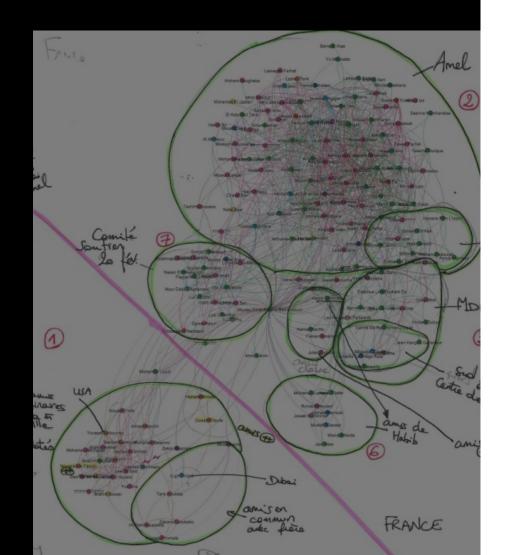


Shaping the archive

- 1. Explicit limits robots.txt
- Implicit limits (no DoS)Politeness
- Technical limits (arm race)Client-side code execution



Cardinality of preserved object

Different for different institutions (museums, archives, libraries)

Cardinality of the incunabula

20 M (books) / 30 000 (editions) = 650

Consequence of high cardinality for preservation: redundancy and time

What about the Web?

