

Web Archiving:

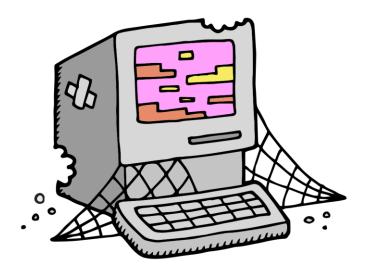
DO IT YOURSELF



hey.

Sara Day Thomson
Digital Archivist
Centre for Research Collections

Why archive the web?



Political movements & activism

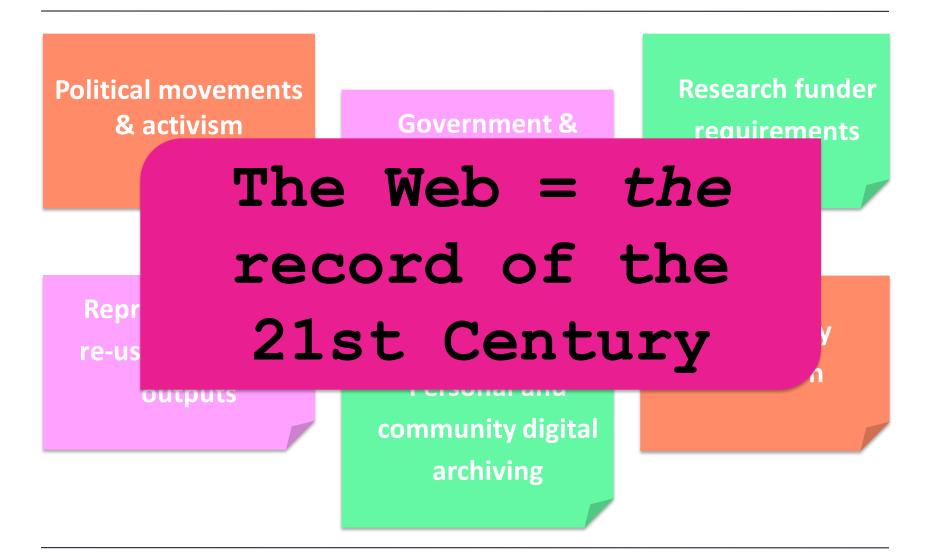
Government & corporate accountability

Research funder requirements

Reproducibility & re-use of research outputs

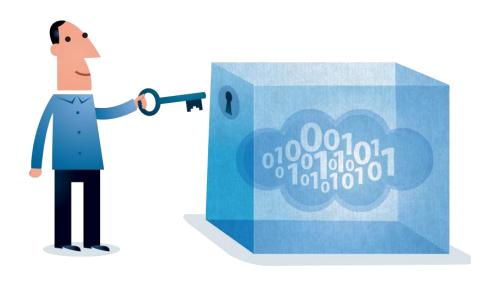
Personal and community digital archiving

Scholarly Citation





Why archive web pages myself?

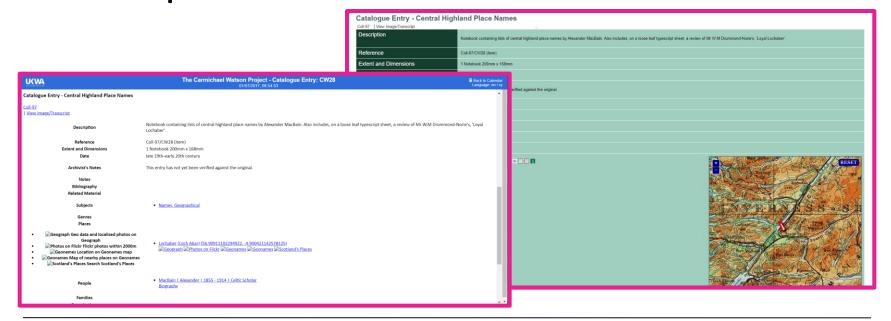




Web page(s) not archived by UKWA or other web archiving programme



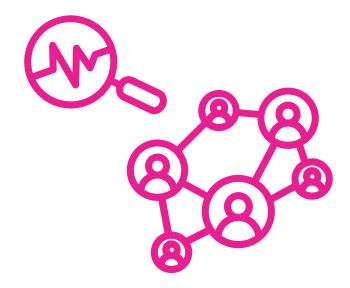
Web page(s) is archived, but is broken or incomplete



Requirement for an offline copy



Requirement for a different format, e.g. social media data



Files required for project documentation, research data management, or personal digital archiving





When to DIY...

