# Open SCIENCE in the digital humanities

## Boostcamp Open Science Leuven
## 24 October 2014

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# Erik Duval's Weblog

About

## Something cannot be bad when it's open – or not for a very long time…

Openness is a recurring theme in much of what I do.

But let me first make clear that openness is not the only thing that matters: I do not believe that open bad courses are better than closed good courses, or that open source software or content is always better than closed source content or software. In fact, I worry sometimes that open advocates use the openness of their content or software as an excuse for not making it better: 'this tool may be difficult to use, but you should use it nevertheless, rather than the tool you are currently using, and which works better for you, because it is open' – as if there were some sort of moral imperative to suffer for using Open Stuff.

http://erikduval.wordpress.com/2013/06/07/something-cannot-be-bad-when-its-open-or-not-for-a-very-long-time/

# Introducing the Open Scholar

The Open Scholar, as I'm defining this person, is not simply someone who agrees to allow free access and reuse of his or her traditional scholarly articles and books; no, the Open Scholar is someone who makes their intellectual projects and processes digitally visible and who invites and encourages ongoing criticism of their work and secondary uses of any or all parts of it--at any stage of its development.

http://www.academicevolution.com/2009/08/the-open-scholar.html

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# Chi 2014

This is the wiki of my course on Human-Computer Interaction ⧉. The course starts on 17 February 2014 and lasts until May...

**Contents** [hide]

## Groups

Learning Dashboard is available at http://ariadne.cs.kuleuven.be/LARAe/ ⧉

| Group name | Group members | | | Blog url | Project |
|---|---|---|---|---|---|
| anarCHI | Herbert Beraldo | Matthias Moulin | Ruben Pieters | http://anarchikul.wordpress.com/ ⧉ | https://play.google.com/store/apps/details?id=com.frigoshare 🔒 |
| MatUI | Adriaan Callaerts | Maarten Jacobs | Tim Vansteenkiste-Muylle | http://matui14.wordpress.com/ ⧉ | |
| Top Dog | Dieter Castel | Jonas Devlieghere | Stefan Pante | https://medium.com/top-dog-chikul14 🔒 | http://adify.be ⧉ |
| | | | | | https://play.google.com/store |

**Page** | Discussion

Read | View source | View history

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# OPEN Analytics

Show user: All ⇕   Show module: All ⇕

# chikul14

| Name | posted [sort] | commented [sort] | tweeted [sort] | retweeted [sort] |
|---|---|---|---|---|

**MatUI**
Adriaan Callaerts
Maarten Jacobs
Tim Vansteenkiste-Muylle

posted: 13 6 15 3 20 / 19 12 3 5 4 / ● ● ●
commented: 13 18 16 13 13 / 16 17 6 6 3 / 3 15 14 8 2 / 14 12 14 20 20 / 8 3 8 20 20 / 20 20 20 15 15 / 15 11 12 12 3 / 7 11 3 3 4

**AlfaChiOmega**
Jonas Flament
Dries Verreydt

posted: 4 7 6 9 8 / 2 9 11 4 3 / 9 6
commented: 4 13 13 18 16 / 9 11 4 9 7 / 8 15 14 15 9 / 8 5 11 14 14 / 14 12 12 9 9 / 9 14 14 5 1 / 7 3 6 6 4 / 4

**DSMInterfaces**
Stef Noten
Michiel Ruelens
Dieter Naten

posted: 16 ● 7 9 6 / 10 14 2 8 8 / 11 6 1 5 ● / ● ● ●
commented: 13 16 18 7 11 / 17 16 16 16 16 / 16 16 9 9 14 / 10 10 15 18 15 / 19 14 12 7 20

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*on Wed Feb 19 2014 12:16:17 GMT+0100 (CET)*

*As an introduction to the course on Human Computer Interaction, students were divided into groups of 3. Every group reviewed the interface of Feedly. Feedly is an RSS reader that can be accessed via a web-page or multiple mobile apps. We reviewed the web interface and found some interesting issues…*

