

Enabling Access to Old Wu-Tang Clan Fan Sites

Facilitating Interdisciplinary Web Archive
Collaboration



Nick Ruest (@ruebot)
Ian Milligan (@ianmilligan1)





Why should we even care about web archives?

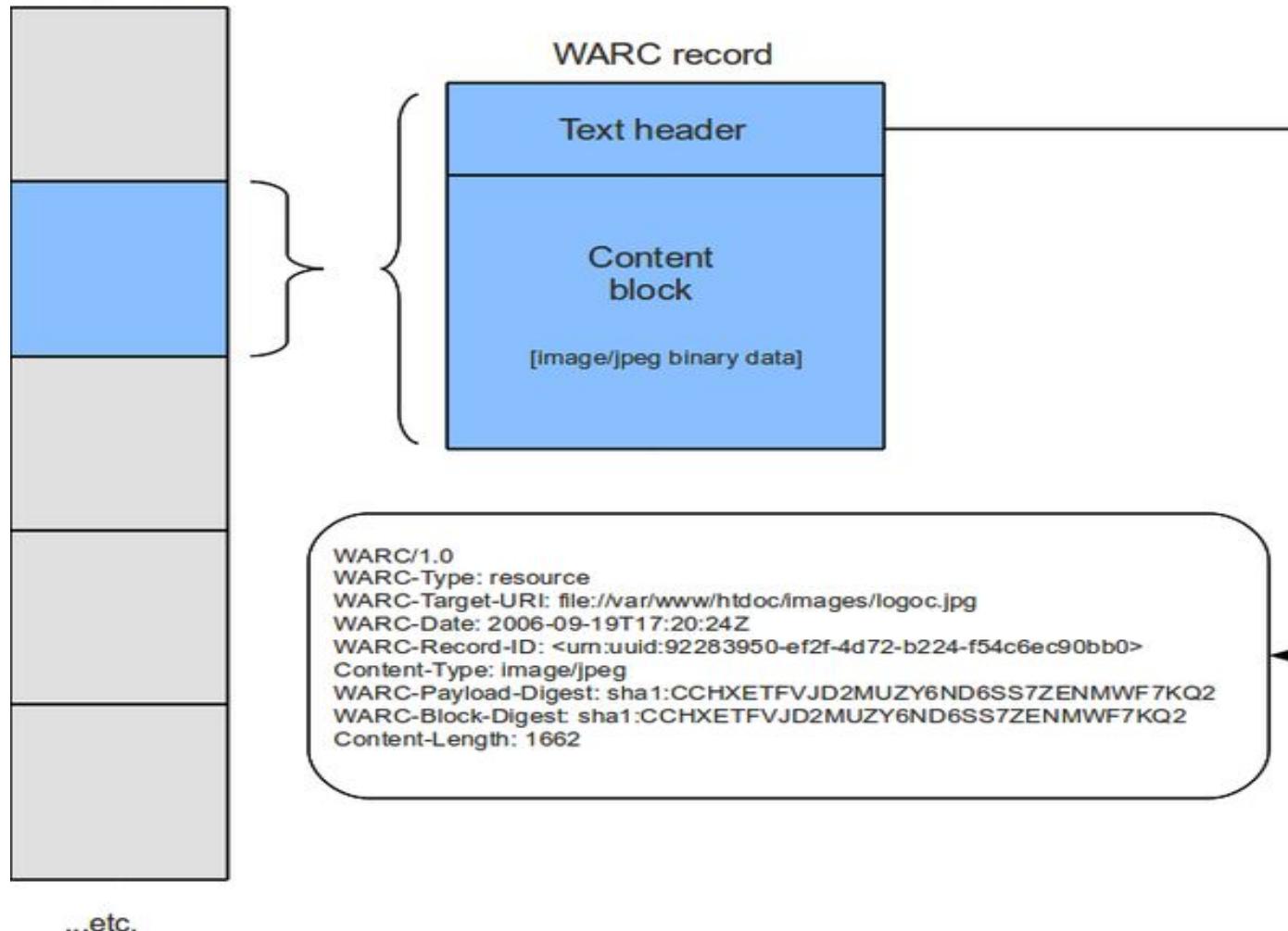
**First, more data than
ever before is being
preserved...**

**Second, it'll be saved
and delivered to us in
very different ways**



WARC (ISO 28500:2009)

WARC file



You are viewing an archived web page, collected at the request of [Internet Archive Global Events](#) using [Archive-It](#). This page was captured on 5:07:27 Dec 03, 2011, and is part of the [Occupy Movement 2011/2012](#) collection. The information on this web page may be out of date. See [All versions](#) of this archived page. [Videos Metadata](#) [hide](#)

OccupyWallStreet

The revolution continues [worldwide!](#)

Welcome [login](#) | [signup](#)
Language [en](#) [es](#) [fr](#)

[News](#) [LiveStream](#) [#HowToOccupy](#) [Forum](#) [Chat](#) [User Map](#) [NYCGA](#) [About](#) [Donate](#)

Farmers Join Occupy Wall Street, Calling for Food Justice

Posted 5 hours ago on Dec. 2, 2011, 6:21 p.m. EST by [OccupyWallSt](#)

 As Wall Street's corrupt influence on the economy has grown, the corporate ownership of our food system has hurt the health and livelihood's of some of our most vulnerable communities. This Sunday, December 4th food justice activists and occupiers will be traveling from as far as Colorado, Iowa, Maine and Upstate New York to join together for the [Occupy Wall Street FARMERS' MARCH](#). Through a day of dialogue, musical performances, and a march, farmers and their urban allies working for food justice in their communities will form alliances to fight and expose corporate control of the food supply.

Events throughout the day will call and inspire participants to fight against the corporate manipulation of the agriculture system. An industry that is responsible for using chemical toxins tied to soaring obesity rates, heart disease and diabetes and limiting access to affordable, wholesome food to the country's poorest citizens.