- When citing a web resource in a publication
- As soon as a new web page goes online
- Before big changes (e.g. upgrade) or deletion of outof-date content
- Before migrating to a new service or platform





Web pages evolve – if you don't begin collecting at the point of publication, the record of changes over time will be lost

Link Rot

Web page(s) disappears or returns an error (404)

Link Drift

Content on web page or entire domain changes

Study conducted by Harvard Law School:

- >70% of links in a sample of law journals don't work
- >50% of links in Supreme Court opinions don't work



DIY Approaches

- Check other web archives – it might already be archived
- Ask a web archive to do it for you (nominate a web page(s))
- Manually capture a web page(s) with a
 Webrecorder tool
- Download code and files for cheap & cheerful local copy

- Use a citation service
- Harvest machinereadable data (social media)
- Download your data directly from a platform



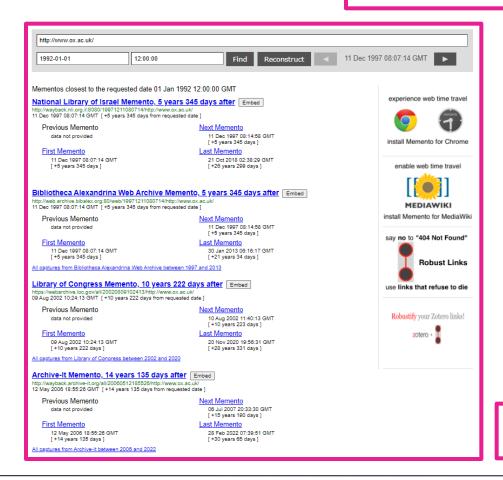
Check other web archives...



https://timetravel.mementoweb.org/

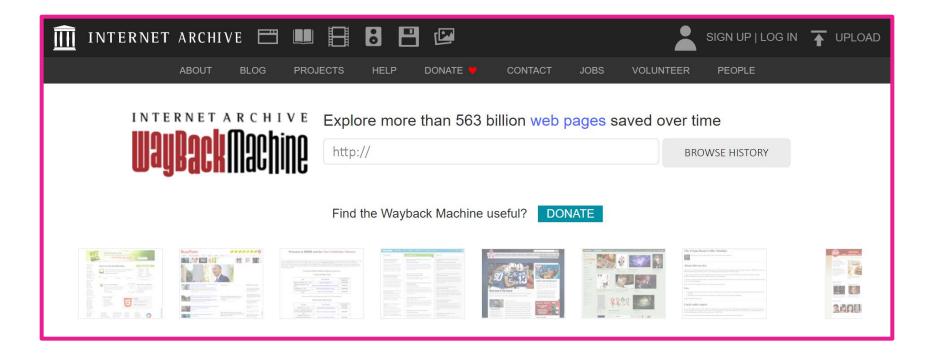
Check other web archives...

https://ox.ac.uk



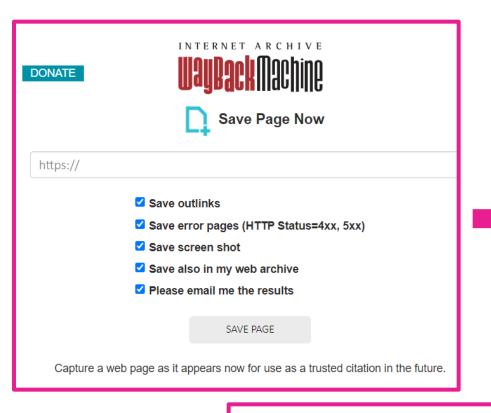
etc etc

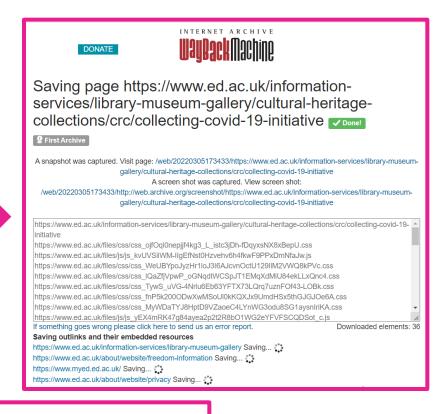
Check other web archives...



