

Hack your CMS (and the rest of the web)

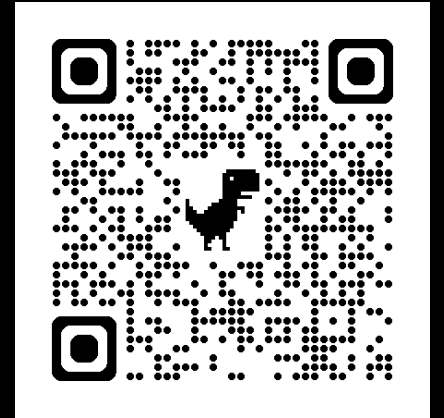
# Tampermonkey 101

Jonathan Soma

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Columbia University

[bit.ly/dh-tampermonkey](https://bit.ly/dh-tampermonkey)





# Tampermonkey®

by Jan Biniok

en ▼

Home

Userscripts

Support

Changes

Contribute

About

Chrome

Microsoft Edge

Firefox

Safari

Opera Next

Tampermonkey is one of the most popular browser extensions across all major browsers. It's available for [Chrome](#), [Microsoft Edge](#), [Safari](#), [Opera Next](#), and [Firefox](#).

It allows its users to customize and enhance the functionality of your favorite web pages. Userscripts are small JavaScript programs that can be used to add new features or modify existing ones on web pages. With Tampermonkey, you can easily create, manage, and run these userscripts on any website you visit.

For example, with Tampermonkey, you could add a new button to a web page that lets you quickly share a link on social media, or to automatically fill in a form with your personal information. This is especially useful in the age of digitization, where web pages are often used as user interfaces for accessing a wide range of services and applications.


Additionally, Tampermonkey makes it easy to find and install userscripts created by other users. This means that you can quickly and easily access a vast library of customizations and enhancements for your favorite web pages, without having to spend hours writing your own code.

Whether you're a web developer looking to add new features to your site, or just a regular user looking to improve your online experience, Tampermonkey is a great tool to have in your toolkit.



Scan the [QR code](#) to use Tampermonkey on your Android phone/tablet via Microsoft Edge

Microsoft | Edge Add-on



# Tampermonkey

Extension | JavaScript

★★★★☆ (5.1)



# Tampermonkey

Userscript manager


\$2.99

View in Mac App Store



# Firefox Browser ADD-ONS

Extensions



# Tampermonkey


by **Jan Biniok**

Tampermonkey is the world's

Available on Firefox for Android

chrome web store

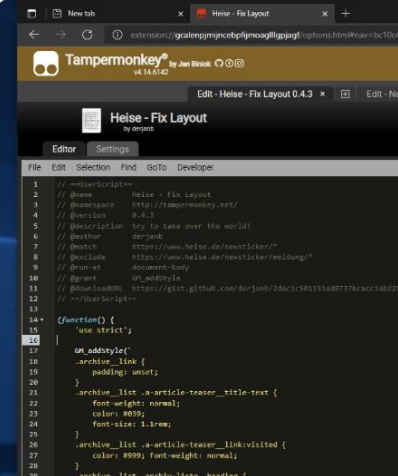
Discover Extensions Themes



# Tampermonkey

<http://tampermonkey.net/> Featured

Extension Workflow & Planning 12,000,000 users



```

1 // ==UserScript==
2 // @name         Heise - Fix Layout
3 // @namespace    http://tampermonkey.net/
4 // @version      0.4.3
5 // @description  try to take over the world!
6 // @author       derjanb
7 // @match       https://www.heise.de/news/*
8 // @include     https://www.heise.de/news/*
9 // @run-at       document-body
10 // @grant       GM_addStyle
11 // @homepageURL https://github.com/derjanb/2ba1c58151a8777ccac1ab2948
12 // @userScript
13
14 (function() {
15     'use strict';
16
17     onAddStyle('
18     .archive_link {
19         padding: unset;
20     }
21     .archive_list .a-article-teaser_title-text {
22         font-weight: normal;
23         color: #0033;
24         font-size: 1.1rem;
25     }
26     .archive_list .a-article-teaser_linkvisited {
27         color: #999; font-weight: normal;
28     }
29     .archive_list .archiv-liste_heading {

```

53 RATINGS

3.2

★★★★☆

AGE RATING

4+

Years

Also Included In



Tampermonkey Bundle

Productivity

## Description

Enhance your browsing experience

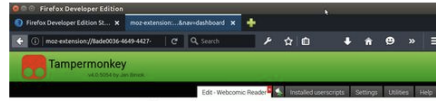
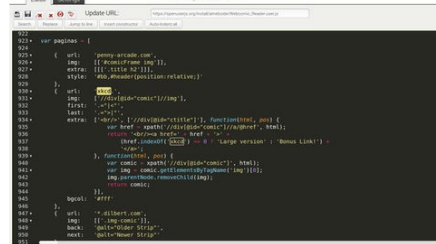
Tampermonkey is a versatile browser extension that allows you to run userscripts on websites.