Virtually infinite number of copies

High dependancy on one single server

More like a museum than like libraries

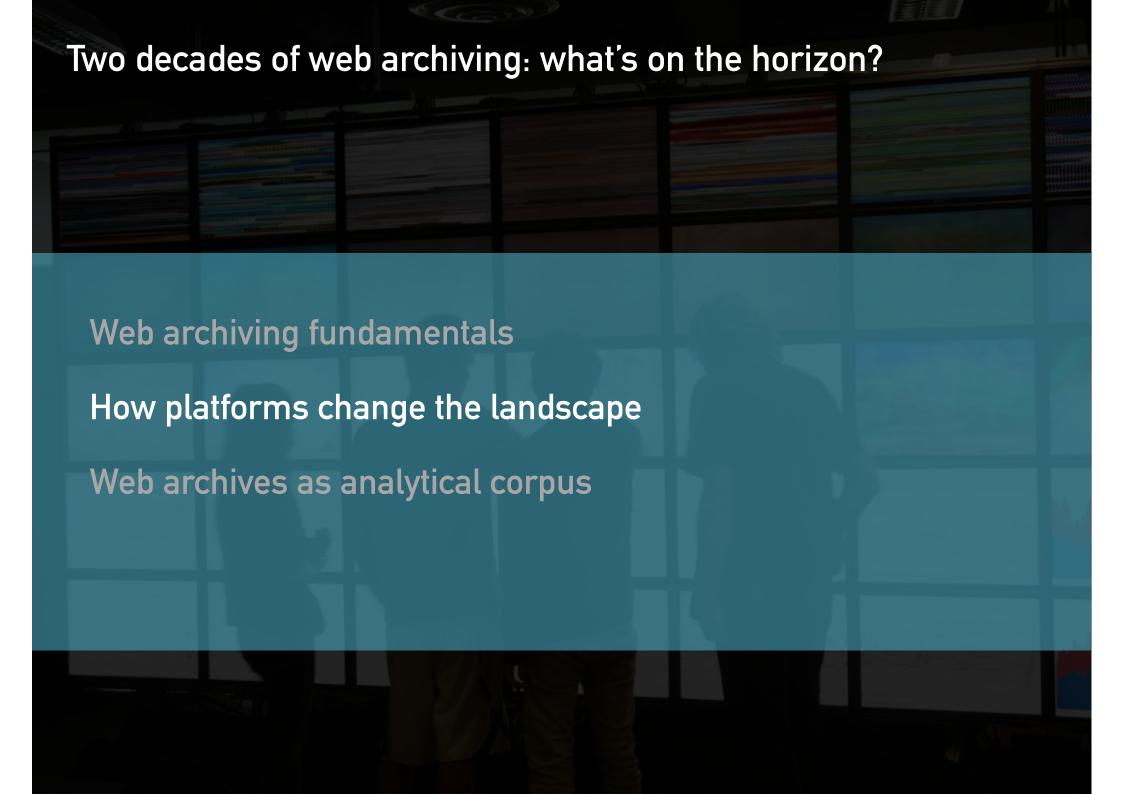