## Flickering sidebar

Upon entering the website, we immediately discovered an annoying feature. The main menu is hidden, and only shown when moving the cursor to the left side of the screen. When moving the cursor out of the menu, it disappears. Apart from 3 small lines, there is no real indication where to find the menu. Only an experienced user would recognize the 3-stripe symbol.



http://ariadne.cs.kuleuven.be/LARAe/
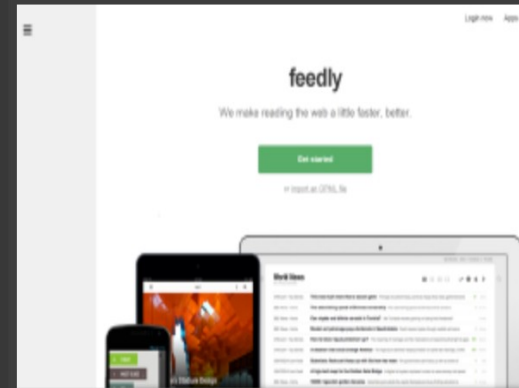
# OPEN ACCREDITATION

Charleer, S., Klerkx, J., Santos, J. L., & Duval, E. Improving awareness and reflection through collaborative, interactive visualizations of badges. In Proceedings of the 3rd Workshop on Awareness and Reflection in Technology-Enhanced Learning, pages 69-81. CEUR Workshop Proceedings, 2013
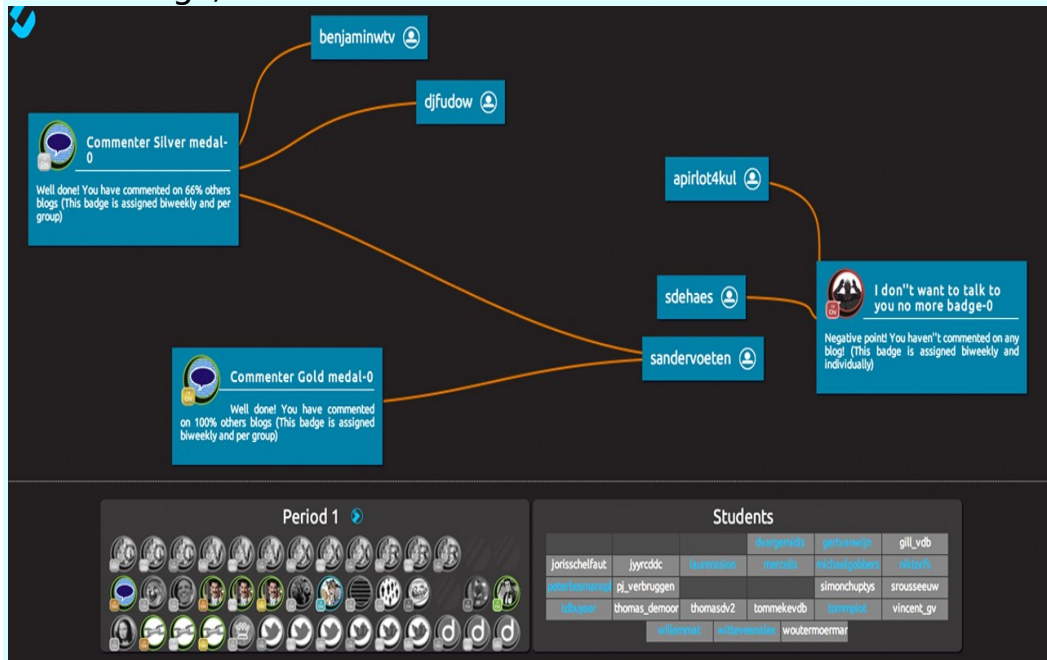