Userscripts are small programs that can be used to modify the appearance and behavior of websites.

[Show more](#)

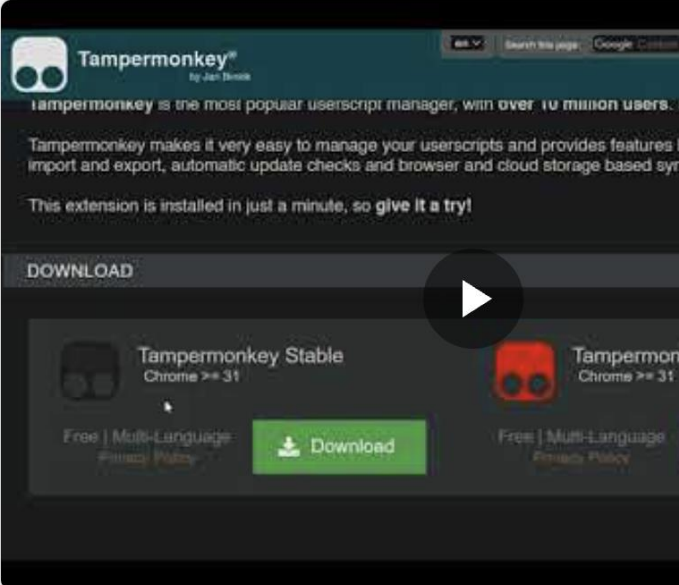


## Screenshots

## About this extension

Tampermonkey is the most popular userscript manager available for Chrome, Microsoft Edge, Safari, and Firefox.



Tampermonkey is the most popular userscript manager, with over 10 million users.

Tampermonkey makes it very easy to manage your userscripts and provides features like import and export, automatic update checks, and browser and cloud storage based sync.

This extension is installed in just a minute, so give it a try!

DOWNLOAD

Tampermonkey Stable Chrome >= 31

Free | Multi-Language | Privacy Policy

Download



Userscripts

2005



Firefox Browser

ADD-ONS

Extensions

Themes

More



Greasemonkey

by Anthony Lieuallen

Customize the way a web page displays or behaves, by using :

Available on Firefox for Android™

★ 4.2 (1,291 reviews)



2010



Tampermonkey®

by Jan Biniok



Violentmonkey

An open source userscript manager.

Get Started

GitHub

2014

# What can a userscript do?

- Custom scripts on every single page
- Inject CSS!
- Inject JavaScript!
- Add buttons, new features!
- Browser automation!
- *All of those things you use Playwright or whatever to do in Python, but with the bonus of being much less effort to deal with*

Info Code History Feedback (83) Stats

# Resize YT To Window Size

Moves the YouTube video to the top of the website and fill the window with the video player.