[Read More...](#)

[30 Comments](#)

Occupy Wall Street Goes Home

Posted 1 day ago on Dec. 1, 2011, 3:04 p.m. EST by [OccupyWallSt](#)

NATIONAL DAY OF ACTION DEC. 6. 2011

On December 6th Occupy Wall Street will join in solidarity with a Brooklyn community to re-occupy a foreclosed home. The day of action marks a national kick-off for a new frontier for the occupy movement: the liberation of vacant bank-owned homes for those in need. The banks set

General Inquiries:
general@occupywallst.org
Press Inquiries:
press@occupywallst.org
Press Phone: +1 (347) 292-1444
Help & Directions: +1 (516) 708-4777
Watch: [The world we're building](#)
Read: [This call to action](#)
Liberty Square Eviction Defense:
Text "@occupyalert" to 23559 to receive alerts in the event of imminent emergency.

Occupy Wall Street is leaderless resistance movement with people of many [colors](#), genders and political persuasions. The one thing we all have in common is that [We Are The 99%](#) that will no longer tolerate the greed and corruption of the 1%. We are using the revolutionary [Arab Spring](#) tactic to achieve our ends and encourage the use of nonviolence to maximize the safety of all participants.

This #ows movement empowers real people to create real change from the bottom up. We want to see a [general assembly](#) in every backyard, on every street corner because we don't need Wall Street and we don't need politicians to build a better society.

the only solution is WorldRevolution

[Click here](#) for NYCGA committee meeting times.





Scarcity Abundance

SCARCE RESOURCES

CONGRESSIONAL ARCHIVES

SCARCE RESOURCES

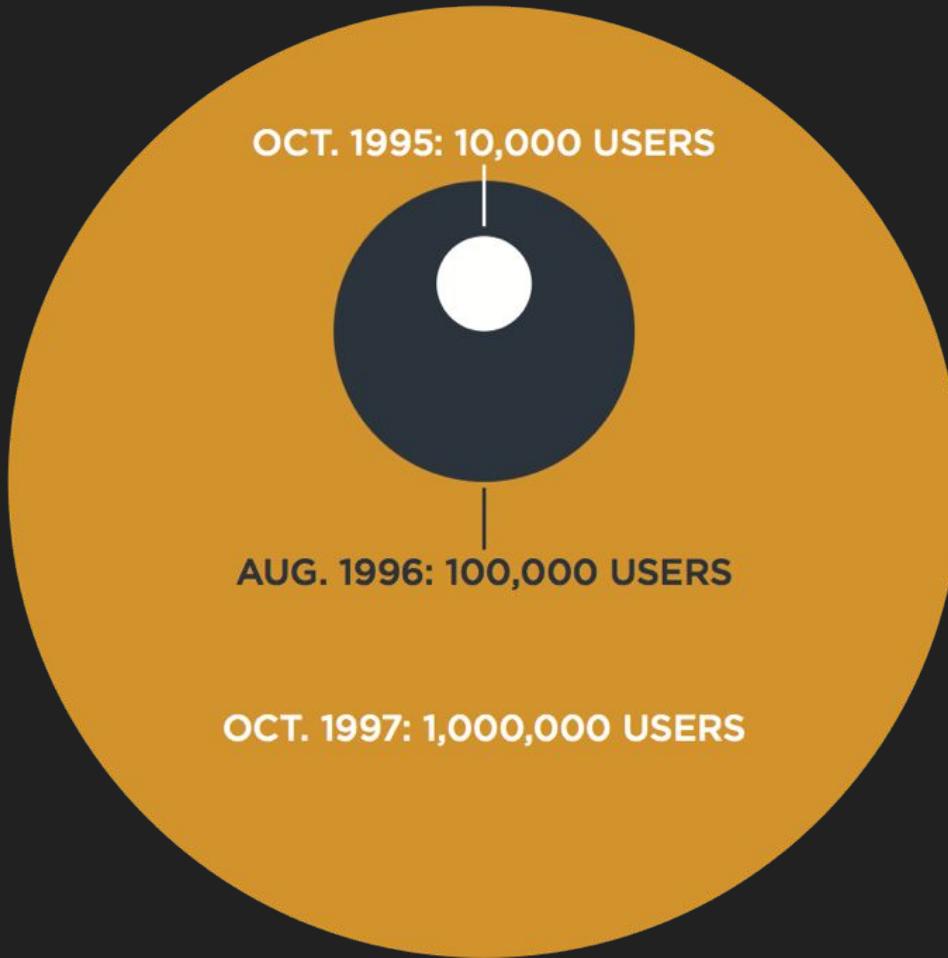
CONGRESSIONAL ARCHIVES

SCARCE RESOURCES

SCARCE RESOURCES

375

GEOCITIES USERS:



