that suits the mood.

your email, select city and vote :

Select City

Mood Tags

Friends

Reviews

13. Restaurant Str...
1019, avenue Du Mont-Royal, Montréal, Québec, H3B 1C6, Canada

14. Taj Restaurant
2077, Rue Stanley, Montréal, Québec, H3B 1C6, Canada

Urbanizer is powered by YellowPages®



View your city's mood



Français

Urbanizer for iPhone

mood!

An interactive application that recommends a place that suits the mood. Whether you are planning a evening out with friends, Urbanizer will help place that suits the mood.

your email, select city and vote :

Select City

Vote



Urbanizer is powered by  YellowPages®



for iPhone

mood!

An interactive application that recommends a place based on mood. Whether you are planning a dinner with friends or just looking to hang out with friends, Urbanizer will help you find a place that suits the mood.

your email, select city and vote :

Select City Vote



Restaurants Montreal

Dinner with Friends

Custom

Business Lunch

service cuisine ambiance

quick homey casual

leisurely refined upscale

Find.

Find **Restaurants**

Carrier 8:59 PM

Café Cherrier
3635, Rue Saint-Denis, Montreal

Restaurant Le Fripon
436, Place Jacques-Cartier, Montreal

Restaurant Toqué
900, Place Jean-Paul-Riopelle, Montreal
1 friend is fan

Restaurant Beaver Hall
1073, Côte Du Beaver Hall, Montreal

Restaurant Méridional Inc
550, Chemin De Chambly, Longueuil

Mood Nearby Score Filter

View your city's mood

French

r for iPhone
y mood!

An interactive application that recommends on mood. Whether you are planning a ening out with friends, Urbanizer will help place that suits the mood.

your email, select city and vote :

Select City Vote

+ Mood Tags
+ Friends
+ Reviews

+ 13. Restaurant Str...
1019, avenue Du Mont-...
14. Taj Restaurant
2077, Rue Stanley, Mon...



The screenshot shows a list of restaurants under the heading "Restaurants". The first two items are "Café Cherrier" at 3635, Rue Saint-Denis, Montreal, and "Restaurant Le Fripion" at 436, Place Jacques-Cartier, Montreal. Below the list are four buttons: "Mood", "Nearby", "Score", and "Done". A large modal window is open, showing mood selection options: "African/Middle East", "Asian/Oriental", "Breakfast" (with a "\$" sign), and "Bring Your Own Wine" (with a "\$\$" sign).

for iPhone

mood!

An interactive application that recommends a place that suits the mood. Whether you are planning a dinner out with friends, Urbanizer will help you find the right place that suits the mood.

your email, select city and vote :

Select City

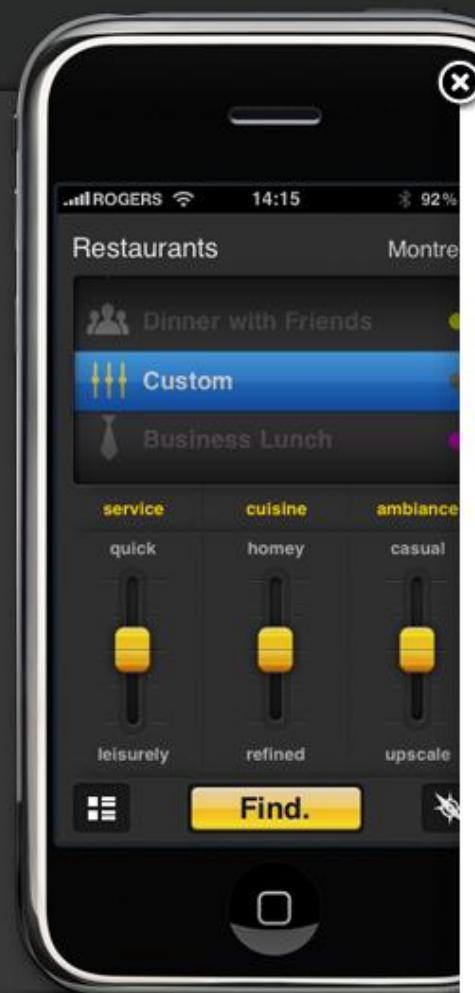


- Mood Tags
- Friends
- Reviews



- 13. Restaurant Str...
1019, avenue du Mont-...
14. Taj Restaurant
2077, Rue Stanley, Mon...

Urbanizer is powered by YellowPages®



A screenshot of the Urbanizer app showing the details for 'Restaurant Toqué'. The top bar shows 'Back', 'Details', and a yellow heart icon. The main card displays the name 'Restaurant Toqué' with a pink dot, 'price N/A', and 'French, European' cuisine. Below this are sections for 'Mood Tags', 'Friends', and 'Reviews' (58 reviews). At the bottom are the phone number '(514) 499-2084' and the address '900, Place Jean-Paul-Riopelle, Montreal'.

for iPhone
your mood!

An interactive application that recommends a place that suits the mood. Whether you are planning a dinner out with friends, Urbanizer will help you find a place that suits the mood.

Your email, select city and vote :

Select City

+ Mood Tags
+ Friends
+ Reviews

+ 13. Restaurant Street
1018, avenue Du Mont-Royal, Montréal, Québec H3B 1C6, Canada
14. Taj Restaurant
2077, Rue Stanley, Montréal, Québec H3B 1C6, Canada

Urbanizer is powered by YellowPages



View your city's mood  Français

Carrier 8:59 PM

Back **Reviews**

Listed in 1,000 Places To See Before You Die, Toque! is worth keeping on the Buck... >
via Zagat

Absolutely fantastic experience. Service, wine, and food was impeccable. Very sm... >
via Zagat

We paid as much here as at many Michelin starred restaurants in Europe; I only wish... >
via Zagat

Perfectly nice French restaurant, but not worth the money.. >
via Zagat

Horrible service. Way overrated. Not worth the money.. >
via Zagat

The decor was okay but the ambiance came off as a little business like, not romantic.... >
via Opentable

for iPhone
mood!