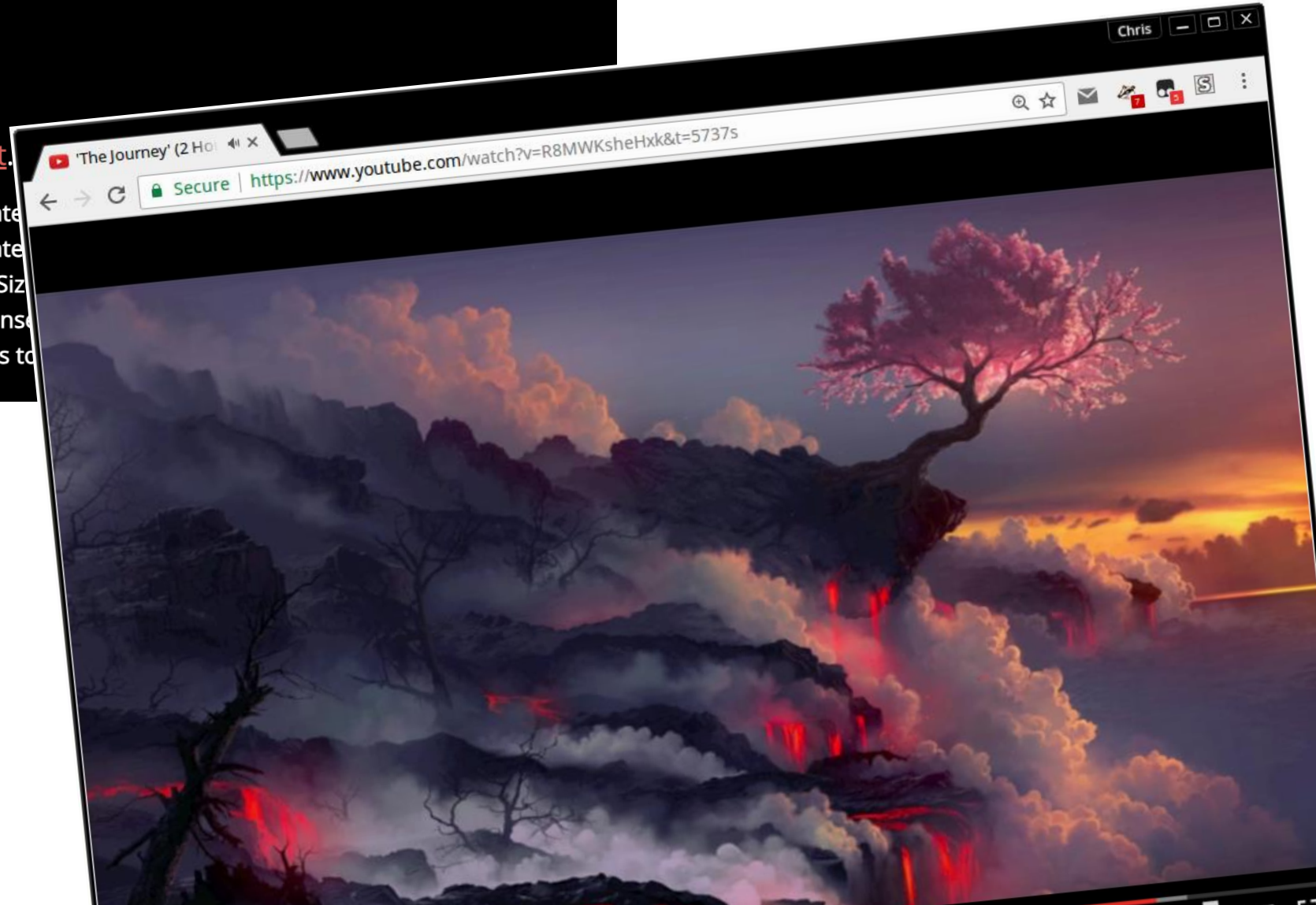
Install this script

?

[Ask a question](#), [post a review](#), or [report the script](#).

Author [Zren](#)  
Daily installs 0  
Total installs 18,435  
Ratings 112 12 2  
Version 139

Create  
Update  
Size  
License  
Applies to



Patch Notes

PLAY GAME

SETTINGS

SHOP

LOCKER

LEADERBOARD

Daily

Weekly

## Daily Challenges:

Log in to view  
Daily Challenges



Info

Code

History

Feedback (1)

Stats

## Deadshot.io AimAssist + Stats + Controls + Keylogger UI Plug n' Play

Toggle aim assist with M key and UI buttons; overlay with crosshair and stats for deadshot.io

Install this script



[Ask a question](#), [post a review](#), or [report the script](#).

# PLAY

Private

Join

Join the community!!

## [Spelling Bee Buddy Simplify](#)

Removes used hints from NYT Spelling Bee Buddy

Author [PatrykCholewa](#)  
Daily installs 0  
Total installs 1

Ratings   
Created Oct  
Updated Oct

## [Wordle Solution](#)

Don't let wordle intimidate you, for you will always win. Hover over the word!

Author [Alex-M-Howard](#)  
Daily installs 0  
Total installs 38

Ratings   
Created Jul 1  
Updated Jul 1

## [Bypass New York Times paywall](#)

No more NYT paywall anymore, and no more ads too!