Active publishing system

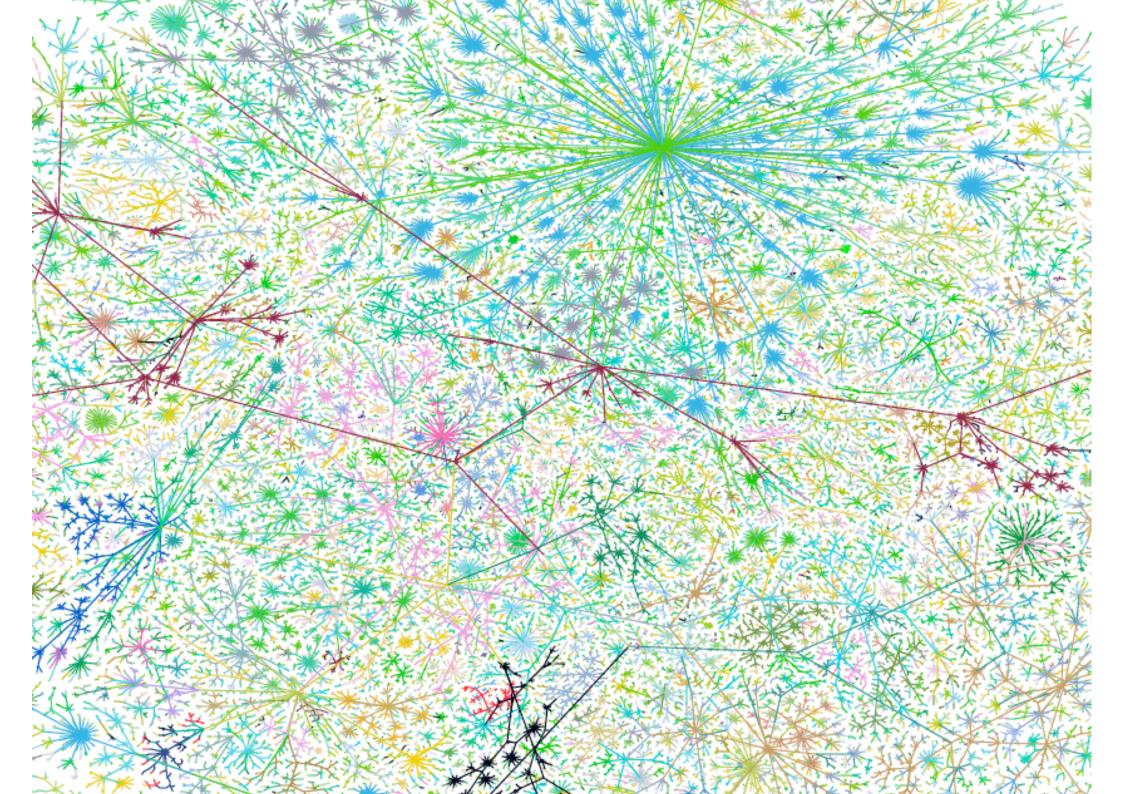
- Web Information Systems
- Controlled by the producer
- Continuous publishing