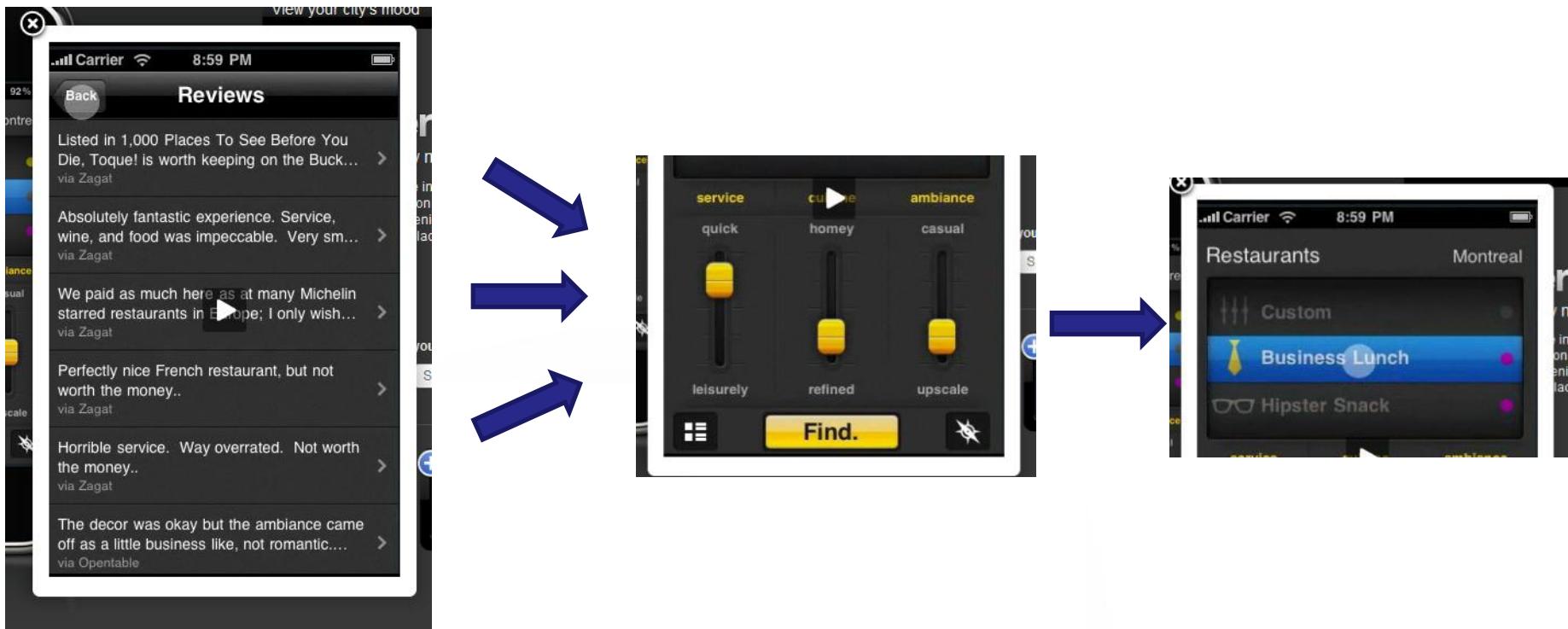
An interactive application that recommends places based on mood. Whether you are planning a night out with friends, Urbanizer will help you find the place that suits the mood.

your email, select city and vote :

Select City  Vote



Extraction + Abstraction + Abstraction

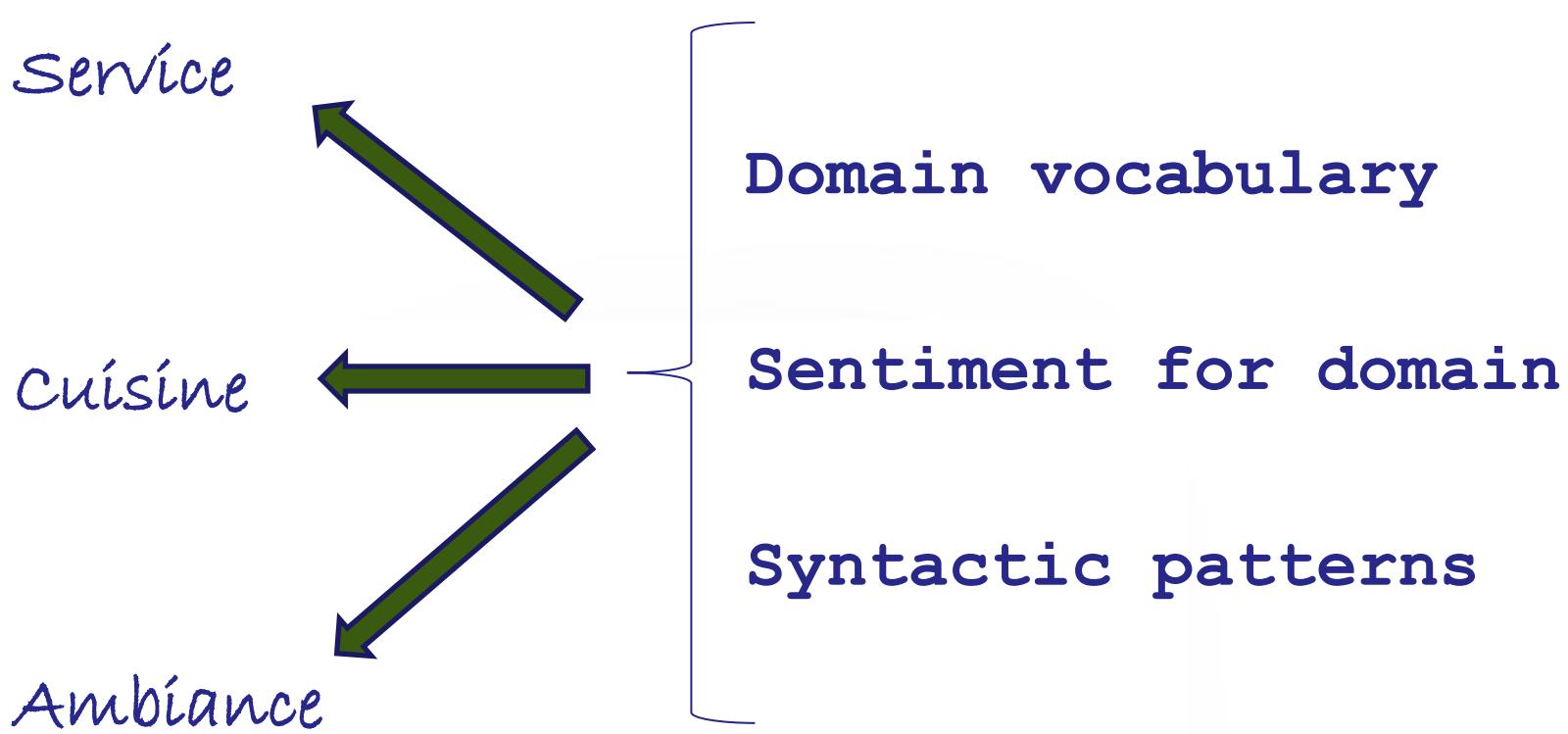


"...decor is not particularly elegant..."