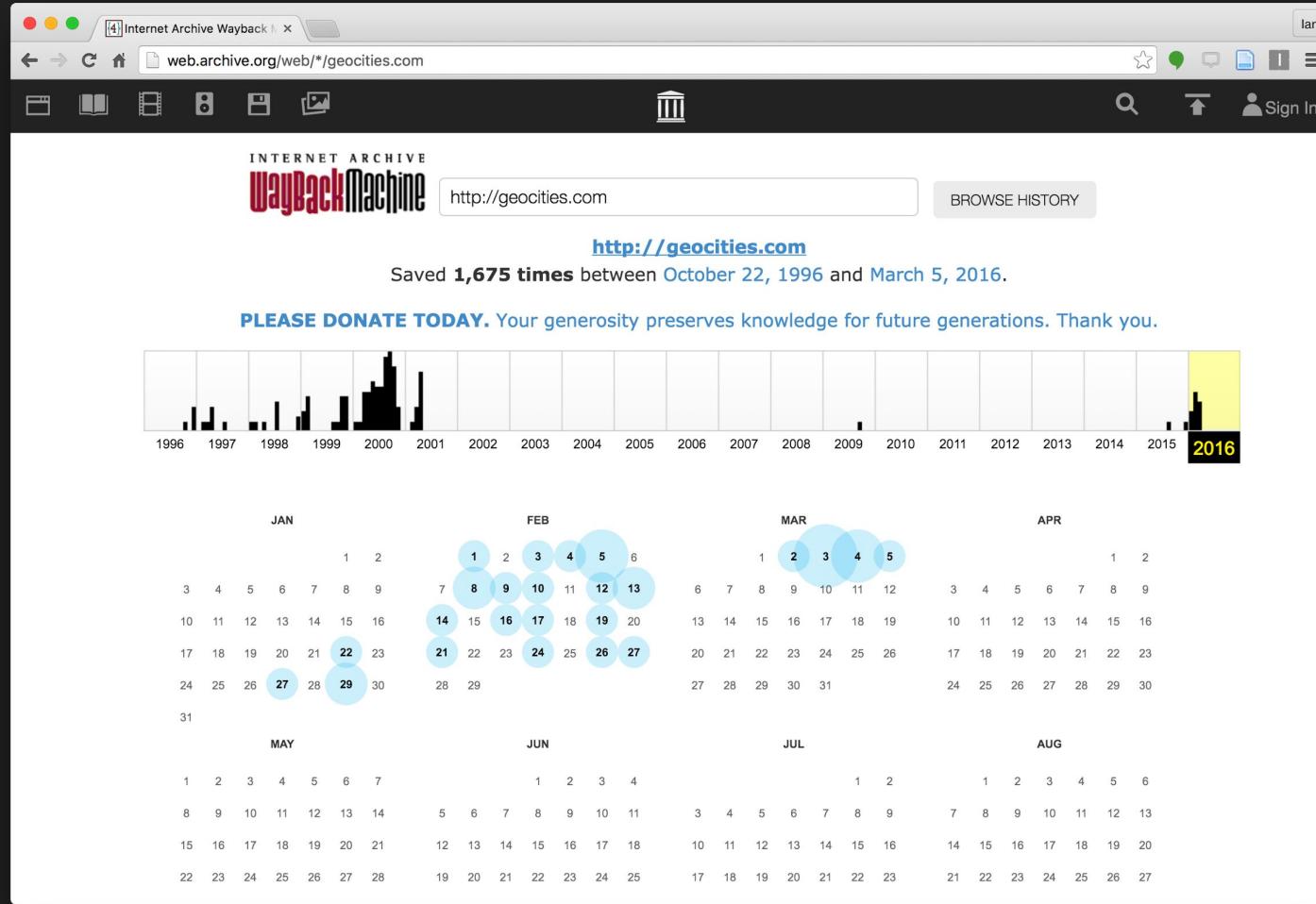


Could one study
the 1990s or
beyond without
web archives?

A faded, black and white photograph of a group of people from the 1990s. In the foreground, a man on the left wears a dark baseball cap with a small emblem and a light-colored button-down shirt. Next to him is a woman wearing large, light-colored headphones. To her right is another woman in a yellow t-shirt with a graphic design. The background is out of focus, showing more people of the same era.

And the 1990s are
history (as painful
as it is to say..)

But right now you
have to use the
Wayback Machine -
requiring you know
the URL!



Welcome to GeoCities Home

1.675 captures
22 Oct 96 - 5 Mar 16

http://www1.geocities.com/ Go OCT DEC 26 1995 1996

Visual Basic™ 5.0 SiteBuilder

Microsoft CONTROL CREATION EDITION

Visual Basic 5.0 Control Creation Edition Free!

GEO CITIES YOUR HOME ON THE WEB

Our communities are home to the most popular collection of FREE HOME PAGES & E-MAIL on the web. Please join or visit one of our 29 neighborhoods today.

ENTER HERE

- INFORMATION
- NEIGHBORHOODS
- WHAT'S NEW
- WHAT'S COOL
- WHAT IS GEOCITIES?

* Free Home Pages & Free Member Email Advertiser Information

DIAL-audio Update

HOT RESTORE

GeoToon of the week

Happy Holidays from all of us at Geocities!

A message from our CEO

Today's Cool Homestead WallStreet1456 Beginning investors and speculators won't want to miss the Working Class Investor Newsletter.

GeoCities News of the Day - 12/25/96

GEOCITIES LIVE CHRISTMAS TREE! ON CAMERA!

Building a home page for the holidays? Submit your letters to Santa, favorite holiday recipes and other holiday cheer to our special NorthDolla neighborhood. And share your holiday spirit with GeoCitizens around the world via our virtual holiday tree!

web.archive.org/web/.../homestead/



We need
interdisciplinary
collaboration to
tackle this problem!



Social Sciences and
Humanities Research
Council of Canada

Conseil de recherches
en sciences humaines
du Canada

Canada



compute | **calcul**
canada | canada

Team(s)

We form like Voltron

**WARCS
RULE
EVERYTHING
AROUND
ME (US!)**

Ian Milligan

History Faculty Member

Jimmy Lin

Computer Science Faculty Member

Jeremy Wiebe

History PhD Candidate

Alice Zhou

Computer Science Undergraduate

Nick Ruest

Digital Assets Librarian

Collaboration

My beats travel like a vortex, through your spine
to the top of your cerebrum cortex