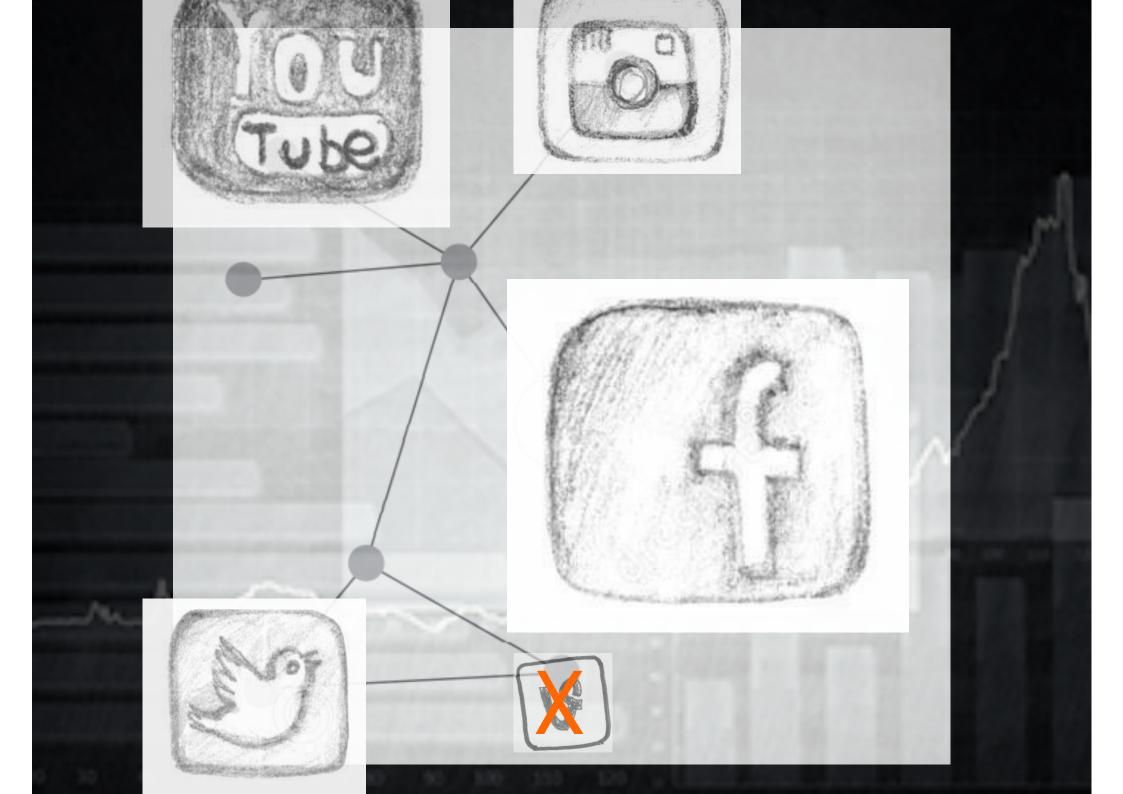
Preserving: actively pursuing the exact opposite

Internet Memory?

- Automated sampling of a virtually infinite information space
- Search and analysis specially leveraging the temporal dimension of the archive
- Has to be part of the internet











ASK A LIBRARIAN

DIGITAL COLLECTIONS

LIBRARY CATALOGS

The Library of Congress > Blogs > Library of Congress Blog > Update on the Twitter Archive at the Library of Congress

Search

All Formats

Search Loc.gov

GO

LIBRARY OF CONGRESS BLOG











Print Subscribe Share/Save

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About This Blog

Categories

Abraham Lincoln

American Folklife Center

Audiovisual

Blogging

Books

Capitol Hill

Cataloging

Cervantes

civil war

Collections

Concerts

Congress

Congress Blogs

Copyright

Update on the Twitter Archive at the Library of Congress

January 4, 2013 by Erin Allen

(The following is a guest post from the Library's Director of Communications, Gayle Osterberg.)

An element of our mission at the Library of Congress is to collect the story of America and to acquire collections that will have research value. So when the Library had the opportunity to acquire an archive from the popular social media service Twitter, we decided this was a collection that should be here.

In April 2010, the Library and Twitter signed an agreement providing the Library the public tweets from the company's inception through the date of the agreement, an archive of tweets from 2006 through April 2010. Additionally, the Library and Twitter agreed that Twitter would provide all public tweets on an ongoing basis under the same terms.

The Library's first objectives were to acquire and preserve the 2006-10 archive; to establish a secure, sustainable process for receiving and preserving a daily, ongoing stream of tweets through the present day; and to create a structure for organizing the entire archive by date.

This month, all those objectives will be completed. We now have an archive of approximately 170 billion tweets and growing. The volume of tweets the Library receives each day has grown from 140 million beginning in February 2011 to

Preserving the platforms?

- Who decides?
 - A handful of private company can now decide what will be preserved?
- Legal limits
 - They have technical capacity enable archiving, Updating regulation?
- Technical limits
 - We need more machines!
 - API access, how we deal with loss of presentation context?



IMF Youtube Archive Reader Prototype

Welcome to ParliamentWeek YouTube channel.

Title: ParliamentWeek Description: ParliamentWeek's channel Published: Aug. 4, 2011 Updated: None



Title Stories of Democracy: David Beamish

Keywords None

Download video <u>Click here</u>
Published Oct. 5, 2011

DEVON think



Stories of Democracy: David Beamish



Stories of Democracy: Sir Alan Haselhurst MP



Stories of Democracy: Dr Caroline





Stories of Democracy: Lord Hennessy



Stories of Democracy: John Bercow MP, Speaker of the House of Commons



Stories of Democracy: Robert Rogers



Stories of Democracy: Jo Swinson



Stories of Democracy: Lord Sugar



Stories of Democracy: Lord Laming



Stories of Democracy: Baroness



INTERNET MEMORY TWITTER ARCHIVE READER PROTOTYPE



UK Parliament



@UKParliament

Keeping an eye on government, debating laws, approving taxes. This official Twitter feed is produced by the Digital Service in Parliament.

