

(Technical Aspects of)
Harvesting Data from Social Network Sites

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European Academy of Bozen/Bolzano
(EURAC)

EURAC
research

February 14th, 2013

“The Researchers' Night is a mega event taking place every year on a single September night in about 300 cities all over Europe.”

Why

(Among other things) to see what researchers really do and why it matters for our daily life.

What

Different events offer a wide variety of fun-learning activities, e.g.

- behind-the-scenes guided tours of research labs (that are normally closed to the public),
- interactive science shows, and
- hands-on experiments or workshops.

Europa - Researchers' x http://www.langenach x f LJUNA | Facebook x https://twitter.com/Noi x

ec.europa.eu/research/researchersnight/events_en.htm

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RESEARCH AND INNOVATION

Researchers' Night 2012

European Commission > Research & Innovation > Researchers' Night 2012 > Events

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- LATVIA
- LITHUANIA

Looking for things to do on Friday, 28 September 2012?

Interested in some fun learning – with your family, school or friends – through an engaging science show?

Then don't miss this year's Researchers' Night events!

From the **events guide** on the right, choose among about **300 cities all over Europe** to find a science show that appeals to you most.

The events offer a wide variety of fun-learning activities, from **behind-the-scenes guided tours** of research labs that are normally closed to the public, through **interactive science shows, to hands-on experiments or workshops**.

See you there!



Last updated: 31/08/2012 17:00

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RESEARCH AND INNOVATION
Researchers' Night 2012

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RESEARCH AND INNOVATION
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RESEARCH AND INNOVATION
 Researchers' Night 2012

Italia / Italy

- [Albenga](#)
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- [Palermo](#)
- [Pavia](#)
- [Pisa](#)
- [Reggio Calabria](#)
- [Roma \(LIGHT' 12\)](#)
- [Roma \(RESPECT\)](#)
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Europa - Researchers x LUNA - Die Lange Nach x LUNA | Facebook x NotteDeRiceratori (1) x

www.langenachtderforschung.it

**LUNGA NOTTE DELLA RICERCA BOLZANO
LANGE NACHT DER FORSCHUNG BOZEN**
28.09.2012

startseite food & music wettbewerb vip lounge foto gallery 2012 Deutsch Italiano

>> startseite

LUNA - Die Lange Nacht der Forschung 3.0

Was für eine Nacht!!! 13.000 Besucher holten sich den Energiekick bei der LUNA 3.0



Pythagoras war davon überzeugt, die Besucher der Langen Nacht der Forschung scheinen es auch zu sein: drei ist die perfekte Zahl. Die dritte Ausgabe der Langen Nacht der Forschung schlägt alle bisherigen Rekorde und ist das bislang größte Wissenschafts-Event in Südtirol: 13.000 große und kleine Besucher waren am 28. September zwischen 17 Uhr und Mitternacht in Sachen Forschung unterwegs, haben 118 interaktive Stationen an 16 verschiedenen Standorten – von Kardaun bis zum Felsenkeller der Laimburg - besucht.

[Findet heraus, wer die tollen Preise gewonnen hat!](#)

Verbinden Drucken

europian researchers' night



LUNA ist Teil der Europäischen Nacht der Forscher

innovation festival



wettbewerb - mach mit!

Preise/Premi

1. Mac Book Pro
13" 2.5GHz i5 4GB/500GB/
www.langenachtderforschung.it

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28.09.2012

LUNGA NOTTE DELLA RICERCA BOLZANO
LANGE NACHT DER FORSCHUNG BOZEN

LUNA
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Community
Once again, Bolzano's researchers are opening their doors to the public. On the evening of Friday September 28th, you're invited to participate in fascinating scientific experiments and activities thanks to LUNA 2012, the long night of research.

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386



Highlights ▾

Recent Posts by Others on LUNA [See All](#)

Marco Tim
You already have our "I like" I leave our page and invite y...
November 9, 2012 at 5:58pm

Stefano Scodro
sono usciti i risultati del concorso?
October 6, 2012 at 4:26am

Aldo Baglio
Solvo a tutti! Conoscimenti per Disiplinat e Innovazione

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Non-Profit Organization [Like](#)

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Innovation Festival Bolzano Bozen
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LA NOTTE DEI RICERCATORI

Trento - 28 settembre
www.nottedeiricerca.it

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@NotteRicercaTN
Trento, Italy · http://events.unitn.it/notteiricercator2011

144 TWEETS 0 FOLLOWING 31 FOLLOWERS

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- NotteDeiRiceratori** @NotteRicercaTN · 28 Nov
In aula 7 sta per partire la Microconferenza su La ricerca in Trentino. Stato dell'arte e prospettive: dibattito con i protagonisti
Expand
- NotteDeiRiceratori** @NotteRicercaTN · 24 Oct
Le foto dell'edizione 2012 sono online! Hai anche tu qualche scatto della Notte? Condividilo con noi
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Ho pubblicato 11 foto su Facebook nell'album "Microconferenze per tutti i gusti" fb.me/1wxGf0EjK
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Ho pubblicato 56 foto su Facebook nell'album "fb.me/1mBo9YRUJ
Expand
- NotteDeiRiceratori** @NotteRicercaTN · 24 Oct
Ho pubblicato 8 foto su Facebook nell'album "Lo stand di Apsa" fb.me/166HuiTo2