ARTEL 2013

# OPEN DATA

## dataTEL – EATEL SIG on Data-driven Research and Learning Analytics

### dataTEL
**Powered by STELLAR**
network of excellence
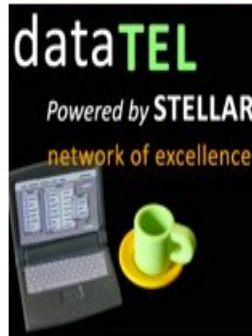
**Owner:** Hendrik Drachsler
Group members: 91

**Join group**

http://bit.ly/datatel

The growth of data in the knowledge society creates opportunities for new insights through advanced analysis methods based on information retrieval technologies. Educational institutions also create and own huge datasets on their students and course activities. But they make little use of the data when considering new educational services, recommending suitable peers or content, and improving the personalization of learning.

The SIG dataTEL aims to address these issues by advancing data-driven research to gain verifiable and valid results and to develop a body of knowledge about the personalization of learning. It builds upon the positive outcomes of the dataTEL Theme Team funded by the STELLAR Network of Excellence. It's intentions are to foster the cooperation between different Learning Analytics research units and to act as their representative to other relevant communities.

Therefore, its main objectives are:

**Networking:**

- Fostering of a research network on educational dataset driven research
- Improving the exchange with relevant research communities
- Representing dataTEL researchers to promote the release of open datasets from educational providers

**Privacy and Ethics:**

- Contributing to policies on ethical implications (privacy and legal protection rights)

# RecSysTEL 2010
## Workshop on Recommender Systems for Technology Enhanced Learning

Organised jointly by
4th ACM Conference on Recommender Systems (RecSys 2010)
5th European Conference on Technology Enhanced Learning (EC-TEL 2010)

Barcelona, Spain, 29-30 September 2010

## Datatel Challenge

In the world of recommender systems, it is a common practice to use public available datasets from different application environments (e.g. MovieLens, Book-Crossing, or EachMovie) in order to evaluate recommendation algorithms. These datasets are used as benchmarks to develop new recommendation algorithms and compare them to other algorithms in given settings.

In such data sets, a representation of implicit or explicit feedback from the users regarding the candidate items is stored, in order to allow the recommender system to produce a recommendation. This feedback can be in several forms. For example, in the case of collaborative filtering systems it can be ratings or votes (i.e. if an item has been viewed or bookmarked). In the case of content-based recommenders, it can be product reviews or simple tags (keywords) that users provide for items. Additional information is also required such a unique way to identify who provides this feedback (user ID) and upon which item (item ID). The user-rating matrix used in collaborative filtering systems is a well-known example.

Although recommender systems are increasingly applied in Technology Enhanced Learning (TEL), it is still an application area that lacks such publicly available and interoperable data sets. So although there is a lot of research conducted on recommender systems in TEL, they lack data sets that would allow the experimental evaluation of the performance of different recommendation algorithms using comparable, interoperable, and reusable data sets. This leads to awkward experimentation and testing such as using

# Mendeley's DataTEL Data Set

Mendeley has taken up the DataTEL challenge in order to provide recommendation system researchers with valuable data on users and their relationship with scientific literature.

Mendeley has and continues to build a strong user community of researchers who benefit from both its desktop and web-based software. In building its community, Mendeley has recorded a considerable amount of data that can be analyzed in order to support researchers to do better research.

One key area in which researchers are helped is by providing them with recommendations on research articles that they have not yet encountered but would be interested in. Recommendation system research, while being well studied in some domains, such as motion pictures, lacks the kind of scientific data sets that Mendeley has been building.

This particular data set includes usage data from more than 4.8M research papers selected from a sample size of 50K active users. It is described in full in the accompanying paper 'Mendeley's Reply to the DataTEL Challenge'. The data set has been made anonymous to protect user privacy and can only be used for non-commercial scientific purposes.

To obtain this data set, please write to **datachallenge@mendeley.com** and include the following information. The approval process is fairly easy, but we do require this information in case we need to contact you. All points are required:

- Your name and any other colleagues working with the dataset.
- Institutional affiliation
- Address information where we can contact you.
- A phone number where we may reach you.