ambiance \downarrow 70

Business Lunch \approx service ϵ [0,40] V cuisine ϵ [45,100] V ambiance ϵ [45,100]

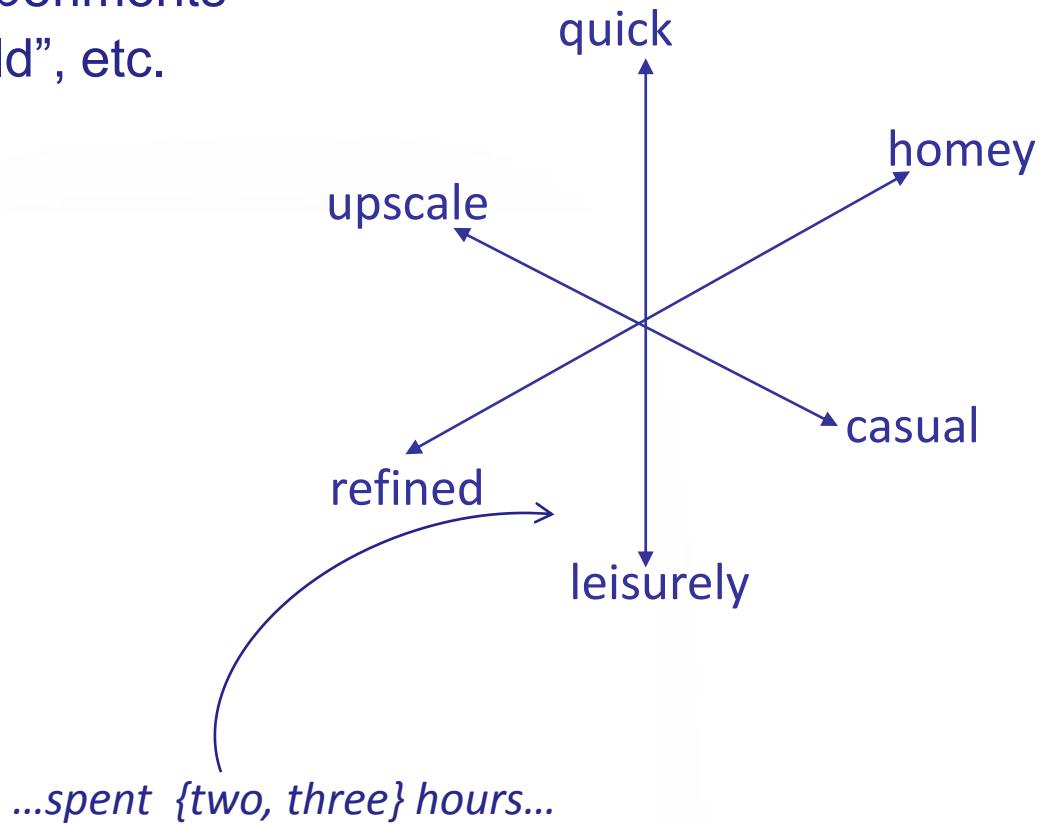
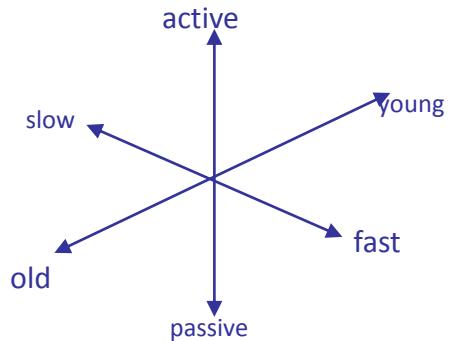
URBANIZER Domain modeling



Domain analysis, same as Affect Analysis

- Deese (1965) semantic axes

- free association experiments
- “big-small”, “hot-cold”, etc.





View your city's mood  Français

Carrier 9:00 PM

urbanizer

Find
Find a restaurant that fits your mood.

Feed
View your friends' activities.

Friends
Find out what your friends' favourite places are.

Favourites
View your favourite places.

Mood Map
View the overall mood of your city, and its neighbourhood.

for iPhone

mood!

An interactive application that recommends restaurants based on mood. Whether you are planning a dinner out with friends, Urbanizer will help you find the place that suits the mood.

Your email, select city and vote :

Select City  Vote

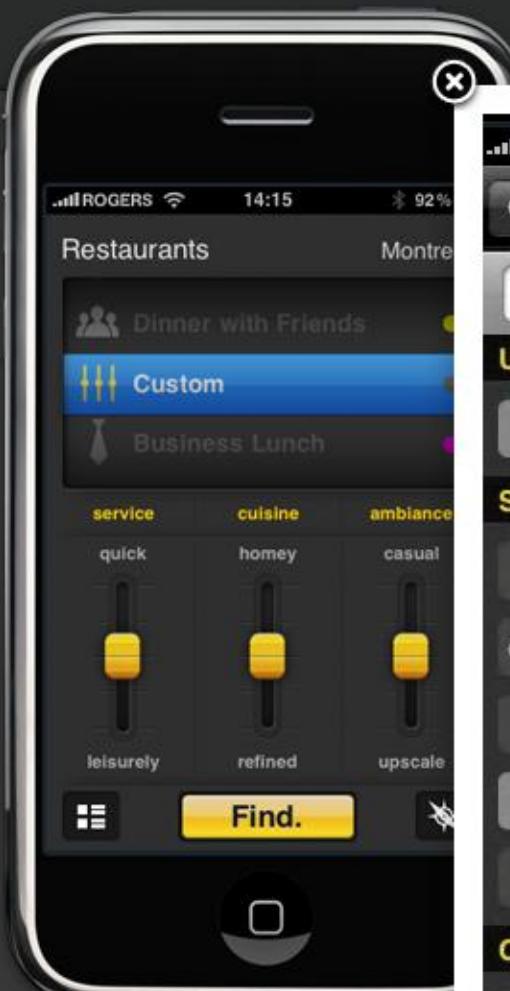


13. Restaurant Street

1018, avenue Du Mont-Royal

14. Taj Restaurant

2077, Rue Stanley, Montréal



View your city's mood 

French

Select Tags

Cancel Done

Search or add new tags 

Urbanizer Community

Service

cool ambiance cozy place

personal service  attentive staff

courteous service professionel server

knowledgeable waiter cool staff

efficient service quick service

timely manner prompt service

Cuisine

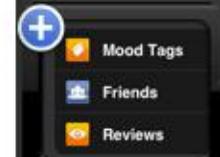
authentic food local ingredients

for iPhone
mood!