Website: http://www.parliament.uk/



UKParliament

@UKParliament

#NewDawn, the new contemporary work of #art celebrating the votes for women movement t.co/gnqLM9JZkk t.co/buqmi6FTds

Tue Jun 07 2016 11:30 45 retweets



UKParliament

@UKParliament

#NewDawn, the new contemporary sculpture celebrating the campaign for women's #suffrage t.co/GA9sTgg0rx t.co/tuKgUb7H8t

Tue Jun 07 2016 11:05 24 retweets



UKParliament

@UKParliament

Fiona Shaw reads Constance Markievicz's 1918 letter to her future-constituents #NewDawn t.co/R00iGJgmO6

Tue Jun 07 2016 09:30 10 retweets

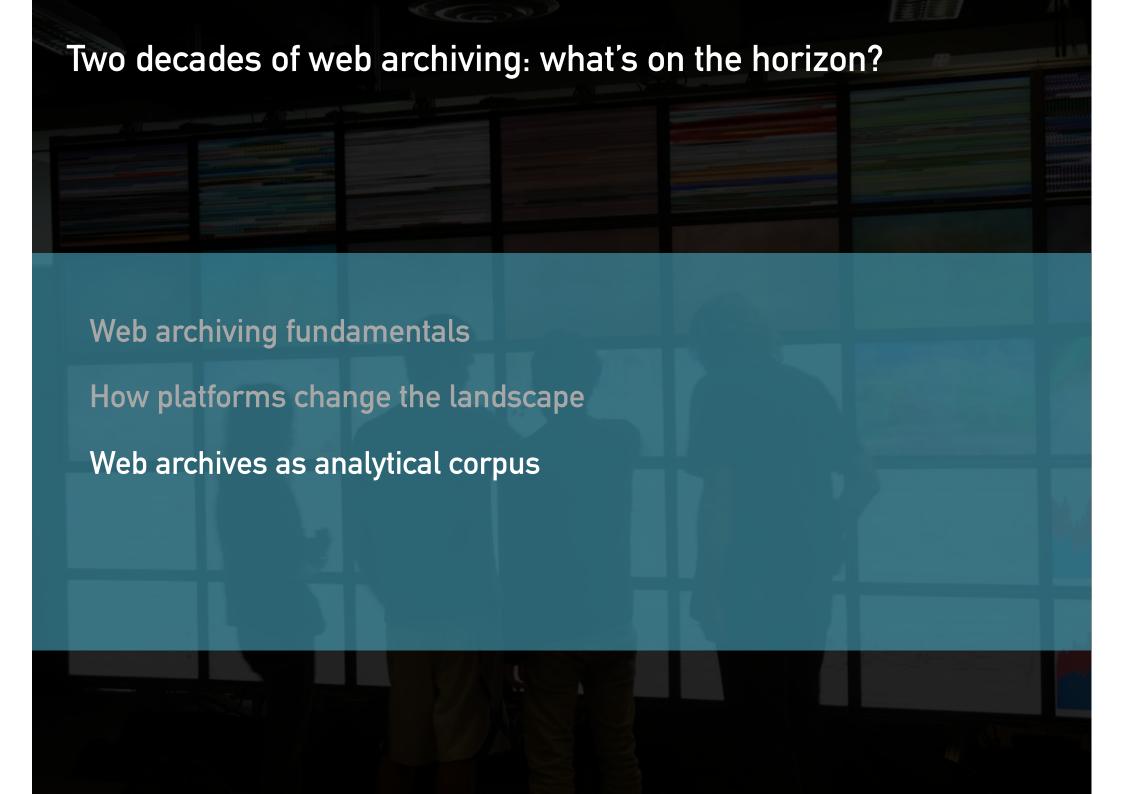


UKParliament

@UKParliament

Robert Banks Jenkinson was born #OnThisDay in 1770. He was #PrimeMinister

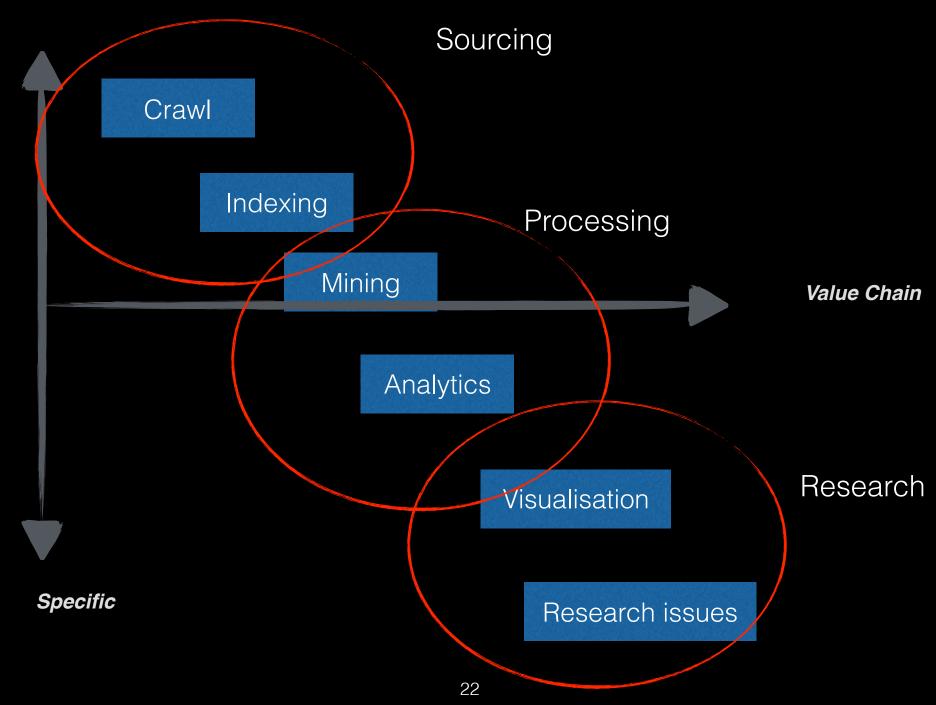
http://webarchive.parliament.uk/*/http://twitter.com/ukparliament