#Slack & GitHub

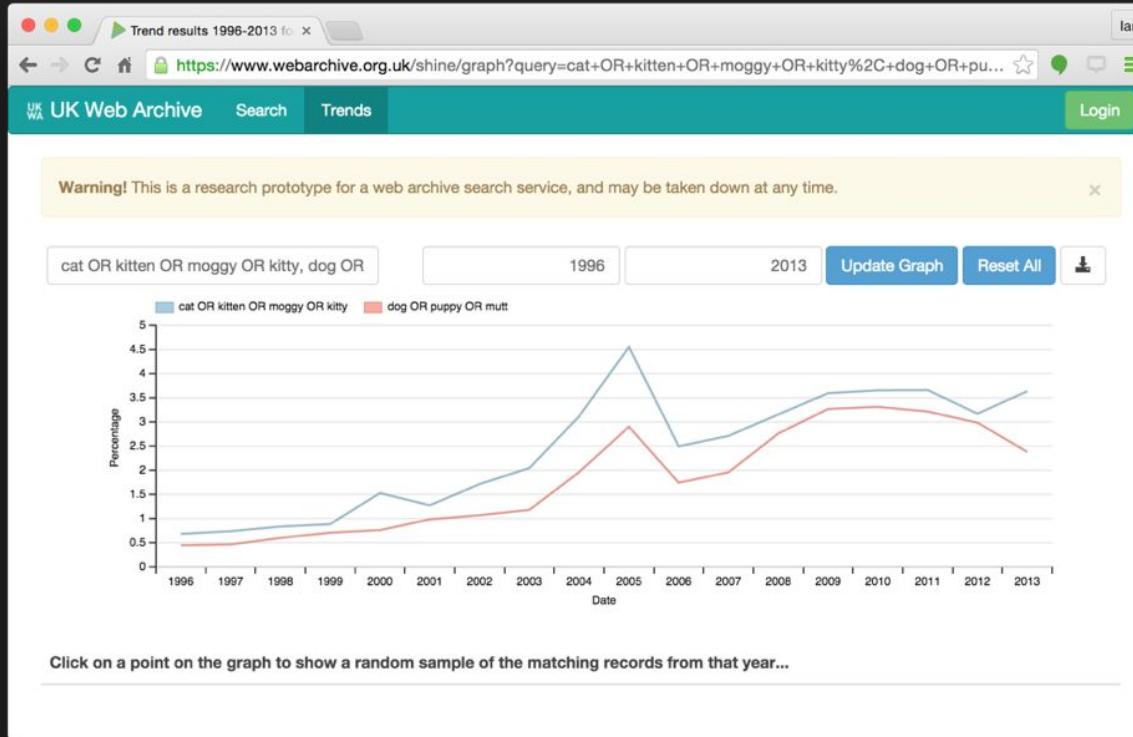
Platforms

Every time the horn blows, the Wu's signal's back on
Transform, pack form a whole another platform

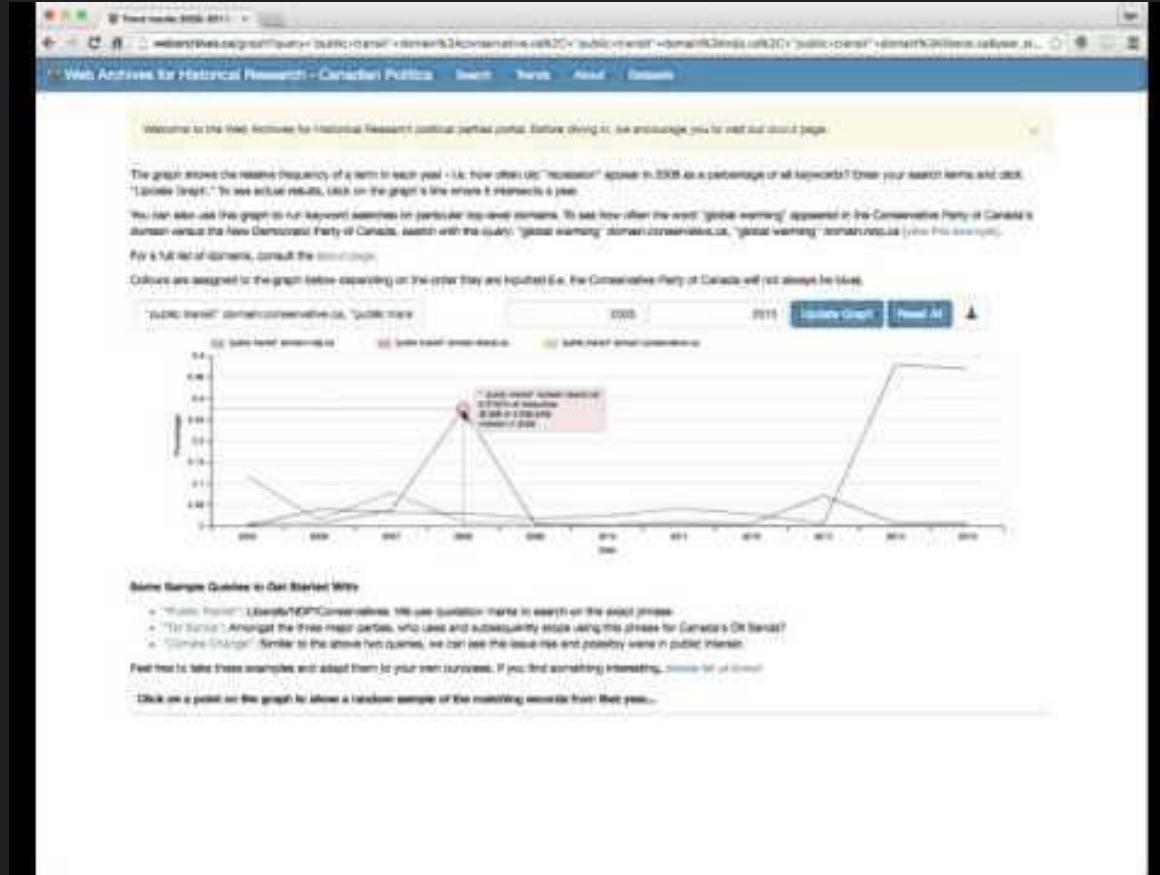
Shine

<https://github.com/ukwa/shine/>

Shine



webarchives.ca



CLI tools

awk, sed, grep, parallel, sort, uniq, wc, jq

Geocities



[Join](#)  [Neighborhoods](#) [Members' Area](#) [Shopping Center](#) [Search](#)

Search the At Hand® Network Yellow Pages

CATEGORY CITY STATE ALL

Visit These Neighborhoods



GeoCities members, or Homesteaders, create their home pages within themed communities called Neighborhoods. Find a Neighborhood that interests you, and see how our Homesteaders use their pages to showcase their interests and creative content for millions of people to see.

- [Area51](#) Science fiction and fantasy
- [Albans](#) Education, literature, poetry, philosophy
- [Augusta](#) Golf and the finer side of the fairways
- [Bar](#) Fourwheeling, SUVs, off-roading, adventure travel
- [BourbonStreet](#) Jazz, Cajun food, Southern culture
- [Broadway](#) Theater, musicals, show business
- [GeoCanaveral](#) Science, mathematics, aviation
- [CapitolHill](#) Government, politics, and lots of strong opinions
- [CollegePark](#) University life, from academics to extracurriculars
- [Colosseum](#) Sports and recreation
- [EnchantedForest](#) A neighborhood for and by kids
- [Europe](#) Small businesses, home offices
- [FashionAvenue](#) Top designer, beauty and fashion

[Home](#) [Help](#) [Info](#)

 Our communities are home to the most popular collection of **FREE HOME PAGES & E-MAIL** on the web. Please join or visit one of our 29 neighborhoods today.



[* Free Home Pages & Free Member Email](#) [Advertiser Information](#)

[Next Stop](#)  [Lycos](#) [Freeloader 2.0](#) [NEW! GeoStore](#)

Today's Cool Homestead  [GeoCities Daily Audio Update](#)

[HotSprings 1837](#)
So you hit the snooze bar ten times every morning. You might be lazy. But then again, you might have a sleep disorder. Find out here.