https://web.archive.org/

Ask a web archive to do it for you ...





https://web.archive.org/save/



http://www.webarchive.org.uk
/en/ukwa/info/nominate



Save a UK Website

We archive websites:

- 1. That are on a .uk or other UK geographic top-level domain such as .scot or .cymru
- 2. That are published in the UK.

We do not archive:

- 1. Online Sound or Video platforms, in which audio-visual material is the predominant content
- 2. Private Intranets and Emails
- 3. Personal data in social networking sites or websites only available to restricted groups.

Save a UK website

Fields marked with * are mandatory

Personal details you provide on this form are protected by UK Data Protection Law. Please view our Privacy Statement.

* Name

Please enter your name

Email address

Please enter your email address

We need your email address if you require a response from us. It would also be helpful if you are the owner of the nominated website and would like us to make archival copies of the website available through the UK Web Archive.

* Title of website

Please enter the title of website

* URL of the website

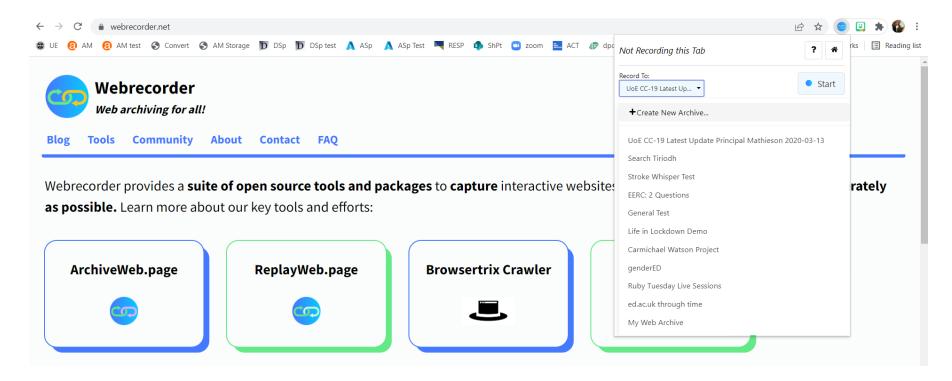
Please enter URL of website

Any other information

Use this space to tell us for example, if you own this website, or if it is about to go offline



Manually capture a web page(s) with Webrecorder...