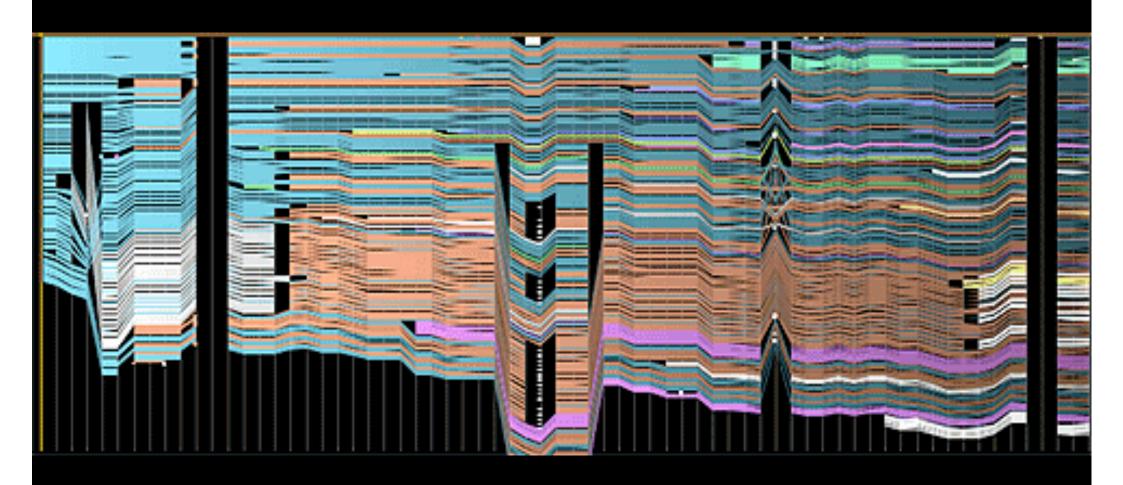


Macroanalysis

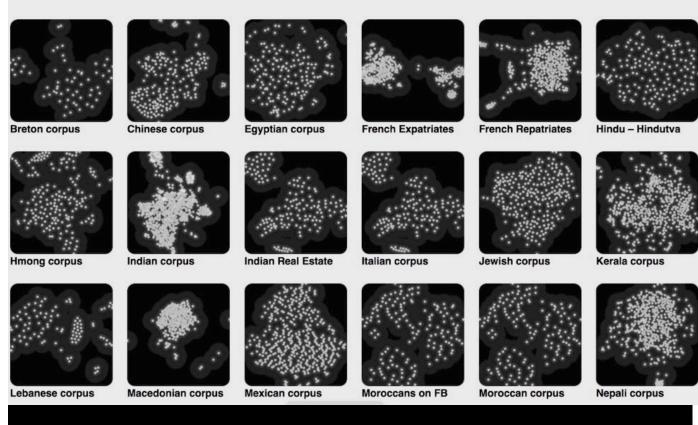
- Focus is no longer single document/page
- Extraction of data
- Indexing
- Analytics: statistical distribution, correlation, graph analyses

Generic



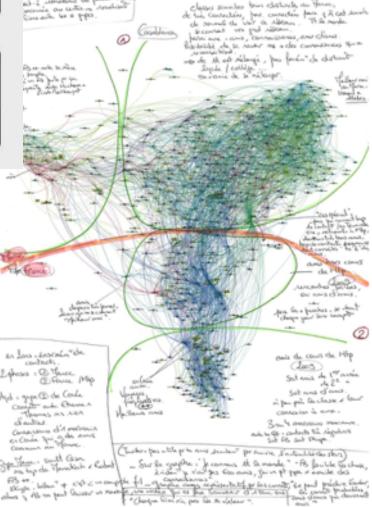


Working papers

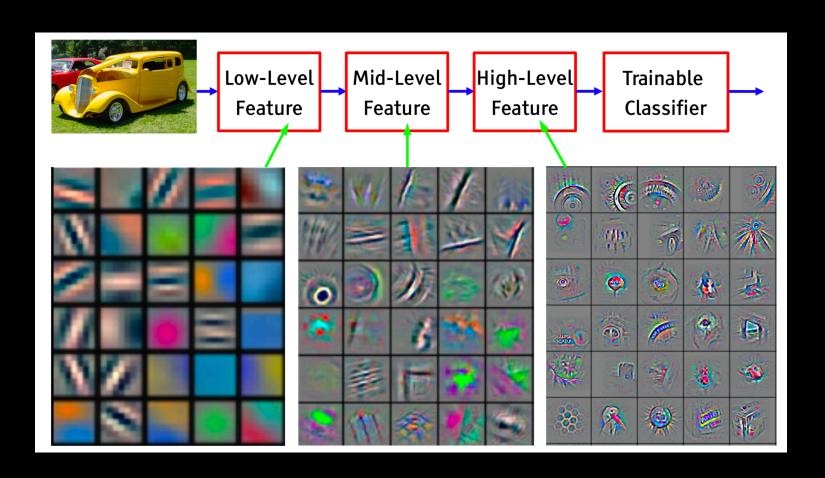


http://www.e-diasporas.fr/

Occupying the social Web: Moroccan students on the move. A method resulting from fieldwork Sabrina Marchandise, 2012.



New possibilities to large scale analysis of web archives: Deep learning



Deep learning to detect objects « luggages »





Also to help building the archive!