GeoCities News of the Day - 10/22/96

Doom Level Design with DEU 5 - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location http://www.geocities.com/Hollywood/2979/

DOOM LEVEL DESIGN WITH DEUS



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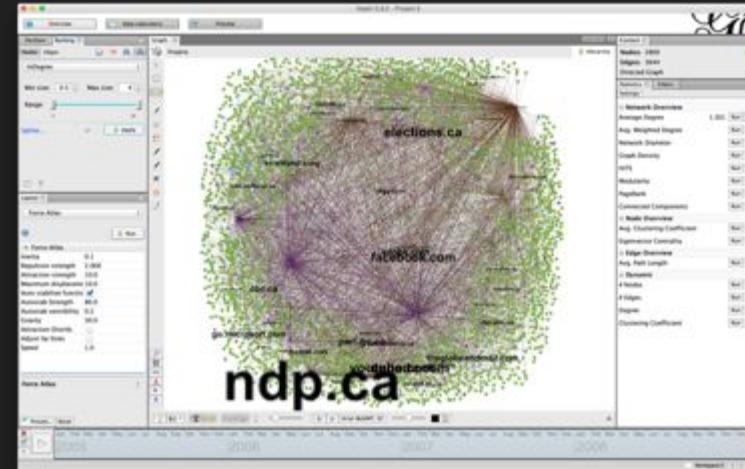
- [1. Getting Started](#)
 - Introduction
 - Software/Hardware Requirements
- [2. What Editor to Choose?](#)
 - Understanding the Editor
 - Understanding the Construction Features
- [3. Building a New Level](#)
 - Inserting Vertices

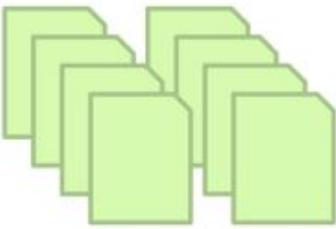


Warcbase

Warcbase

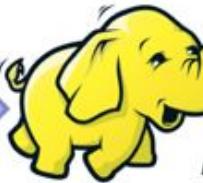
- An open-source platform for managing web archives
- Two main components
 - A flexible data store: your own Wayback Machine
 - Scriptable analytics and data processing





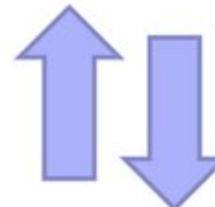
WARC/ARC

or



hadoop

Ingestion



Processing & Analytics

A P A C H E
HBASE



Applications
and Services

Warcbase

- Scalable
 - From Raspberry Pi to Desktop
 - Computer to Server to Cluster, **all with same scripts and commands**
- Potentially very powerful
 - **Trantor**: 1.2PB of disk, 25 compute nodes (each w/ 128GB memory, 2×6-core Intel Xeon E5 v3 = 3.2TB memory and 300 current-generation Intel cores)
- In active development, led by **Jimmy Lin**, collaborator with Web Archives Historical Research Group



You can Warcbase Too! (...and Twarcbase soon!)

Warcbase is an open-source platform for managing web archives built on Hadoop and HBase. <http://warcbase.org/>

Branch: master - New pull request

622 commits 7 branches 0 releases 10 contributors

jrwlbe Update ExtractLinks.scala
Tweaked settings.
Update ExtractLinks.scala
Modified visualizer to read JSON instead of GSV. Also added day view....
.gitignore Copy dependencies into solr home.
README.md URL change to Gephi tutorial
pom.xml Use shapeless to flatten tuples of any arity

Latest commit d05cb47 7 days ago

README.md

Warcbase

Warcbase is an open-source platform for managing web archives built on Hadoop and HBase. The platform provides a flexible data model for storing and managing raw content as well as metadata and extracted knowledge. Tight integration with Hadoop provides powerful tools for analytics and data processing via Spark.

There are two main ways of using Warcbase:

- The first and most common is to analyze web archives using Spark.

Warcbase Documentation

Docs » Introduction » Summary

Introduction
Summary
About
Installation and Setup
Getting Started with Warcbase!
Installing and Running Spark under OS X
Installing Spark Notebook on a Cloud Computer
Web Archive Analysis
Analyzing Web Archives with Spark
Basic Several Spark Commands
Collection Analytics
Analysis of Site Link Structure
Extracting Domain Level Plain Text
Named Entity Recognition
NER Visualization
Gephi: Converting Site Link Structure into Dynamic Visualization
Shine Integration
Shine: Installing Shine Frontend on OS X
Building Lucene Indexes Using Hadoop
Warcbase
Building and Running Warcbase Under OS X
Ingesting Content Into Hbase
Warcbase Wayback Integration
Warcbase Java Tools

GitHub Next >

For an example of what's possible, see the In-browser Spark notebook demo below:

TTOW - Spark Notebook Walkthrough

You can download Warcbase [here](#). The easiest way would be to follow our [Getting Started](#) tutorial.

Use Warcbase to unleash your web archives! These documents will show you how...

Note: many of these tutorials currently assume a working knowledge of a Unix command line environment. For a conceptual and practical introduction, please see Ian Milligan and James Baker's "Introduction to the Bash Command Line" at the [Programming Historian](#).

If you've just arrived, you're probably interested in using [Spark](#) to analyze your web archive collections: gathering collection statistics, textual analysis, network analysis, etc.

If you want to explore web archives using other means, we have walkthroughs to use the SHINE front end on Solr indexes generated using Warcbase. See this [SHINE walkthrough](#) and this [building Lucene Indexes](#) walkthrough.

warcbase.org

docs.warcbase.org

Let's do a quick
walkthrough of how
we've used it on
GeoCities



```
1. i2millig@rho: /mnt/vol1/data_sets/geocities/warcs (ssh)
bash                                bash                                i2millig@rho: /mnt/vol1/data...
GEOCITIES-20091029114236-00191-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029115416-00171-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029123034-00172-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029130439-00173-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029134536-00174-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029140344-00192-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029141553-00193-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029141726-00175-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029144445-00176-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029152151-00177-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029160824-00178-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029164941-00179-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029165037-00194-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029170431-00195-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029171605-00180-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029174154-00181-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029180818-00182-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029182725-00183-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029185858-00184-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029193728-00185-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029194541-00196-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029195911-00197-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029202041-00186-crawling08.us.archive.org.warc.gz
GEOCITIES-20091029221340-00198-ia400110.us.archive.org.warc.gz
GEOCITIES-20091029222459-00199-ia400110.us.archive.org.warc.gz
GEOCITIES-20091030021147-00197-ia400103.us.archive.org.warc.gz
GEOCITIES-20091030021444-00198-ia400103.us.archive.org.warc.gz
GEOCITIES-20091030022413-00171-ia400104.us.archive.org.warc.gz
i2millig@rho:/mnt/vol1/data_sets/geocities/warcs$ du -h
4.1T .
i2millig@rho:/mnt/vol1/data_sets/geocities/warcs$
```

ianmilligan@ians-MacBook-Pro:~\$ rho
i2millig@rho.library.yorku.ca's password:
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.13.0-32-generic x86_64)