An interactive application that recommends places based on mood. Whether you are planning a night out with friends, Urbanizer will help you find a place that suits the mood.

Your email, select city and vote :

Select City  Vote

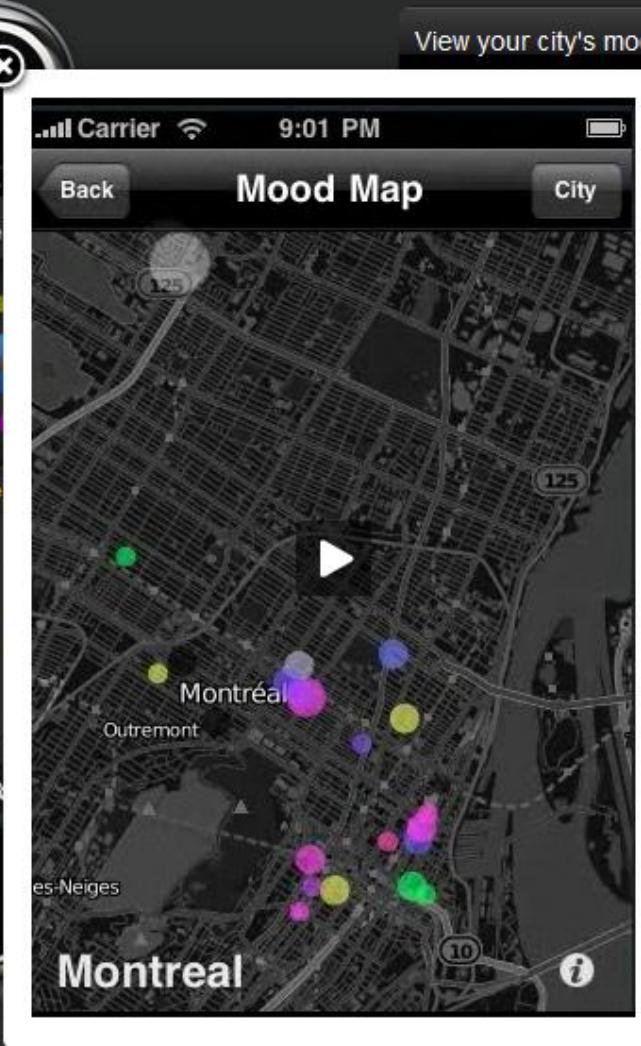


13. Restaurant Strom

5019, avenue Du Mont-Royal

14. Taj Restaurant

2077, Rue Stanley, Montréal



View your city's mood



Français

for iPhone

mood!

An interactive application that recommends places based on mood. Whether you are planning a night out with friends, Urbanizer will help you find the place that suits the mood.

your email, select city and vote :

Select City

Vote



14. Taj Restaurant

90th, Avenue Du Mont-

Montreal, QC H3T 1Z1

Tel: 514-875-1444

14. Taj Restaurant

2077, Rue Stanley, Mon-

treal, QC H3B 1L2

Tel: 514-875-1444

Urbanizer is powered by YellowPages®

Another example of domain modeling

The screenshot shows a web browser window for the website cars.yakaz.com. The page title is "Used cars". The main header features the "Yakaz" logo with "United States" and a car icon above it, and "Classified ads search engine" below it. Below the header is a search bar with a placeholder "Ford Texas, Mercedes in Miami, convertible, ...". To the right of the search bar are buttons for "Search" and "Advanced search". A link "Specify the location" is also present. The main content area displays a summary: "3,762,725 used cars coming from 15,212 websites". Below this, there are three columns of popular search terms:

volkswagen golf	porsche cayenne	honda ridgeline
cadillac dts	acura rsx	pontiac gto
ford expedition	lincoln ls	bmw 320i
pontiac vibe	pontiac fiero	saab 900
chrysler 300	nissan pathfinder	ford crown victoria

At the bottom of the page, links for "Popular searches" (A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z) and "Main cities" (New York - Los Angeles - Chicago - Houston - Phoenix - Philadelphia - San Antonio - San Diego - Dallas - San Jose) are provided. Navigation links include "About Yakaz", "Get listed on Yakaz", "Tools", "Blog", and "Links". A footer section shows international flags and the copyright notice "© 2010 Yakaz".

Yakaz  USED CARS > PORSCHE IN BOSTON

Porsche in Boston

[Search Cars](#)

Search Everywhere

[Advanced search](#)
Specify the location

Price	\$30,000	\$40,000	\$50,000	\$70,000	\$200,000
Mileage	10,000 mi	40,000 mi	> 100,000 mi	Not specified	
Year	2003-2004	2007	After 2007		
Brand	porsche	audi			
Colour	black	white	silver	gray	
Fuel	gasoline				
Picture	pictures only				

Ads by Google

Porsche Of Boston

Porsche.SmartAutoSavings.com Get a great price on a new car at **Porsche Of Boston**.

Lamborghini

Kijiji.ca Buy/Sell Cars & Auto Parts Locally Free Classifieds at Kijiji Canada!

Porsche

www.Pfaff.porschedealer.com Visit Canada's **Porsche** Experts With Canada's Largest **Porsche** Inventory

Sort by : [relevance](#) | [price](#) | [date](#)

\$42,000

Email to a friend



Porsche 911, 182436 mi, 2003

Boston MA porsche 911 silver 2003 182436 mi abs
automatic power locks power windows cd player air
conditioning ...with black leather, never raced, heated
garage, no salt. annual porsche dealer service. full leather,
clear armor protection, crest embossed ...or dents, all
in 100% original condition. \$100000.00

22 classifieds

Exact [5mi](#) [10mi](#) [20mi](#) [50mi](#) [State](#) [US](#)