Author [Kudos Beluga](#)  
Daily installs 0  
Total installs 1,575

Ratings   
Created Jun  
Updated Jun

## [The New York Times Paywall Bypass](#)

Removes paywalls when trying to view content on The New York Times

Author [joshcancode](#)  
Daily installs 0  
Total installs 1,650

Ratings   
Created Feb  
Updated Feb

## [Washington Post Paywall Bypass](#)

Removes the Washington Post paywall

Author [Dylan Boltz](#)  
Daily installs 0  
Total installs 1,715

## [Glassdoor Paywall Remover Patche](#)

Hide the Glassdoor Paywall & Remove Scribbles

Author [dcodebro](#)  
Daily installs 0  
Total installs 1,653

## [Bypass paywalls for scientific docur](#)

Bypass paywalls for scientific documents & articles. This script adds download buttons on Google Scholar to provide free access to scientific papers even if you are behind a paywall.

Author [StephenP](#)  
Daily installs 3  
Total installs 17,604

## [LA Times, Paywall Removal](#)

Disables paywall and renables scrolling

Author [grantbacon](#)  
Daily installs 0  
Total installs 515

## [Business Insider Paywall Remover](#)

removes the article paywall from business insider

Author [tickl](#)  
Daily installs 0  
Total installs 245

## [Bypass Paywalls Clean - fr](#)

Bypass Paywalls of news sites

Author [bpc-relay-bot](#)  
Daily installs 2  
Total installs 136

## [Tagesanzeiger Paywall Remover](#)

The userscript removes the "paywall" message on Tagesanzeiger

Author [fabacam](#)  
Daily installs 0  
Total installs 273

## [Bypass paywalls with google tex](#)

Redirects websites with paywalls to a google cache but does not only show text

Author [jswill88](#)  
Daily installs 1  
Total installs 1,109

## [MIT Technology Review Paywall](#)

Remove the paywall on MIT Technology Review

Author [devnoname120](#)  
Daily installs 0  
Total installs 318

## [StarTribune.com Paywall Bypass](#)

None

Author [November2246](#)  
Daily installs 0  
Total installs 6

## [Bypass MyStatesman paywall](#)

Hides modal overlays, restores scrollbar

Author [Tom Pain](#)  
Daily installs 0  
Total installs 35

## [Wealth of Nations](#)

block paywall on the economist

Author [thebspatrol](#)  
Daily installs 0  
Total installs 836

## [Glassdoor Paywall Remover 20](#)

Remove the Glassdoor Popups

Author [HachiroSan](#)  
Daily installs 0  
Total installs 269

## [Bypass paywall of fknc.top](#)

Infinite free trial for fknc.top

Author [mokurin000](#)  
Daily installs 0  
Total installs 4



# Building Permit & Inspection Records

Search

[Building Permit Application Status](#)

[Circuit Court Case Status](#)

[Administrative Hearing Case Status](#)

## Building Permit and Inspection Records Search

Please enter a building address:

Building address \*

100 E RANDOLPH ST

Submit

If the Department of Buildings electronic record system contains data about the address entered above, a search will return data on associated address range(s), building attributes, building permits, building code enforcement case activity, inspections conducted by the Department of Buildings, and alleged code violations cited by the Department of Buildings.

\* Indicates required field



# Building & Inspection

## BUILDING PERMITS

PERMIT #	DATE ISSUED	DESCRIPTION OF WORK
101079557	03/18/2026	SELF-CERT 2019 CBRC: BUSINESS - RENOVATION OF EXISTING RETAIL CAFE SPACE. WORK TO INCLUDE NON-BEARING INTERIOR PARTITIONS, MILLWORK, PLUMBING, MECHANICAL, AND ELECTRICAL.
101069480	08/14/2025	"CINNABON" ON WEST ELEVATION
101069481	08/14/2025	"RAINBOW CONE" ON WEST ELEVATION
1010694		"ANNIE'S" ON WEST ELEVATION
101066		RESTAURANT SPACE. INTERIOR DEMOLITION OF NON LOAD BEARING WALLS, NEW NON BEARING ARCHITECTURAL WORK. NEW INTERIOR FINISHES AND INTERIOR INSPECTIONS **

Search Results

## Building Permit a

## DEPARTMENT OF BUILDINGS INSPECTIONS

INSP #	INSPECTION DATE	STATUS	TYPE DESCRIPTION
14781541	04/10/2026	PARTIAL PASSED	DOB PLUMBING INSPECTION
14777191	04/10/2026	PASSED	PERMIT INSPECTION
14721183	03/24/2026		

### Disclaimer

The information presented on this page is for informational purposes only. The information issued does not confirm that work was completed or inspected.