* Documentation: <https://help.ubuntu.com/>

System information as of Mon Mar 7 13:43:20 EST 2016

System load: 0.99 Users logged in: 1
Usage of /: 34.7% of 744.67GB IP address for em1: 130.63.180.18
Memory usage: 16% IP address for em2: 10.0.0.18
Swap usage: 6% IP address for docker0: 172.17.0.1
Processes: 359

Graph this data and manage this system at:
<https://landscape.canonical.com/>

242 packages can be updated.
130 updates are security updates.

Last login: Mon Mar 7 13:43:21 2016 from 38.123.136.254
i2millig@rho:~\$./spark-1.5.1/bin/spark-shell --jars ~/warcbase/target/warcbase-0.1.0-SNAPSHOT-fatjar.jar
WARN NativeCodeLoader - Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Welcome to


version 1.5.1

Using Scala version 2.10.4 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0_45)
Type in expressions to have them evaluated.
Type :help for more information.
WARN MetricsSystem - Using default name DAGScheduler for source because spark.app.id is not set.
Spark context available as sc.
SQL context available as sqlContext.

scala> :paste
// Entering paste mode (ctrl-D to finish)

import org.warcbase.spark.matchbox._
import org.warcbase.spark.rdd.RecordRDD._

val r =
 RecordLoader.loadWarc("/mnt/vol1/data_sets/geocities/warcs/GEOCITIES-20090808133634-04399-crawling08.us.archive.org.warc.gz", sc)
 .keepValidPages()
 .map(r => ExtractTopLevelDomain(r.getUrl))
 .countItems()
 .take(10)

// Exiting paste mode, now interpreting.

INFO WacWarcInputFormat - Loading file:/mnt/vol1/data_sets/geocities/warcs/GEOCITIES-20090808133634-04399-crawling08.us.archive.org.warc.gz
import org.warcbase.spark.matchbox._
import org.warcbase.spark.rdd.RecordRDD._
r: Array[(String, Int)] = Array((geocities.com,3748), (www.geocities.com,240), (www.myfilehut.com,12), (asiarooms.com,7), (us.geocities.com,6), (www.theginge.com,3), (www.angelfire.com,3), (images.quizilla.com,3), (pub28.bravenet.com,3), (ss.webring.yahoo.com,2))

scala> █

Spark Notebook Demo

localhost:9000/notebooks/Spark%20Notebook%20Demo.snb#tab314587536-2

SPARK NOTEBOOK Spark Notebook Demo (unsaved changes)

File Edit View Insert Cell Kernel Help

Code Cell Toolbar: None

Scala [2.10.4] Spark [1.3.0] Hadoop [2.6.0]

C4L Hackathon Demo, March 2016

This is a notebook to demo how we're foreseeing the rapid prototyping of work with web archives.

Note that we can begin to intersperse text with the code that we're writing, to enable the sharing of notebooks and research ideas.

```
In [ ]: :cp /Users/ianmilligan1/dropbox/warbase/target/warbase-0.1.0-SNAPSHOT-fatjar.jar
...
In [ ]: import org.warbase.spark.matchbox._
import org.warbase.spark.rdd.RecordRDD._
...
In [ ]: var arc="/Users/ianmilligan1/Dropbox/warcs-workshop/227-20051004191331-00000-crawling015.archive.org.arc.gz";
var warc="/Users/ianmilligan1/dropbox/wahr/sample-data/arc-warc/ARCHIVEIT-227-QUARTERLY-XUGECV-20091218231727-00039-crawling06.us";
var armdir="/Users/ianmilligan1/dropbox/warcs-workshop";
...
In [ ]: val r =
RecordLoader.loadArc(arc,
sc)
.keepValidPages()
.map(r => ExtractTopLevelDomain(r.getUrl))
.countItems()
.take(10)
r: Array[(String, Int)] = Array((cpcml.ca,271), (partimarijuana.org,215), (communist-party.ca,156), (westernblockparty.com,144), (liberal.ca,107), (worldsocialism.org,105), (agoracosmopolite.com,103), (wegovern.ca,74), (www.conservative.ca,70), (canadianactionparty.ca,58))
Out[4]:
```

10 items

Website	Count
cpcml.ca	271
partimarijuana.org	215
communist-party.ca	156
westernblockparty.com	144
liberal.ca	107
www.worldsocialism.org	105
agoracosmopolite.com	103
wegovern.ca	74
www.conservative.ca	70
canadianactionparty.ca	58

Extracting all URLs

```
1 import org.warcbase.spark.matchbox._  
2 import org.warcbase.spark.rdd.RecordRDD._  
3  
4 val r = RecordLoader.loadWarc("/mnt/vol1/data_sets/geocities/  
      warcs", sc)  
5 .keepValidPages()  
6 .map(r => r.getUrl)  
7 .saveAsTextFile("/mnt/vol1/derivative_data/geocities/url-list")
```

Results = 186,761,346 URLs, 9.9GB text file

Extracting a Link Graph

```
1 import org.warcbase.spark.matchbox.{ExtractTopLevelDomain,  
    ExtractLinks, RecordLoader}  
2 import org.warcbase.spark.rdd.RecordRDD._  
3  
4 RecordLoader.loadArc("/mnt/vol1/data_sets/geocities/warcs/*", sc)  
5 .keepValidPages()  
6 .map(r => (r.getCreateDate, ExtractLinks(r.getUrl, r.  
   getContentString)))  
7 .flatMap(r => r._2.map(f => (r._1, ExtractTopLevelDomain(f._1).  
   replaceAll("^\\s*www\\\\.",""), ExtractTopLevelDomain(f._2).  
   replaceAll("^\\s*www\\\\.",""))))  
8 .filter(r => r._2 != "" && r._3 != "")  
9 .countItems()  
10 .filter(r => r._2 > 5)  
11 .saveAsTextFile("/mnt/vol1/data_sets/geocities/geocities.  
    sitelinks")
```