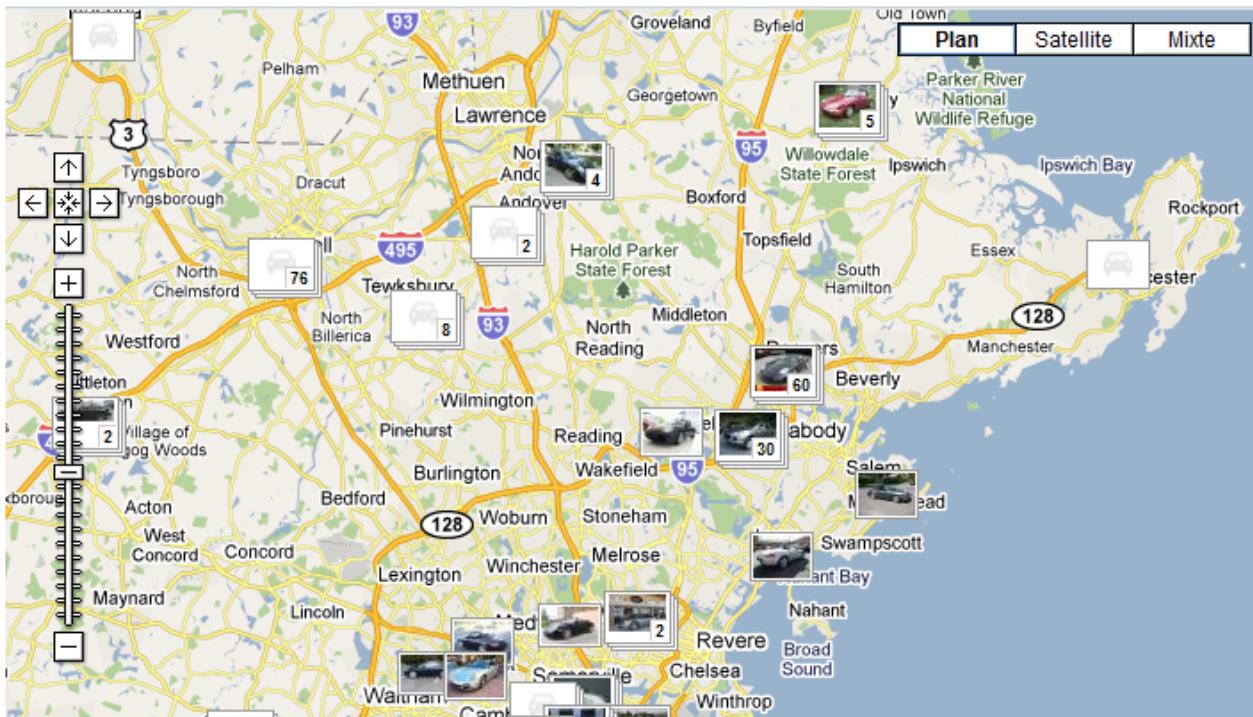
Porsche in Boston

[Search Cars](#)

[Search Everywhere](#)

[Advanced search](#)
[Specify the location](#)

Price	<u>\$30,000</u>	<u>\$40,000</u>	<u>\$50,000</u>	<u>\$70,000</u>	<u>\$200,000</u>
Mileage	<u>10,000 mi</u>	<u>40,000 mi</u>	<u>> 100,000 mi</u>	<u>Not specified</u>	
Year	<u>2003-2004</u>	<u>2007</u>	<u>After 2007</u>		
Brand	<u>porsche</u>	<u>audi</u>			
Colour	<u>black</u>	<u>white</u>	<u>silver</u>	<u>gray</u>	
Fuel	<u>gasoline</u>				
Picture	<u>pictures only</u>				



592 classifieds

[!\[\]\(ce237ddb5ff3b89b72a1fc1725b6e088_img.jpg\) List view](#) | [!\[\]\(3161fd543a5aedeba0d9c1a0649a89bd_img.jpg\) Gallery view](#)

Ads by Google

Porsche Of Boston

Boston area Porsche

models priced to sell.

Porsche.SmartAutoSavings.com

Lamborghini

Buy/Sell Cars & Auto Parts Locally
Free Classifieds at Kijiji Canada!

Kijiji.ca

Porsche

Visit Canada's Porsche Experts With
Canada's Largest Porsche Inventory
www.Pfaff.porschedealer.com

Foreseeable, near term

FUTURE SUCCESSES

Dbpedia, RDF triples

About: Pulp Fiction

An Entity in Data Space: dbpedia.org



Pulp Fiction est un film américain réalisé par Quentin Tarantino, sorti le 14 octobre 1994, et récompensé cette même année par une Palme d'or au Festival de Cannes.

Property	Value
dbpedia-owl:amgid	▪ 1:131235
dbpedia-owl:budget	▪ 8500000
dbpedia-owl:cinematography	▪ dbpedia:Andrzej_Sekula
dbpedia-owl:director	▪ dbpedia:Quentin_Tarantino
dbpedia-owl:distributor	▪ dbpedia:Miramax_Films
dbpedia-owl:editing	▪ dbpedia:Sally_Menke
dbpedia-owl:gross	▪ 107900000
dbpedia-owl:imdbid	▪ 0110912
dbpedia-owl:language	▪ dbpedia:English_language
dbpedia-owl:producer	▪ dbpedia:Lawrence_Bender
dbpedia-owl:releaseDate	▪ 1994-09-23 (xsd:date)
dbpedia-owl:runtimes	▪ 154
dbpedia-owl:starring	▪ dbpedia:Christopher_Walken ▪ dbpedia:John_Travolta ▪ dbpedia:Maria_de_Medeiros ▪ dbpedia:Amanda_Plummer ▪ dbpedia:Samuel_L._Jackson ▪ dbpedia:Rosanna_Arquette ▪ dbpedia:Ving_Rhames ▪ dbpedia:Bruce_Willis ▪ dbpedia:Harvey_Keitel ▪ dbpedia:Eric_Stoltz ▪ dbpedia:Uma_Thurman ▪ dbpedia:Tim_Roth
dbpedia-owl:writer	▪ dbpedia:Quentin_Tarantino ▪ dbpedia:Roger_Avary
dbpprop:abstract	▪ Pulp Fiction (1994) is an American crime film directed by Quentin Tarantino, who cowrote its screenplay with Roger Avary. The film is known for its rich, eclectic dialogue, ironic mix of humor and violence, nonlinear storyline, and host of cinematic and pop culture references. The film was nominated for seven Oscars, including Best Picture; Tarantino and Avary won for Best Original Screenplay. It was also awarded the Palme d'Or at the Cannes Film Festival. A major commercial success, it revitalized the career of its leading man, John Travolta, who received an Academy Award nomination, as did costars Samuel L. Jackson and Uma Thurman. The film's title refers to the pulp magazines and hardboiled crime novels popular during the mid-20th century, known for their graphic violence and punchy dialogue. Pulp Fiction is self-referential from its opening moments, beginning with a title card that gives two dictionary definitions of "pulp". The plot, in keeping with most of Tarantino's other works, is presented out of chronological sequence. The picture's self-reflexivity, unconventional structure, and extensive use of homage and pastiche have led critics to describe it as a prime example of postmodern film. Pulp Fiction is viewed as the inspiration for many later movies that adopted various elements of its style. The nature of its development, marketing, and distribution and its consequent profitability had a sweeping effect on the field of independent cinema. A cultural watershed, Pulp Fiction's influence has been felt in several other popular media. ▪ Pulp Fiction er en amerikansk film fra 1994, instrueret af Quentin Tarantino. Pulp Fiction blev en enorm publikumssucces, måske fordi den på mange måder var en banebrydende film på grund af sin blanding af rå vold og hurtig, humoristisk og til tider absurd dialog, samt mængder af referencer til popkultur. Historien i Pulp Fiction blander flere forskellige handlingsforløb, og er bemærkelsesværdigt ved at handlingsforløbet ikke er kronologisk fremadskridende, men flere gange springer i tid. Pulp Fiction blev et stort comeback til John Travolta, som blev nomineret til en Oscar for bedste mandlige hovedrolle, mens to af filmens medvirkende, Samuel L. Jackson og Uma Thurman, blev nomineret til hhv. bedste mandlige og kvindelige birolle. I alt blev Pulp Fiction nomineret til syv Oscars i 1994. Quentin Tarantino og Roger Avary fik prisen for bedste originalmanuskript. Ved Filmfestivalen i Cannes vandt filmen Den Guldne Palme.