Type word or URL

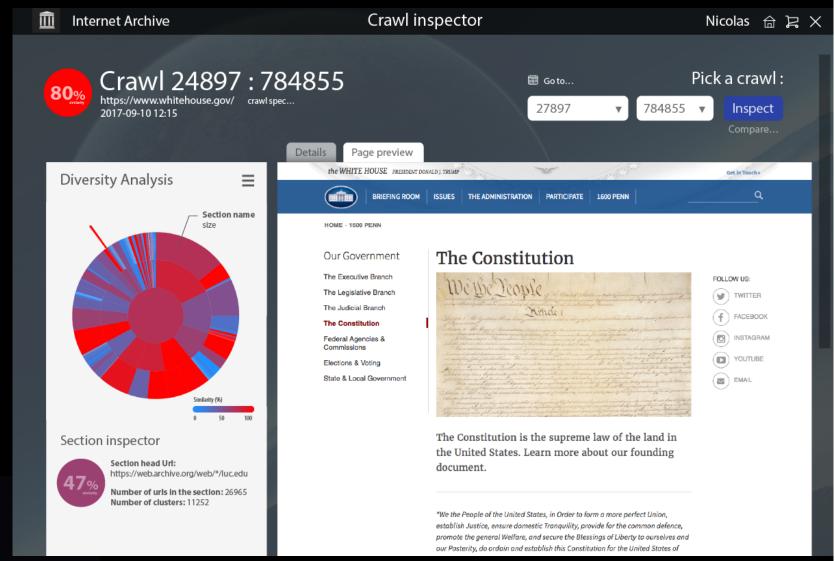


Search pages from the p

Millions of contents archived since 1996

Meet the service

Better crawl





Genre analysis

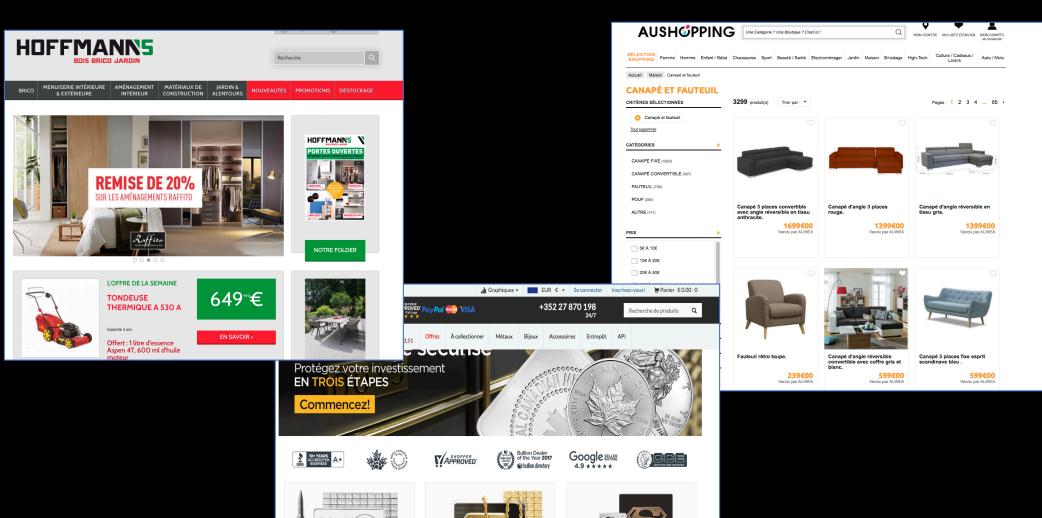
- Create model, language independent for publication genres:
 - News/e-commerce/Blogs/Forum/Porn/Company/
 - Detect webspam
- Evaluate how this can be use for large scale crawling priorization
 - Change revisit frequency depending on genre
 - Change crawling budget depending on genre
 - Blacklist spam



Learning to detect genres

Site level Shop Shop Shop News Forum Page level Vector Vect Vector Vector 0.4 0.3, 0.7, 0.2 0.7, 0.3, (0.5, 0.3, 0.1, 0.2 0.2, 0.3, 0.1, 0.6

e-commerce sites



pièces, rondes, lingots et plaquettes

Argent

pièces, rondes, lingots et plaquettes

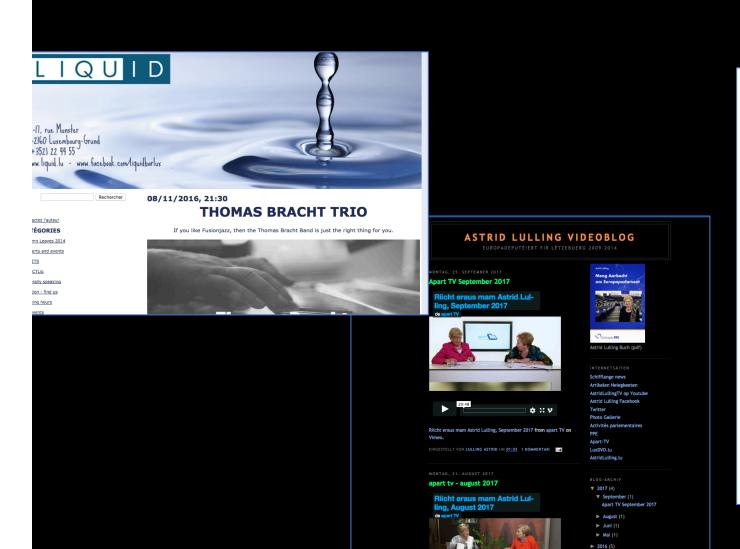
À collectionner

tirage limité, qualité du travail exceptionnelle

Discute avec nous!

Blog sites

≥ 2015 (4)







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@julienmasanes

Julien Masanès

Obligado!