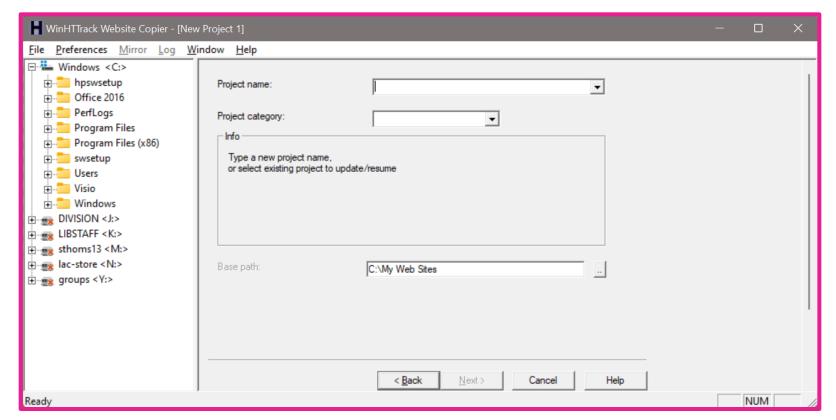


https://webrecorder.net/





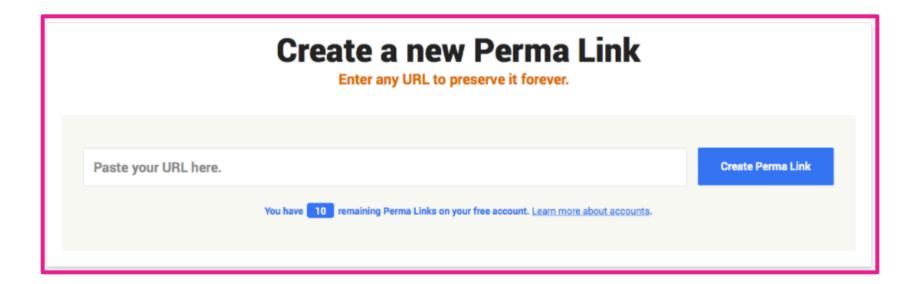
Download code and files for cheap & cheerful local copy...



https://www.httrack.com/



Use a citation service...

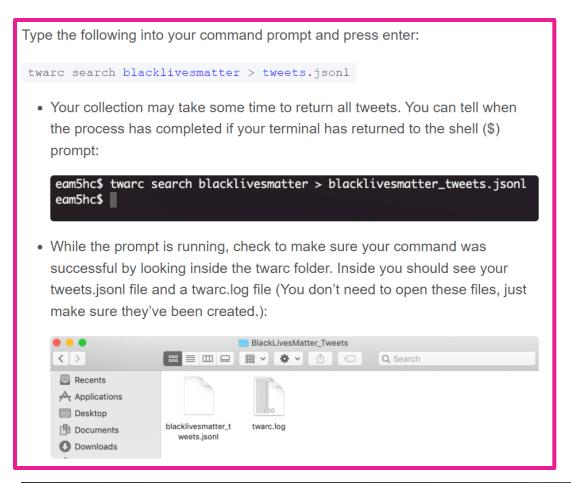


https://perma.cc/

Disclaimer: Paid Service (legal publications)

twarc.py

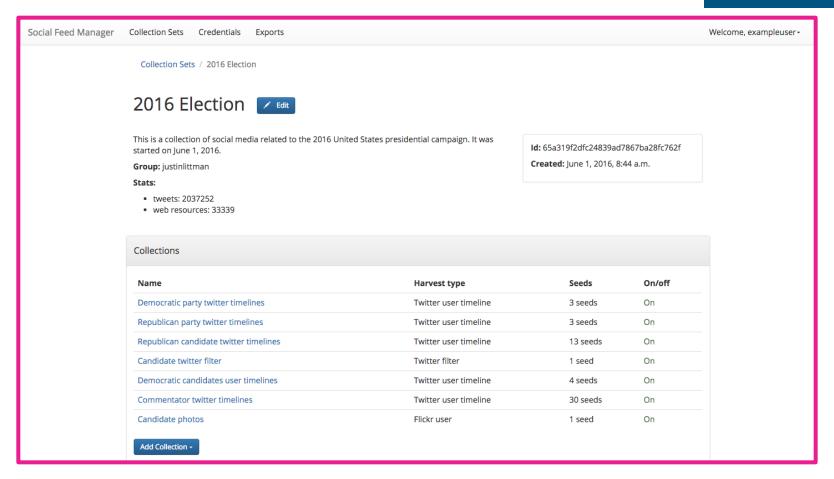
Harvest machine-readable data (social media) ...



https://scholarslab. github.io/learntwarc/

Social Feed Manager

Harvest machine-readable data (social media) ...