Information on inspections and a list of violations or the current condition of a building can be found on the Building Code Enforcement Case Activity page.

## BUILDING CODE ENFORCEMENT CASE ACTIVITY

CASE NUMBER	CASE TYPE	VIOLATIONS	PERMIT INSPECTION # 14678972 INSPECTION DATE: 12/02/2025	Number of Violations: 14
815C0434851				
24E0704534		EV1111	Failed to maintain hydraulic elevator equipment provided at premises in safe and sound working condition. (13-196-590, 13-196-630(b), 18-30-001)	VIOLATION DETAILS
24EVA0696943		EV1111	Failed to maintain hydraulic elevator equipment provided at premises in safe and sound working condition. (13-196-590, 13-196-630(b), 18-30-001)	Install code compliant pit ladder. Both cars

INPUT 100 E



# Building Permit & Inspection Records

Search **Results**

[Building Permit Application Status](#) [Circuit Court Case Status](#) [Administrative Hearing Case Status](#)

## Building Permit and Inspection Records

### Disclaimer

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Information on inspections and alleged violations reflect conditions found by the inspector at the time of the inspection and not necessarily the current status of those alleged violations or the current condition of the property. The absence of alleged violations on this website does not mean a building or property is in compliance with the requirements of the Municipal Code.

The Department of Buildings may refer certain alleged violations to the City's Department of Law for enforcement proceedings in the Department of Administrative Hearings or the Circuit Court of Cook County. Please contact the [Department of Administrative Hearings](#) or the [Clerk of the Circuit Court](#), respectively to obtain records of these proceedings.

### INPUT ADDRESS

100 E RANDOLPH ST

### RANGE ADDRESS

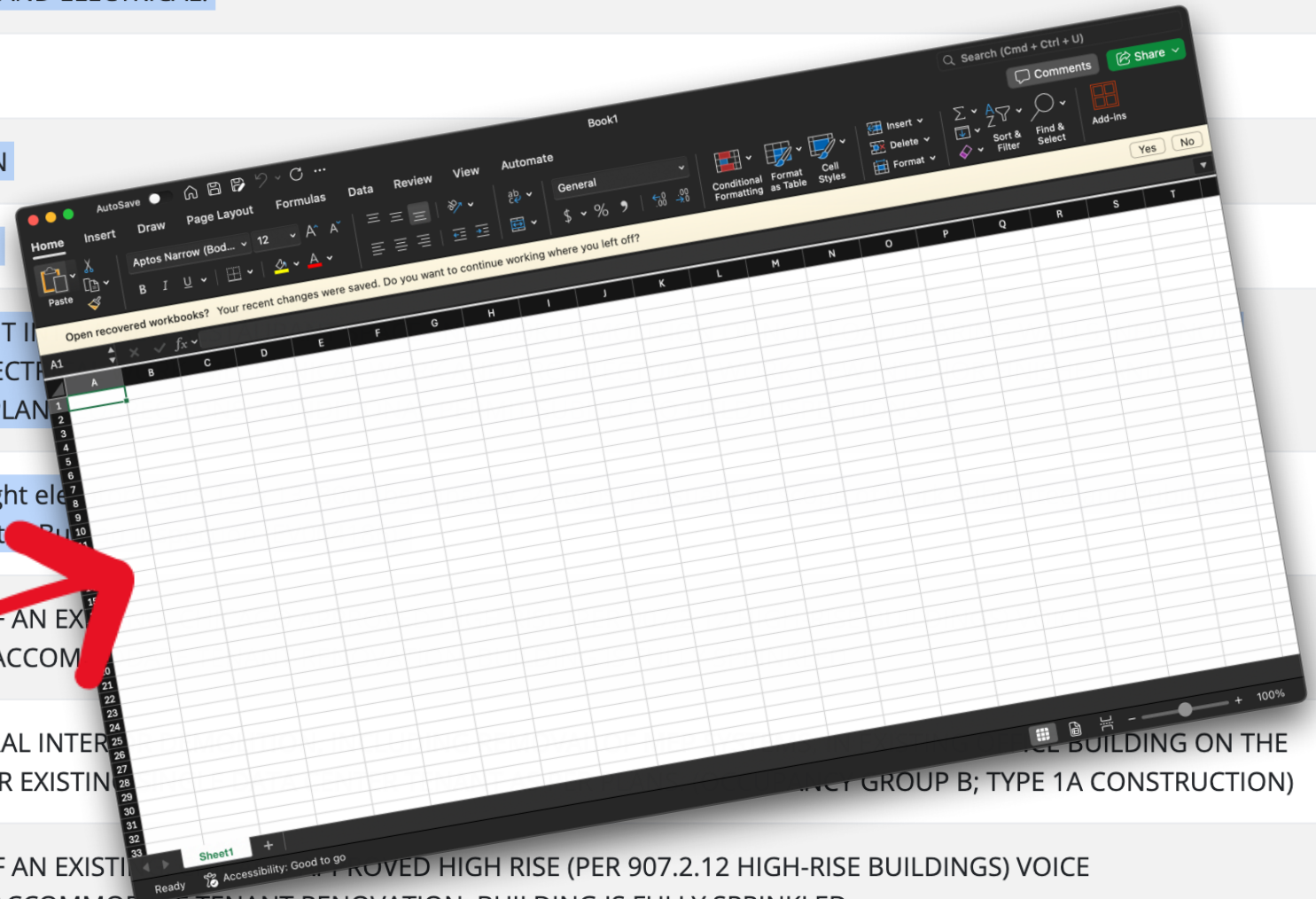
- 100-118 E RANDOLPH ST CHICAGO IL 60601
- 101-119 E LAKE ST CHICAGO IL 60601
- 150-198 N BEAUBIEN CT CHICAGO IL 60601
- 151-199 N MICHIGAN AVE CHICAGO IL 60601