Wikipedia InfoBoxes

```
 {{Infobox Town AT |
  name = Innsbruck |
  image_coa = InnsbruckWappen.png |
  image_map = Karte-tirol-I.png |
  state = [[Tyrol]] |
  regbkz = [[Statutory city]] |
  population = 117,342 |
  population_as_of = 2006 |
  pop_dens = 1,119 |
  area = 104.91 |
  elevation = 574 |
  lat_deg = 47 |
  lat_min = 16 |
  lat_hem = N |
  lon_deg = 11 |
  lon_min = 23 |
  lon_hem = E |
  postal_code = 6010-6080 |
  area_code = 0512 |
  licence = I |
  mayor = Hilde Zach |
  website = [http://innsbruck.at] |
})}
```

Innsbruck	
	
Country	Austria
State	Tyrol
Administrative region	Statutory city
Population	117,342 (2006)
Area	104.91 km ²
Population density	1,119 /km ²
Elevation	574 m
Coordinates	47°16' N 11°23' E edit
Postal code	6010-6080
Area code	0512
Licence plate code	I
Mayor	Hilde Zach
Website	www.innsbruck.at edit

Implicit tables

1	What's Opera Doc	Warner Bros	1957
2	Duck Amuck	Warner Bros	1953
3	The Band Concert	Disney	1935
4.	Duck Dodgers in the 24 1/2th Century	(Warner Bros)	1953
5	One Froggy Evening	Warner Bros	1956
6	Gertie The Dinosaur	McCay	
7	Red Hot Riding Hood	MGM	1943
8	Porky In Wackyland	Warner Bros	1938
9	Gerald McBoing Boing	UPA	1951
10	King-Size Canary	MGM	1947
11	Three Little Pigs	Disney	1933
12	Rabbit of Seville	Warner Bros	1950
13	Steamboat Willie	Disney	1928
14	The Old Mill	Disney	1937
15	Bad Luck Blackie (MGM)		1949
16	The Great Piggy Bank Robbery	Warner Bros	1946
17	Popeye the Sailor Meets Sinbad the Sailor	Fleischer	1936

(a) After independent splitting phase

1	What's Opera Doc	Warner Bros	1957
2	Duck Amuck	Warner Bros	1953
3	The Band Concert	Disney	1935
4.	Duck Dodgers in the 24 1/2th Century	(Warner Bros)	1953
5	One Froggy Evening	Warner Bros	1956
6	Gertie The Dinosaur	McCay	
7	Red Hot Riding Hood	MGM	1943
8	Porky In Wackyland	Warner Bros	1938
9	Gerald McBoing Boing	UPA	1951
10	King-Size Canary	MGM	1947
11	Three Little Pigs	Disney	1933
12	Rabbit of Seville	Warner Bros	1950
13	Steamboat Willie	Disney	1928
14	The Old Mill	Disney	1937
15	Bad Luck Blackie (MGM)		1949
16	The Great Piggy Bank Robbery	Warner Bros	1946
17.	Popeye the Sailor Meets Sinbad the Sailor	Fleischer	1936

(b) After re-splitting records given the number of columns

1	What's Opera Doc	Warner Bros	1957
2	Duck Amuck	Warner Bros	1953
3	The Band Concert	Disney	1935
4.	Duck Dodgers in the 24 1/2th Century	(Warner Bros)	1953
5	One Froggy Evening	Warner Bros	1956
6	Gertie The Dinosaur	McCay	
7	Red Hot Riding Hood	MGM	1943
8	Porky In Wackyland	Warner Bros	1938
9	Gerald McBoing Boing	UPA	1951
10	King-Size Canary	MGM	1947
11	Three Little Pigs	Disney	1933
12	Rabbit of Seville	Warner Bros	1950
13	Steamboat Willie	Disney	1928
14	The Old Mill	Disney	1937
15	Bad Luck Blackie (MGM)		1949
16	The Great Piggy Bank Robbery	Warner Bros	1946
17.	Popeye the Sailor Meets Sinbad the Sailor	Fleischer	1936