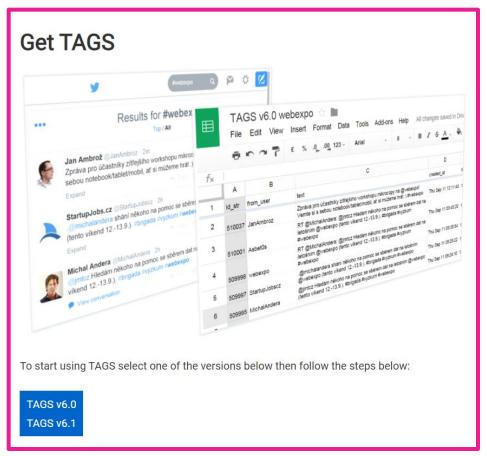


https://social-feed-manager.readthedocs.io/

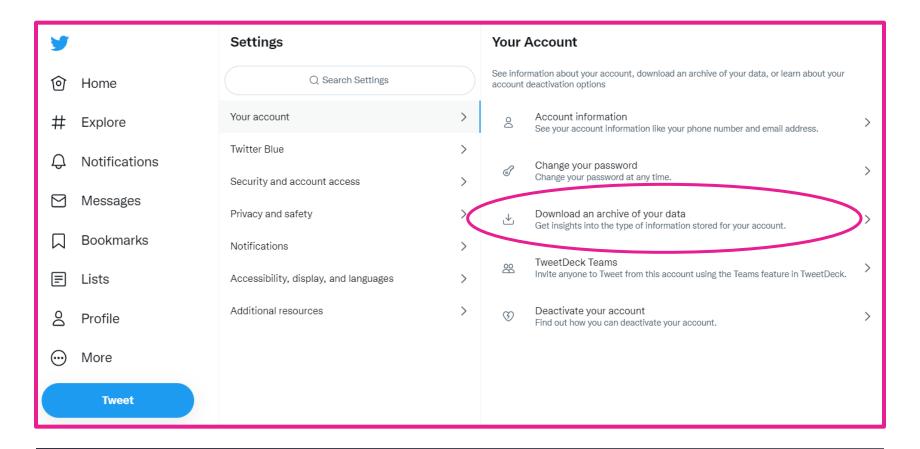
Harvest machine-readable data (social media) ...



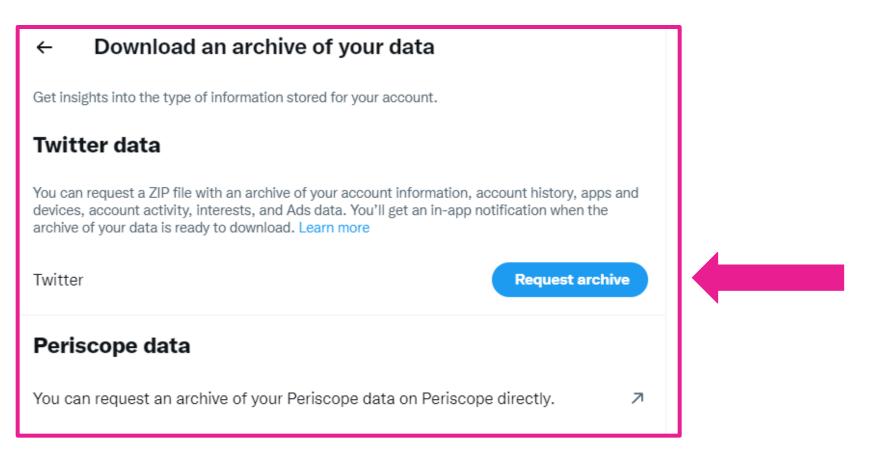
https://tags.hawksey. info/



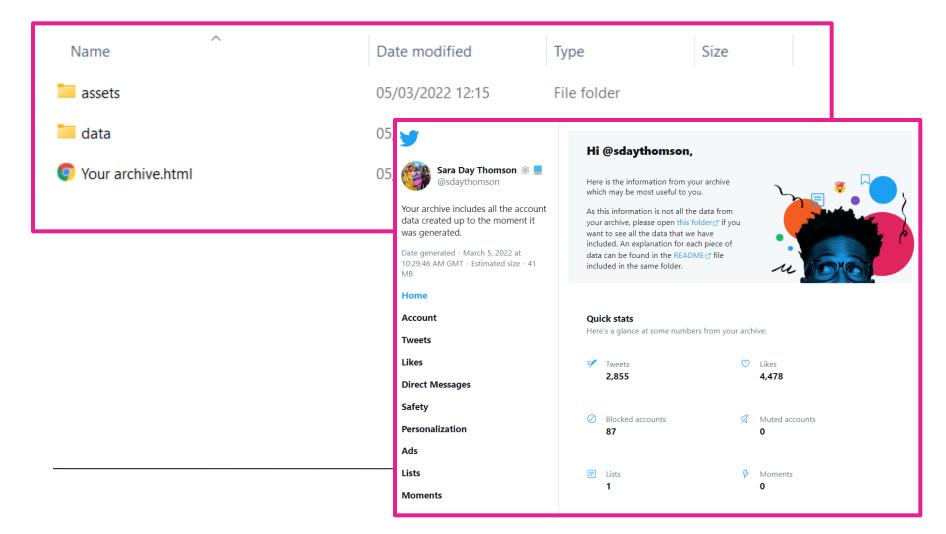
Download your data directly from a platform...