### BUILDING PERMITS

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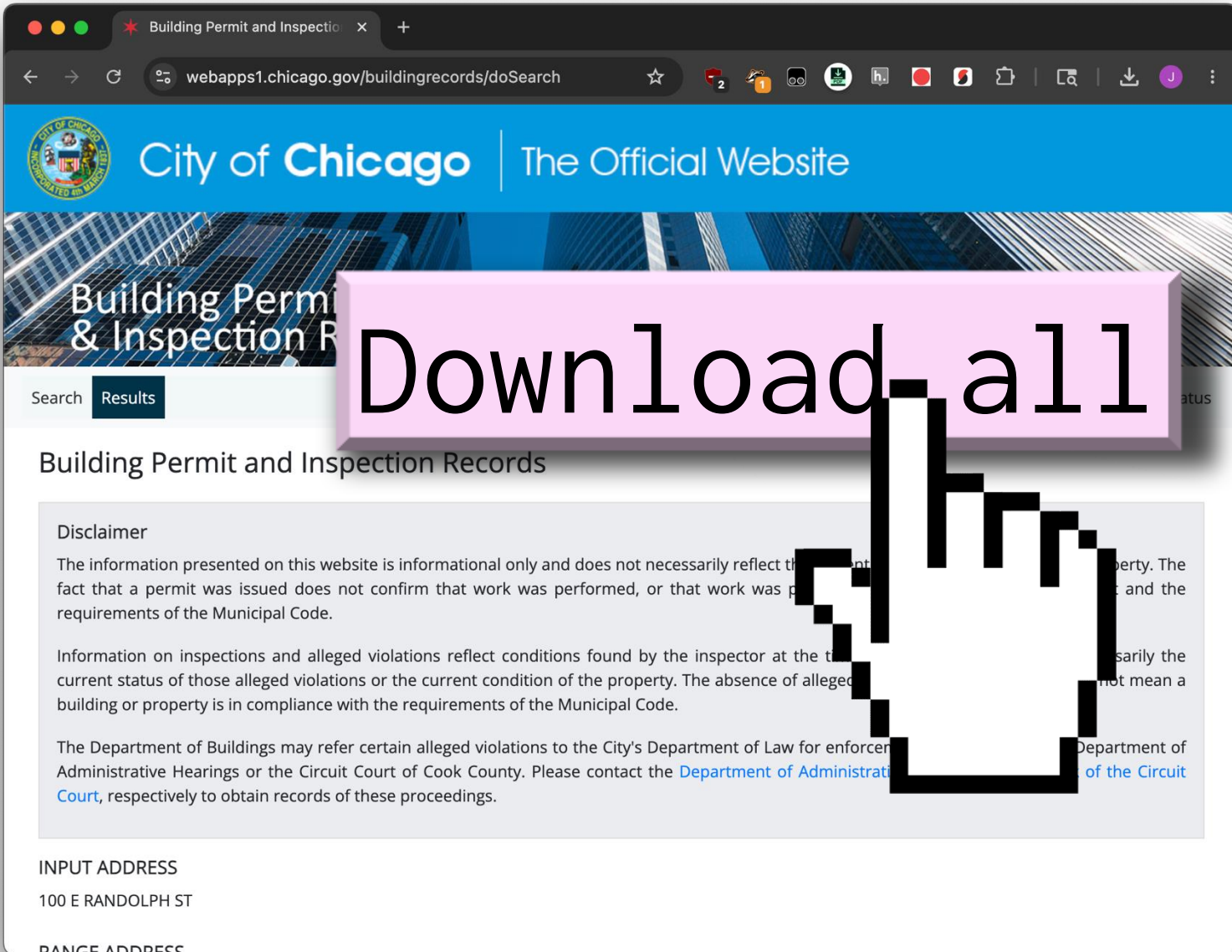
# BUILDING PERMITS