Results

- 1 ((20090903,http://geocities.com/saganaki2000/ADSLGR/adslgr.htm,
http://www.adslgr.com),15337)
- 2 ((20091026,http://geocities.com/saganaki2000/ADSLGR/adslgr.htm,
http://www.adslgr.com),15337)
- 3 ((20091027,http://geocities.com/spankbank69hard/,http://pg.photos
.yahoo.com/ph/spankbank69hard/my_photos/),9807)
- 4 ((20090903,http://geocities.com/spankbank69hard/index.html,http://
/pg.photos.yahoo.com/ph/spankbank69hard/my_photos/),9807)
- 5 ((20091027,http://geocities.com/CollegePark/Locker/8187/,http://
www.comercialuruapan.com),8056)
- 6 ((20090903,http://geocities.com/CollegePark/Locker/8187/,http://
www.comercialuruapan.com),8056)

Creating Entities

403GB of link graph data.

- <http://www.geocities.com/EnchantedForest/Grove/1234/index.html>
- <http://www.geocities.com/EnchantedForest/Grove/1234/pets/cats.html>
- <http://www.geocities.com/EnchantedForest/Grove/1234/pets/dogs.html>
- <http://www.geocities.com/EnchantedForest/Grove/1234/pets/rabbits.html>

Bash-Fu

Find all four digit numbers:

```
sed 's/[()]*//g; s/^,[^,]*,//; s/\([0-9]{4}\)[^,]*/\1/g'  
enchantment-links.txt > enchantment-entities-cleaned1.txt
```

Then find internal:

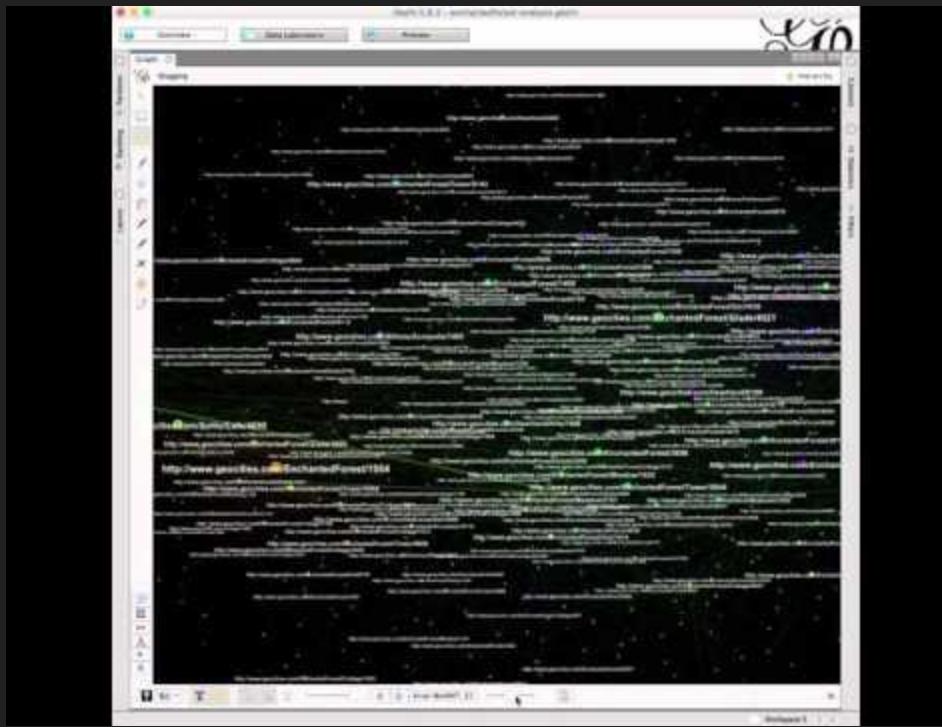
```
grep -P '.*[0-9]{4}{2}' enchantment-entities-cleaned1.txt >  
enchantment-entities-internal.txt
```

Link Structure

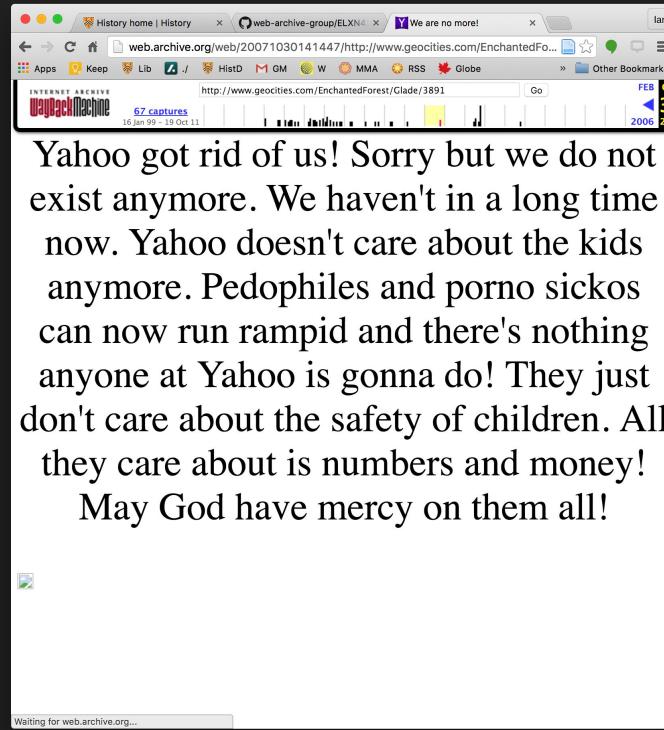
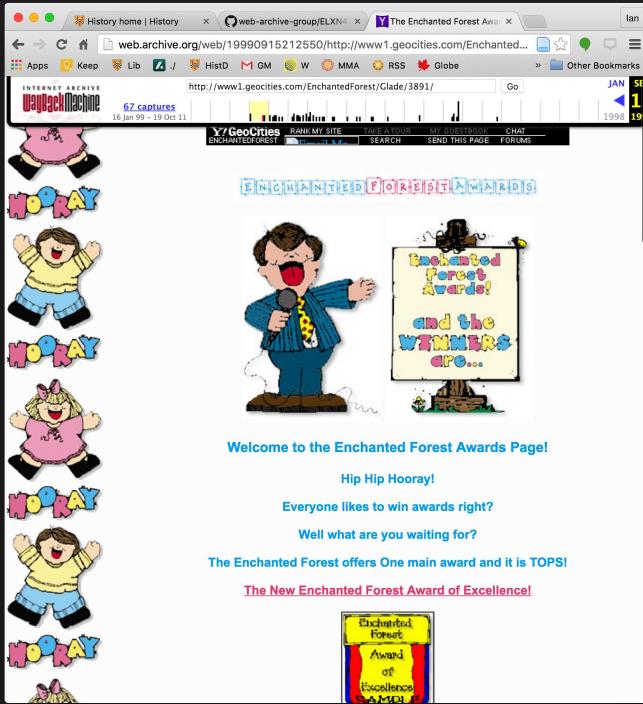
1	Source, Target, Weight
2	http://www.geocities.com/EnchantedForest/Meadow/1134, http://www.geocities.com/EnchantedForest/1004, 83
3	http://www.geocities.com/EnchantedForest/Meadow/1134, http://www.geocities.com/EnchantedForest/1004, 83
4	http://www.geocities.com/Area51/Stargate/1357, http://www.geocities.com/Area51/EnchantedForest/4213, 33
5	http://www.geocities.com/Area51/Stargate/1357, http://www.geocities.com/Area51/EnchantedForest/4213, 33
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geocities.com/WestHollywood/Castro/6902