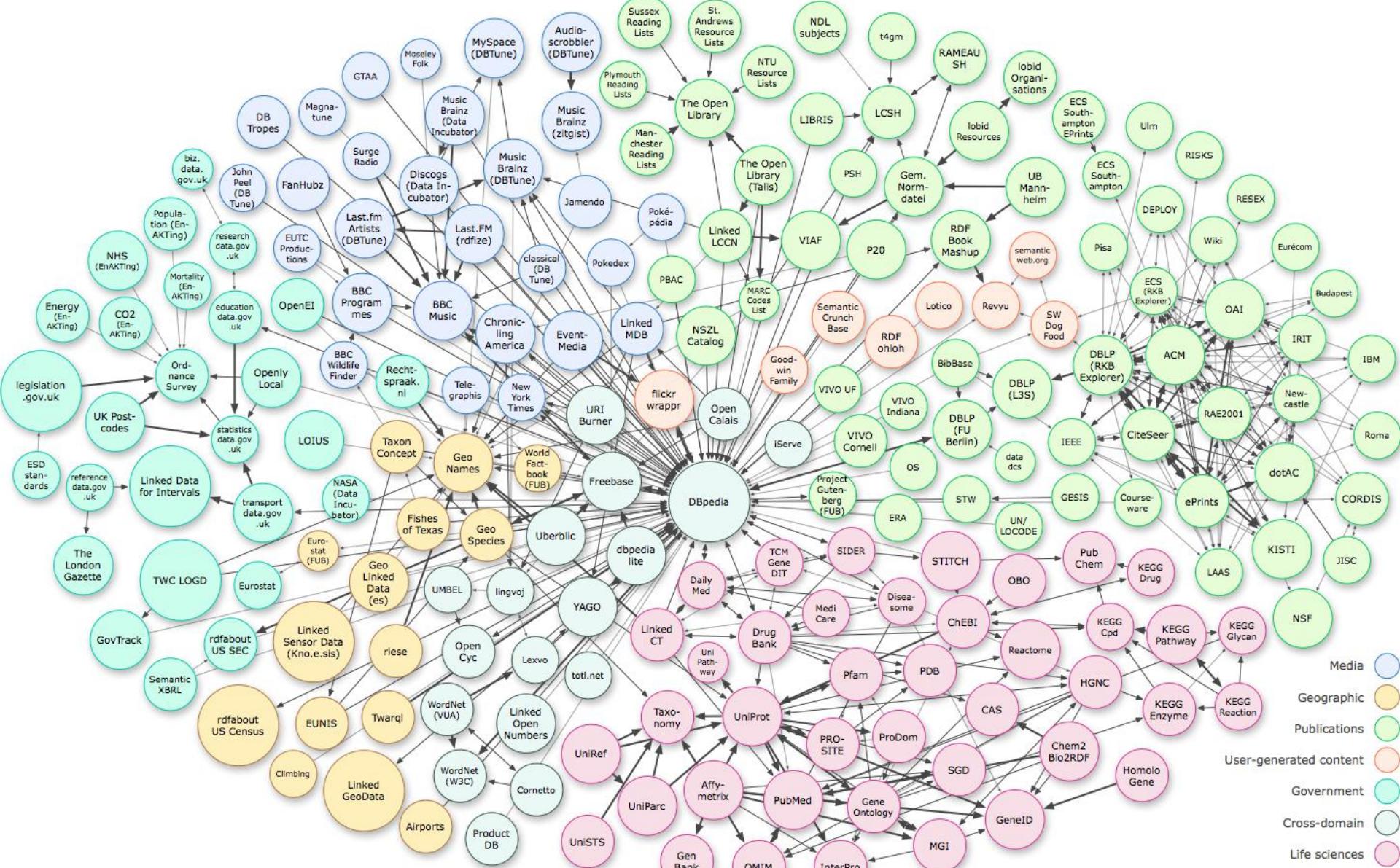
(c) After alignment phase (initial table T_1)

Figure 3: Applying the LISTEXTRACT technique on the cartoons list in Figure 1.

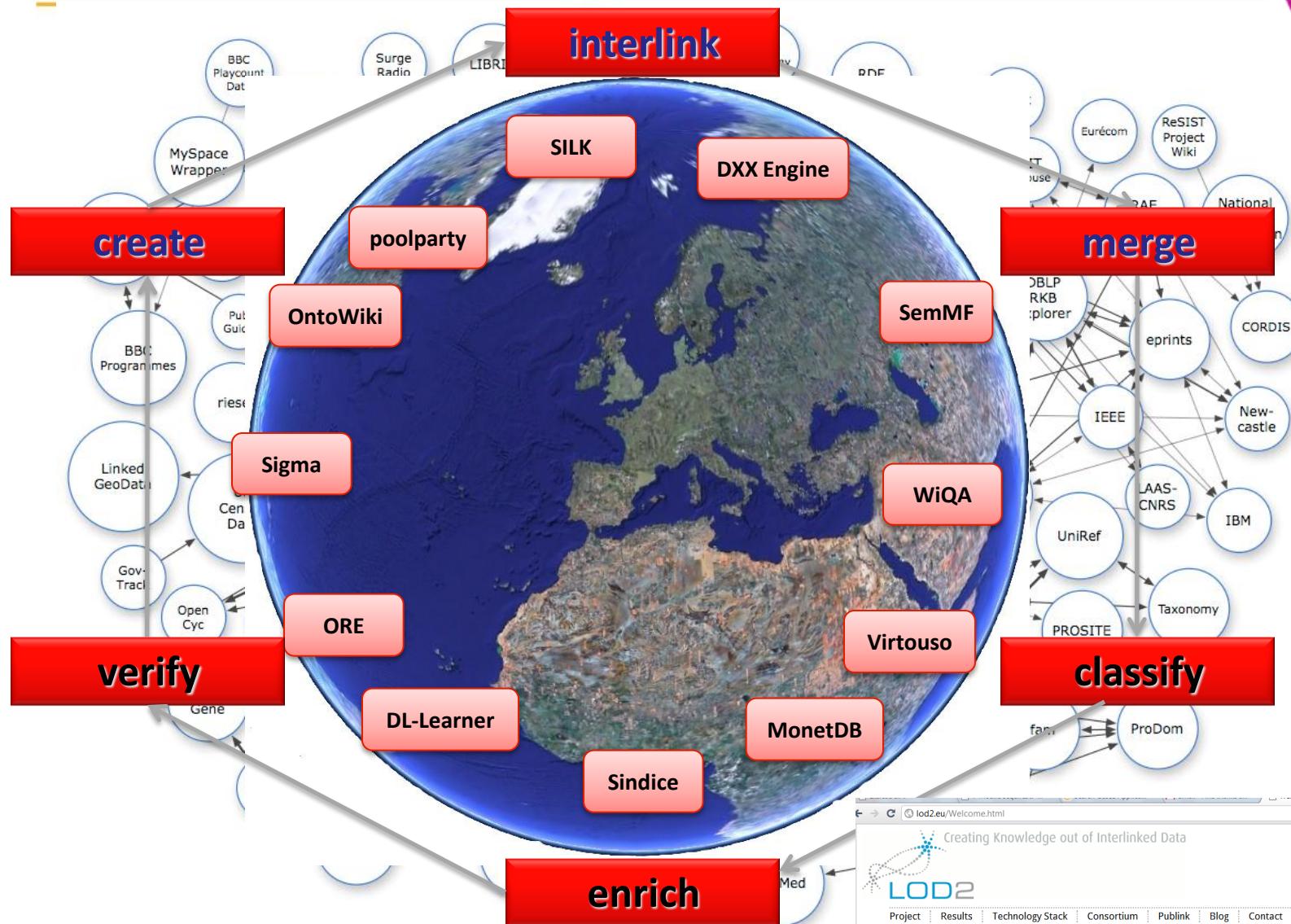
1	What's Opera Doc	Warner Bros	1957
2	Duck Amuck	Warner Bros	1953
3	The Band Concert	Disney	1935
4.	Duck Dodgers in the 24 1/2th Century	(Warner Bros)	1953
5	One Froggy Evening	Warner Bros	1956
6	Gertie The Dinosaur	McCay	
7	Red Hot Riding Hood	MGM	1943
8	Porky In Wackyland	Warner Bros	1938
9	Gerald McBoing Boing	UPA	1951
10	King-Size Canary	MGM	1947
11	Three Little Pigs	Disney	1933
12	Rabbit of Seville	Warner Bros	1950
13	Steamboat Willie	Disney	1928
14	The Old Mill	Disney	1937
15	Bad Luck Blackie	MGM	1949
16	The Great Piggy Bank Robbery	Warner Bros	1946
17	Popeye the Sailor Meets Sinbad the Sailor	(Fleischer)	1936