Goal

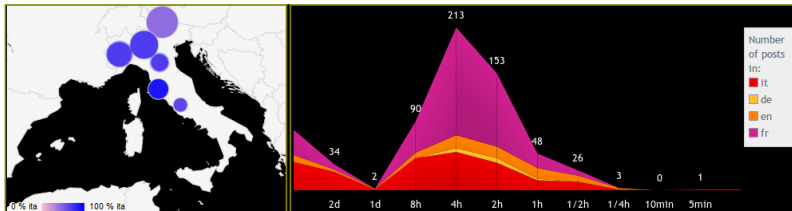
We wanted to show how *HLT* researchers

- process,
- analyse, and
- visualise data.

Means

To this end, we

- collected text snippets (FB Messages, Twitter Tweets) from parties participating in the Researchers' Night 2012,
- processed the data (added Language ID, and POS tags),
- analysed the data (extracted POS distributions, and identified salient terms), and
- used the data for visualisation.



[23:26:16][it][foobarbarr1] servus wie gehts

[23:27:41][it][incoo] ottima idea , continuate all'infinito

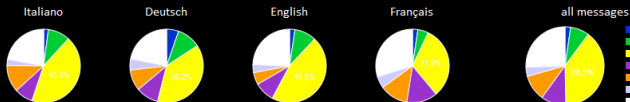
[23:33:17][en][foobarbarr1] the kryostasis thingythings round the corner are a blast !

[23:53:56][it][shinetoscana] A Pisa , tutti gli eventi con tantissima gente . A la Limonaia lunghe file agli stand per " toccare " con mano alcune ... http://t.co/ GejYWtD7

[23:57:30][it][shinetoscana] A Pisa tutte le iniziative con un grande successo di pubblico : lunghe file agli stand dei laboratori per " toccare ... http://t.co/vPFClp1z

LEGEND: Adverb, Adjective, Noun, Verb, Determiner, Pronoun, Other

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 MEETmeTONIGHTricerca aggiunto
 notte Città Di Piazza foto Pisa Milano Toscana
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 pubblicato Un Shine playlist preferiti Music mondo
 Bolzano album domani città sarà Firenze proposte ai
 Festival Palazzo Settembre parla evento Ecco nn progetto science
 ROMA programma Domani Ricerca aiuani Ueidea scena suOcorQkck



Cf. <https://bitbucket.org/commul/luna3-www/>, <https://bitbucket.org/commul/luna3-ws/>

Technical Means

We collected data from

- Facebook (messages) and Twitter (tweets),
- parties participating in the Researchers' Night 2012,
- people posting 'in the vicinity' of the city Bolzano,
- initially, in an asynchronous, and then, a synchronous way.

We used

- the Compact Language Detector embedded in Google's Chromium browser for language identification,
- the IMS TreeTagger for POS tagging, and
- the WaCky corpora (i.e. frequency lists) for detecting salient words.
- Finally, we used readily available (mostly Google Chart) tools for visualisation.

Twitter and Facebook APIs

- The documentation of (and the discussions about) APIs were in dis-synchronisation with the 'current' version of the API.
- We encountered difficulties in 'following too many users' at the same time (+ vicinity restrictions).

World Wide Web 2.0

The term "Web 2.0" was coined in January 1999 by Darcy DiNucci, a consultant on electronic information design (information architecture). In her article, "Fragmented Future", DiNucci writes:

The Web we know now, which loads into a browser window in essentially static screenfuls, is only an embryo of the Web to come. The first glimmerings of Web 2.0 are beginning to appear, and we are just starting to see how that embryo might develop. The Web will be understood not as screenfuls of text and graphics but as a transport mechanism, the ether through which interactivity happens. It will [...] appear on your computer screen, [...] on your TV set [...] your car dashboard [...] your cell phone [...] hand-held game machines [...] maybe even your microwave oven."

It used to be Search Engines I

In 2003 Adam Kilgarriff and Gregory Grefenstette put it like this:

The default means of access to the Web is through a search engine such as Google. Although the Web search engines are dazzlingly efficient pieces of technology and excellent at the task they set for themselves, for the linguist they are frustrating wrt. for example

- maximum number of queries,
- syntactic restrictions on formulating queries,
- obscure(d) selection criteria of results, and
- obscure(d) result figures.

Well, then download the pages (i.e. the former results)

but then, you're in the business of web-page cleaning. . .

It used to be Search Engines II

...and in 2007 Adam Kilgarriff:

Working with commercial search engines makes us develop workarounds. We become experts in the syntax and constraints of Google, Yahoo, Altavista, and so on. We become 'googleologists'. The argument that the commercial search engines provide low-cost access to the Web fades as we realize how much of our time is devoted to working with and against the constraints that the search engines impose.