Download your data directly from a platform...



Download your data directly from a platform...



Now for a Demo





http://webrecorder.net/

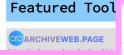
Latest News

Read about the ArchiveWeb.page Chrome Extension for high-fidelity web archiving.

Read about the release of the new OldWeb.today browser emulation system.

Webrecorder Toolset







Introducing ArchiveWeb.page Chrome Extension

I am excited to announce the launch of ArchiveWeb.page, a brand-new high-fidelity web archiving system available as a Chrome extension from the Chrome Web Store

The extension has been tested in latest versions of Chrome, as well as with the Edge and Brave browsers.

In classic Webrecorder style, the extension allows users to 'record' highly interactive websites, including social media, video, customized content, and even local intranet content.

When the original webrecorder.io was launched nearly six years ago, the goal was to allow users to record/capture exactly what is loaded in their browser. At the time, it was not possible to do entirely with a browser extension and an outside proxy server (running on webrecorder.io) was necessary. Now, thanks to evolution of the browser technologies, this original vision of archiving entirely in your browser can finally be realized!

The ArchiveWeb.page extension turns the browser into a full web archiving system, allow users to turn 'recording' mode on any tab, which will then capture/record all the elements of a page exactly as they are loaded. The archived data is then stored in the browser itself, and can be replayed/accessed even when offline. ArchiveWeb.page builds on and complements the ReplayWeb.page system, announced last year.

User Guide

To get users started with the extension right away, we've also launched a detailed User Guide, created by our Community Manager, Lorena Ramírez-López.

Read on below for an overview of some key features in ArchiveWeb.page.

Crawler

- Automated
- Capable of capturing high volume of URLs
- Typically captures minimal metadata
- Doesn't always capture
 AV or dynamic content
- Requires IT configuration and institutional infrastructure

VS

Webrecorder

- Manual
- More effective for small number of URLs
- Supports close qualitative analysis and more detailed metadata
- Excels at capturing high fidelity copies
- Easy to use for nonexperts

https://webrecorder.net/



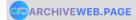
Webrecorder provides a **suite of open source projects and tools** to **capture** interactive websites and **replay** them at a later time as **accurately as possible**.

Latest News

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Featured Tool



is a extension for high-fidelity web archiving using your browser.