(d) After refinement phase (final table T)

Linked Open Data Cloud



LOD² turns linked data into knowledge



Creating Knowledge out of Interlinked Data

LOD2

Project | Results | Technology Stack | Consortium | Publink | Blog | Contact

WELCOME

11.10.2010 - LOD2 project organises Linked (Enterprise) Data Track @ ESTC2010 ↗

The 4th European Semantic Technology Conference 2010 (ESTC 2010) will take place in Vienna, Austria from 2nd to 3rd of December 2010. The STI International asked the LOD2 project consortium to organise a Linked (Enterprise) Data track / workshop on this years conference. Although it is still very early in the LOD2 project lifetime (as ... Continue reading... [read ↗](#)

TESTIMONIALS

Andreas Blumauer (Semantic Web Company, CEO) ↗

15 years ago we all were excited when we published HTML for the first time and it didn't

Challenge : searching ad hoc, idiosyncratic spaces



<http://www.imrc.kist.re.kr/wiki/LifeLog>

Microsoft SenseCam



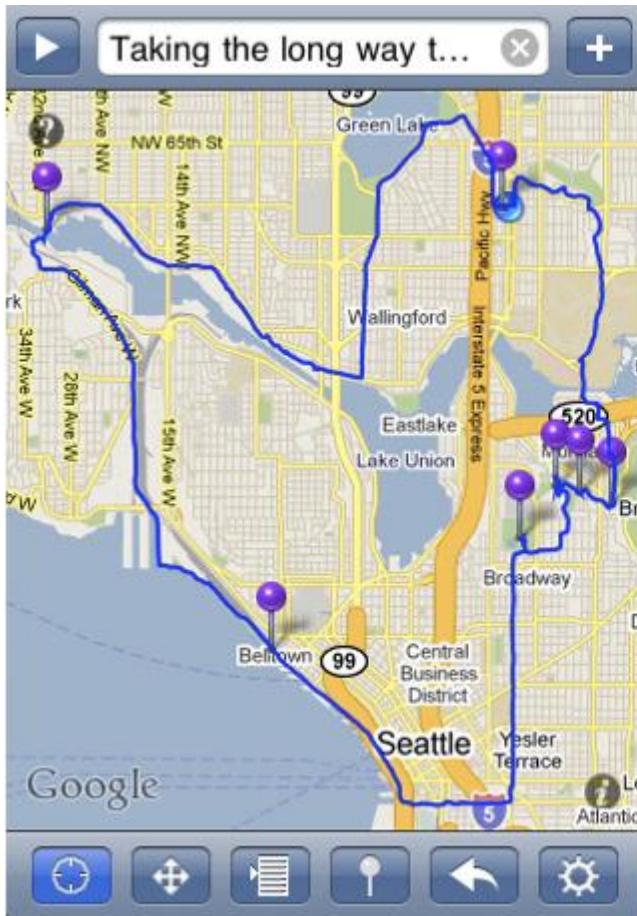
<http://research.microsoft.com/en-us/um/cambridge/projects/sensecam/>

<http://justgetthere.us/blog/plugin/tag/cameras>



<http://gadgets.infoniac.com/head-worn-camera-for-special-events.html>

Bike My Way



Insta Mapper

Jarel's iPhone



Click on positions to select track endpoints and to see other options.

2010-03-11 01:28:59	2663 ft	0 mph
2010-03-11 01:30:01	2663 ft	0 mph
2010-03-11 01:31:02	2663 ft	0 mph
2010-03-11 01:32:03	2663 ft	0 mph
2010-03-11 01:33:05	2663 ft	0 mph
2010-03-11 01:34:11	2663 ft	0 mph
2010-03-11 01:35:12	2663 ft	0 mph
2010-03-11 01:36:13	2663 ft	0 mph
2010-03-11 01:37:13	2663 ft	0 mph
2010-03-11 01:38:16	2663 ft	0 mph
2010-03-11 01:39:21	2663 ft	0 mph
2010-03-11 01:40:25	2663 ft	0 mph
2010-03-11 01:41:29	2663 ft	0 mph
2010-03-11 01:42:31	2663 ft	0 mph
2010-03-11 01:43:32	2663 ft	0 mph
Trip boundary		
2010-03-11 07:07:56	2627 ft	0 mph
2010-03-11 07:27:59	236 ft	0 mph
2010-03-11 07:28:31	2926 ft	0 mph
2010-03-11 07:28:40	2926 ft	0 mph
2010-03-11 07:36:00	2903 ft	0 mph
2010-03-11 07:37:01	2857 ft	0 mph
2010-03-11 07:38:01	2857 ft	0 mph
2010-03-11 07:39:01	2857 ft	0 mph
2010-03-11 07:40:02	2857 ft	0 mph
2010-03-11 07:41:02	2857 ft	0 mph
2010-03-11 07:42:03	2857 ft	0 mph
2010-03-11 07:43:03	2857 ft	0 mph
2010-03-11 07:44:04	2857 ft	0 mph
2010-03-11 07:45:04	2857 ft	0 mph
2010-03-11 07:46:04	2857 ft	0 mph

Mar 11 2010 Go

Challenge : searching ad hoc, idiosyncratic spaces



Hui Yang and Jamie Callan. A Metric-based Framework for Automatic Taxonomy Induction. In Proceedings of the 47th Annual Meeting of the Association for Computational Linguistics (ACL2009), Singapore. Aug 2-7, 2009

<http://www.imrc.kist.re.kr/wiki/LifeLog>

Conclusions

- **Semantics**
 - What is this? Are these the same? Who does what to whom?
- **Search Engines now handle rich semantics**
 - Search based applications, between DB and IR
- **Semantic Research**
 - Successful transfer to industry
- **Near Future**
 - Integration crowd source knowledge Wikipedia
 - Linked open data

www.3ds.com

Thank you