PERMIT #	DATE ISSUED	DESCRIPTION OF WORK
101079557	03/18/2026	SELF-CERT 2019 CBRC: BUSINESS - RENOVATION OF EXISTING RETAIL CAFE SPACE. WORK TO INCLUDE NON-BEARING INTERIOR PARTITIONS, MILLWORK, PLUMBING, MECHANICAL, AND ELECTRICAL.
101069480	08/14/2025	"CINNABON" ON WEST ELEVATION
101069481	08/14/2025	"RAINBOW CONE" ON WEST ELEVATION
101069479	08/14/2025	"AUNTIE ANNE'S" ON WEST ELEVATION
101066613	06/17/2025	RENOVATION OF EXISTING RESTAURANT INCLUDING REINFORCING LOAD BEARING WALLS, PLUMBING, ELECTRICAL, AND MECHANICAL EQUIPMENT. PER PLANS **CERTIFIED PLAN
101065938	02/26/2025	Modernization of (2) two hydraulic freight elevators. City of Chicago Dept. of Buildings Elevator Permit
101042355	02/01/2024	**FIRE ALARM PERMIT** EXTENSION OF AN EXISTING EVACUATION/FIRE ALARM SYSTEM TO ACCOMMODATE RENOVATION
101032108	01/16/2024	SELF-CERT 2019 CBRC: NON-STRUCTURAL INTERIOR PARTITION WORK ON 2ND, 3RD FLOORS, AND BASEMENT FOR EXISTING BUILDING ON THE WEST SIDE OF THE STREET (TYPE GROUP B; TYPE 1A CONSTRUCTION)
101026290	09/20/2023	**FIRE ALARM PERMIT** EXTENSION OF AN EXISTING EVACUATION/FIRE ALARM SYSTEM TO ACCOMMODATE TENANT RENOVATION. BUILDING IS FULLY SPRINKLED. IMPROVED HIGH RISE (PER 907.2.12 HIGH-RISE BUILDINGS) VOICE



“But that’s too much work!”

Let’s talk about adding buttons and actions to websites



# Building Permit & Inspection Records

Download all

Search Results

## Building Permit and Inspection Records

### Disclaimer

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Information on inspections and alleged violations reflect conditions found by the inspector at the time of the inspection. This does not necessarily reflect the current status of those alleged violations or the current condition of the property. The absence of alleged violations does not mean a building or property is in compliance with the requirements of the Municipal Code.

The Department of Buildings may refer certain alleged violations to the City's Department of Law for enforcement, the Department of Administrative Hearings or the Circuit Court of Cook County. Please contact the [Department of Administrative Hearings](#) or the [Circuit Court of Cook County](#), respectively to obtain records of these proceedings.