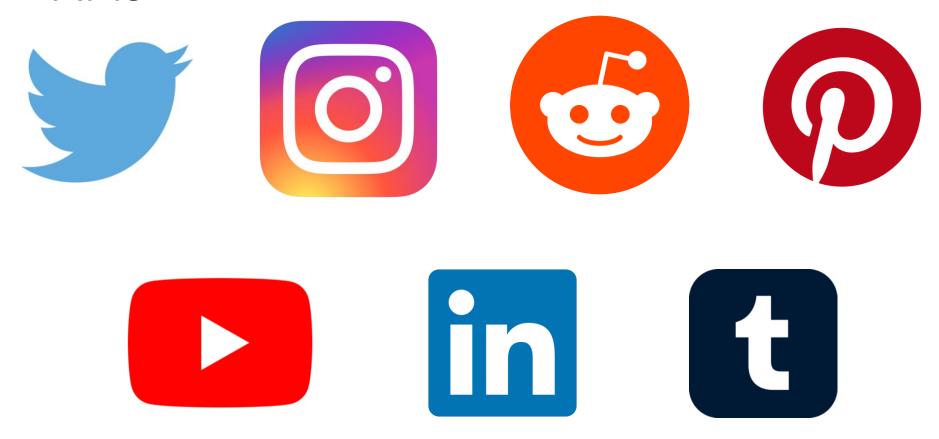


API Harvesting

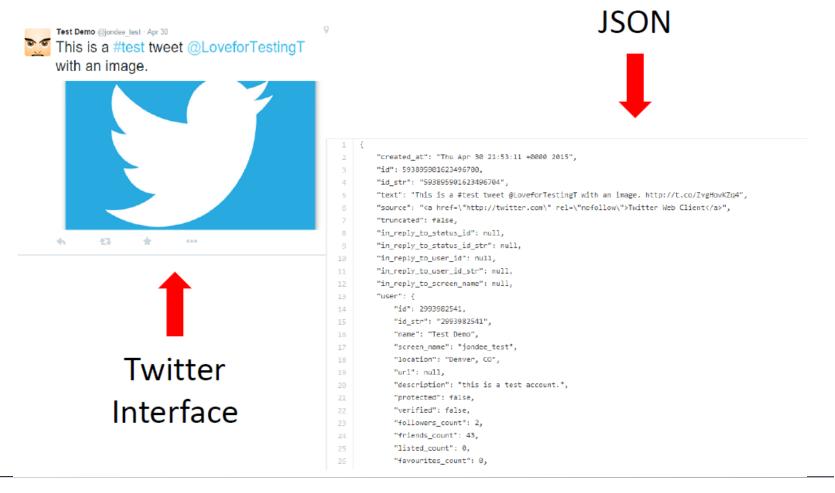
- Application Programming Interface – backdoor to platform
- Harvest the underlying data
 - Machine-readable (JSON, XML)
 - Rich metadata
- Only available on certain platforms

- Licenced under Terms of Service
- Supports linking datasets from different sources
- More complex personal data issues

APIs



Twitter Data



Tweet Elements

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{ "user": {
    "id": 6253282,
    "id str": "6253282",
    "name": "Twitter API",
    "screen_name": "TwitterAPI",
    "location": "San Francisco, CA",
    "url": "https://developer.twitter.com",
    "description": "The Real Twitter API. Tweets
about API changes, service issues and our Developer
Platform. Don't get an answer? It's on my website.",
    "verified": true,
    "followers count": 6129794,
    "friends_count": 12,
    "listed_count": 12899,
    "favourites count": 31,
    "statuses_count": 3658,
    "created_at": "Wed May 23 06:01:13 +0000 2007",
```

Twitter Terms & Conditions: Re-sharing

I.F.2.b.i. You may not distribute more than 1,500,000 Tweet IDs to any entity (inclusive of multiple individual users associated with a single entity) within any given 30 day period, unless you are doing so on behalf of an academic institution and for the sole purpose of non-commercial research or you have received the express written permission of Twitter.

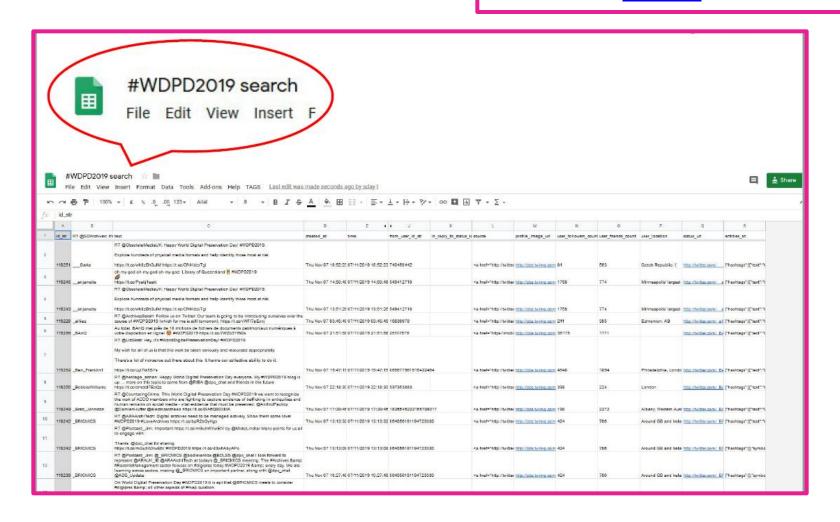
Twitter's Developer Policies for Researchers, Archivists, and Librarians



https://medium.com/onarchivy/twitters-developer-policiesfor-researchers-archivists-andlibrarians-63e9ba0433b2



https://tags.hawksey.info/



Questions?



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