## Terms and Conditions

By downloading the Mendeley DataTel dataset ("Dataset") you hereby agree to the following terms and conditions with Mendeley.com ("Mendeley"):

# Recommender Systems Challenge 2012
## Dublin, Ireland 13th September 2012
### in conjunction with ACM RecSys

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## RecSys Challenge 2012

The Workshop of the Recommender Systems Challenge of ACM RecSys 2012 (RecSysChallenge 2012) will take place as a full-day workshop on Thursday September 13th and will run as **an interactive and hands-on workshop** during which participants will be guided through the whole process of participating in such a challenge. Taking as examples the datasets that drove the contest of this year's challenge (with data from the Moviepilot and Mendeley platforms), we want to present, discuss and reflect on all the important steps of developing, testing and deploying recommendation algorithms over a real-life dataset – starting from acquiring and processing the dataset, and ending to performing an evaluation that will produce results comparable and reproducable by others.

RecSysChallenge 2012 generally focuses on how researchers and developers may use datasets from existing real-life systems in order to develop, simulate, benchmark and deploy their recommendation algorithms and services. It invited interested research and development groups to work with two real datasets in order to experiment with different types of recommendation approaches: a dataset from the Moviepilot.com platform was made available for the Benchmarking Track on Context-Aware Movie Recommendation (**CAMRa**), whereas a dataset from the Mendeley.com platform supported the Exploratory Track on Scientific Paper Recommendation (**ScienceRec**).

### tweets

Wen K. Luo, an undergrad at the State University of New York at Buffalo, slides into 1st place in #recsys challenge! https://t.co /g2ynjYa4mS 11:20:41 PM May 20, 2013 from web

Added clarification to the #RecSys challenge: Workshop participation is independent of the contest: participate in either (or both!) 11:14:04 PM May 20, 2013 from web

RT @sidooms: Histogram of reviews for all users. I

http://recsys.acm.org/2012/

# In summary

- Open content

- Open learning

- Open analytics

- Open accreditation

- Open data

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# Ensuring the Future: Open Culture

- Creative Commons Licenses without commercial restrictions

- Independence from the interface

- Educating academics

- Engaging the general public

- Making Open Culture sustainable

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# CC Without Commercial Restrictions

- It truly ensures the long-term survival of the data:

- by allowing its modification in any context

- by permitting derivative works

- by encouraging commercial

# Independence of the Interface

- Raw data deposited in institutional repositories

- Made truly available to anyone for any purposes

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# Educating academics

- Highlighting benefits

- Developing reliable versioning systems

- Encouraging a culture of acknowledgment

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# Engaging the General Public

- Through participative projects (crowdsourcing)

- By developing products with practical uses

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# Making Open Culture Sustainable

- Thinking of ways in which commercial entities can take advantage of the raw data

- Encouraging data use for both commercial and non-commercial projects

- Remember "Information wants to be free" refers to "free" as in "freedom," not "free" as in "gratis."

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wordnik   All the words.   Learn more.

wordnik

Look up any word or phrase...