EnchantedForest/Glade/3891



Historical Uses

- The prevalence of awards pages and awards hubs within this neighbourhood;
- A protest movement that may have emerged when Yahoo! decided to shut down the neighbourhood;
- We can begin to follow links from this awards page, by highlighting it in Gephi, to find pages that hosted awards in connection with it;

We could do Shine indexing, but metadata might be the best way forward.

Also lets us share datasets!

Datasets

Welcome to the Web Archives for Historical Research political parties portal. Before diving in, we encourage you to visit our [about](#) page.

Datasets

We are making several datasets available for users. They will be available through our [Scholars Portal Dataverse entry](#). We currently have available:

- All Links within the Collection, 2005-2015: Available as a GraphML file, this dataset will allow you to reconstruct the link visualization of the collection. A walkthrough for working with this material is [available here](#).

More datasets will be available over the coming months and years. If you have any questions, please contact ian.milligan@uwaterloo.ca

How should I cite this data

Please note that you are using derivative datasets generated by the Web Archives for Historical Research Group (with a URL to our Dataverse additional citation to the original dataset):

- Milligan, Ian; Ruest, Nick; Lin, Jimmy, "Derivative data for the Canadian Political Parties and Interest Groups collection", <http://hdl.handle.net/10864/11301> V7 [Version].
- University of Toronto Libraries, Canadian Political Parties and Interest Groups, Archive-It Collection 227, <https://archive-it.org/collection/227>

Why are we releasing data?

Along with our funding council, the Social Sciences and Humanities Research Council of Canada, we are committed to making our derivative freely available. SSHRC's [Research Data Archiving Policy](#) notes that "SSHRC is committed to the principle that the various forms of research collected with public funds belong in the public domain." We couldn't agree more.

SP Dataverse Network >

POWERED BY THE **Dataverse Network™** PROJECT v. 3.6

Web Archives for Historical Research Group Dataverse

The Web Archives for Historical Research (WAHR) group has the goal of linking history and big data to give historians the tools required to find and interpret digital sources from web archives.

Search Studies Advanced Search Tips

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#	Title	Handle	Downloads	Last Released
1	#MakeDonaldDrumpfAgain tweets	hdl:10864/11491	9 downloads	Mar 4, 2016
2	#elxn42 tweets (42nd Canadian Federal Election)	hdl:10864/11311	11 downloads	Jan 26, 2016
3	#paris #Bataclan #parisattacks #porteouverte tweets	hdl:10864/11322	16 downloads	Dec 15, 2015
4	Derivative data for the Canadian Political Parties and Interest Groups collection	hdl:10864/11301	8 downloads	Dec 12, 2015

Sort By: Global ID

Web Archives for Historical Research Group

#MakeDonaldDrumpfAgain tweets
by Ruest, Nick
Description: Derivative data for #MakeDonaldDrumpfAgain tweets. Tweets can be "hydrated" with Ed Summers' twarc (<https://github.com/edsu/twarc>). twarc.py --hydrate MakeDonaldDrumpfAgain-tweet-ids.txt > MakeDonaldDrumpfAgain.json. Hydrating will recreate... Continue [+]

#elxn42 tweets (42nd Canadian Federal Election)
by Ruest, Nick; Library and Archives Canada
Description: Tweet ids for #elxn42 tweets. Tweets can be "hydrated" with Ed Summers' twarc (<https://github.com/edsu/twarc>). twarc.py --hydrate elxn42-tweet-ids.txt > elxn42-tweets.json. Hydrating will recreate the original tweet(s) in json format, prov... Continue [+]

#paris #Bataclan #parisattacks #porteouverte tweets
by Ruest, Nick
Description: Description Tweet ids for #paris #Bataclan #parisattacks #porteouverte tweets. Tweets can be "hydrated" with Ed Summers' twarc (<https://github.com/edsu/twarc>). twarc.py --hydrate paris-tweet-ids.txt > paris-tweets.json. Hydrating will recre... Continue [+]

Derivative data for the Canadian Political Parties and Interest Groups collection
by Milligan, Ian; Ruest, Nick; Lin, Jimmy
Description: This contains derivative data for the Canadian Political Parties and Interest Groups collection. If you cite this material, please use: University of Toronto Libraries, Canadian Political Parties and Interest Groups, Archive-It Collection ... Continue [+]

Links!

- <https://uwaterloo.ca/web-archive-group/>
- <https://github.com/web-archive-group/>
- <https://github.com/ianmilligan1/>
- <https://github.com/ruebot>
- <http://dataverse.scholarsportal.info/dvn/dv/wahr>



By Napalm filled tires (Wu Tang Clan)

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Wikimedia Commons

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