I ALWAYS FEEL LUCKY

**Company**
About Reverb
About Wordnik
Press
Team
Jobs
Colophon

**News**
Blog
Word of the day
Community
@wordnik

**Dev**
API
@ReverbforDevs
#wordnik on IRC
github.com/wordnik

**Et Cetera**
Feedback
Terms
Privacy
Random word
Advanced Search
Have a blog?

**The Reverb App**
Reverb is a completely new way to discover the stories you want to read.
Try it today for free.

Available on the App Store
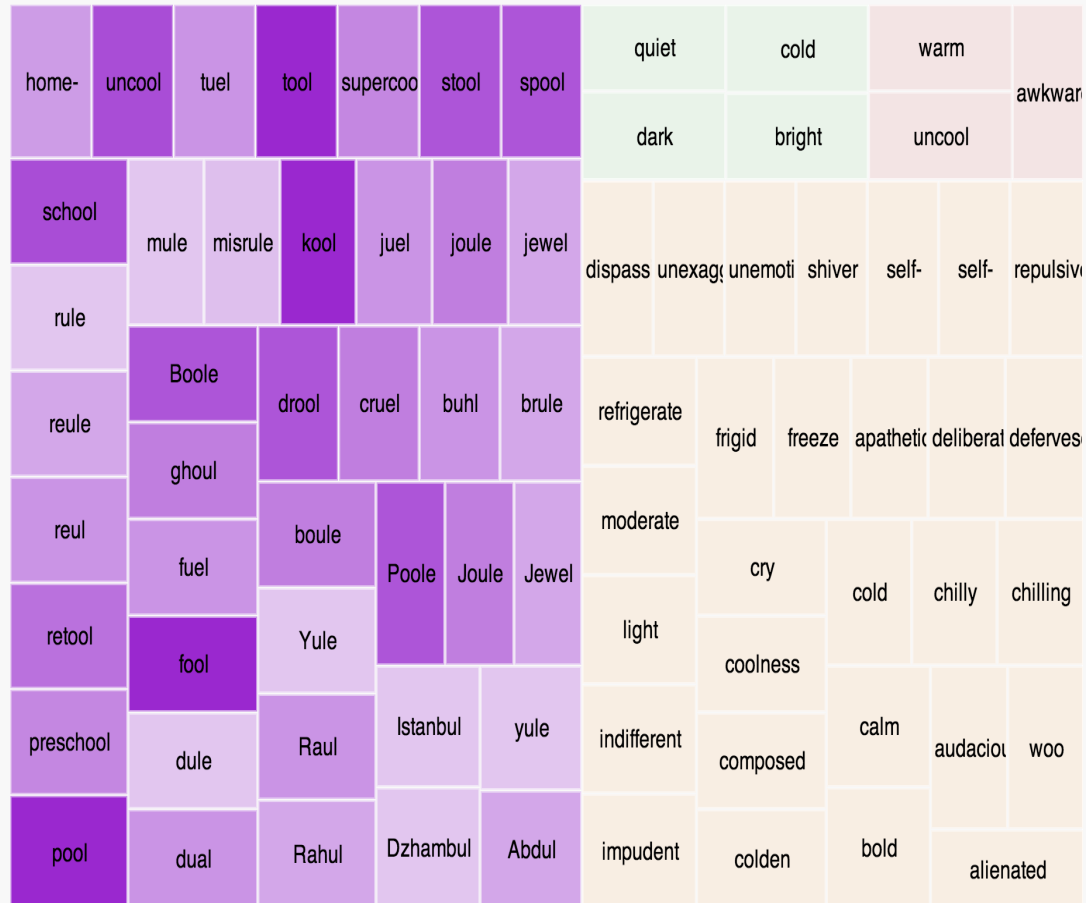
cool

**Define**   **Relate**   **List**   **Discuss**   **See**   **Hear**

## Wordmap (beta)

Word visualization ▶



| home- | uncool | tuel | tool | supercoo | stool | spool |
| school | mule | misrule | kool | juel | joule | jewel |
| rule | | | | | | |
| reule | Boole | drool | cruel | buhl | brule | |
| | ghoul | | | | | |
| reul | fuel | boule | Poole | Joule | Jewel | |
| retool | fool | Yule | | | | |
| preschool | dule | Raul | Istanbul | yule | | |
| pool | dual | Rahul | Dzhambul | Abdul | | |

| quiet | cold | warm | awkwar |
| dark | bright | uncool | |
| dispass | unexag | unemoti | shiver | self- | self- | repulsiv |
| refrigerate | frigid | freeze | apathetic | deliberat | deferves |
| moderate | cry | cold | chilly | chilling |
| light | coolness | | | |
| indifferent | composed | calm | audaciou | woo |
| impudent | colden | bold | | |
| | | | alienated | |

■ Synonyms   ■ Antonyms   ■ Same Context   ■ Word Forms   ■ Rhymes

# Thank you!

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