INPUT ADDRESS

100 E RANDOLPH ST

RANGE ADDRESS

Chicago Building Records - Download All Tables to Excel 0.3

Tampermonkey® by Jan Biniok v5.4.1

Chicago Building Records - Download All Tables to Excel


Editor Settings Externals

```
File Edit Selection Find GoTo Developer
1 // ==UserScript==
2 // @name Chicago Building Records - Download All Tables to Excel
3 // @namespace https://jsoma.github.io/
4 // @version 0.3
5 // @description Adds a lightweight Download All button to Chicago building records pages and exports result tables to XLSX,
6 // @match https://webapps1.chicago.gov/buildingrecords/*
7 // @require https://cdn.jsdelivr.net/npm/xlsx@0.18.5/dist/xlsx.full.min.js
8 // @grant none
9 // ==/UserScript==
10
11 (function () {
12     "use strict";
13
14     const TABLE_NAME_BY_ID = {
15         resultstable_permits: "Permits",
16         resultstable_caseactivity: "Case Activity",
17         resultstable_inspections: "Inspections",
18         resultstable_codeviolations: "Code Violations",
19         resultstable_buildingattributes: "Building Attributes",
20         resultstable_rangeaddress: "Range Address",
21         resultstable_address: "Address",
22     };
23
24     const sleep = ms => new Promise(resolve => setTimeout(resolve, ms));
25
26     function cleanText(value) {
27         if (value == null) return "";
28
29         value = String(value);
30     }
31 }
```

Building Permit and Inspection

websites1.chicago.gov/buildingrecords/doSearch

Download all tables (.xlsx) Debug / status Chicago Building Records exporter



City of Chicago | The Official Website

# Building Permit & Inspection Records

Search Results Building Permit Application Status Circuit Court Case Status Adm

## Building Permit and Inspection Records

Disclaimer

# Building Permit & Inspection Records

Search

Results

Building Permits

## Building Permit and Inspection Records

### Disclaimer

The information presented on this website is informational only and the fact that a permit was issued does not confirm that work was performed in accordance with the requirements of the Municipal Code.

Information on inspections and alleged violations reflect the current status of those alleged violations or the current condition of the building or property is in compliance with the requirements of the Municipal Code.

The Department of Buildings may refer certain alleged violations to Administrative Hearings or the Circuit Court of Cook County. Please see [Circuit Court](#), respectively to obtain records of these proceedings.

INPUT ADDRESS

### Export debug / status

Close

This export includes each original text column plus a matching `__urls` column. It also adds `_row_background_color` so gray section/header rows can be reconstructed later. Cells with exactly one URL are also given an Excel hyperlink.

Refresh table scan

```
URL: https://webapps1.chicago.gov/buildingrecords/doSearch
Input address: The information presented on this website is informational only and does not necessarily reflect the current condition of the building or property. The fact that a permit was issued does not confirm that work was performed, or that work was performed in accordance with that permit and the requirements of the Municipal Code.
```

```
Tables detected: 4
```

```
Table: resultstable_permits
```

```
  Name: Permits
```

```
  DOM rows: 767
```

```
  DataTables rows: n/a
```

```
Table: resultstable_caseactivity
```

```
  Name: Case Activity
```

```
  DOM rows: 10
```

```
  DataTables rows: n/a
```

```
Table: resultstable_inspections
```

```
  Name: Inspections
```

```
  DOM rows: 756
```



“But that’s still too much  
work!”

Let’s talk about uploading content and having it automate processes  
for you

```
1 // ==UserScript==
2 // @name Chicago Building Reco
3 // @namespace https://jsoma.github.
4 // @version 0.4.0
5 // @description Paste Chicago addresse
6 // @author Jonathan Soma
7 // @match https://webapps1.chicag
8 // @match https://webapps1.cityo
9 // @run-at document-idle
10 // @require https://cdn.jsdelivrivr.ne
11 // @grant GM_addStyle
12 // @grant GM_getValue
13 // @grant GM_setValue
14 // @grant GM_deleteValue
15 // ==/UserScript==
16
17 (function () {
18     "use strict";
19
20     if (window.top !== window.self) return;
21
22     const STORE_KEY = "cbrBatchExport:state";
23     const LOG_KEY = "cbrBatchExport:logs:v1";
24     const MAX_LOGS = 300;
25     const MAX_ATTEMPTS = 2;
26     const BATCH_ADVANCE_DELAY_MS = 900;
27     const DATATABLE_WAIT_MS = 4500;
28     const SEARCHING_PAGE_KICK_MS = 3500;
29
30     const TABLE_NAME_BY_ID = {
31         resultstable_permits: "Permits",
32         resultstable_caseactivity: "Case Activity",
33         resultstable_inspections: "Inspections",
34         resultstable_violations: "Code Violations",
35         resultstable_codeviolations: "Code Violat",
36         resultstable_attributes: "Building Attrib",
37         resultstable_buildingattributes: "Building",
38         resultstable_rangeaddress: "Range Address"
```

City of Chicago | The Official Website

# Building Permit & Inspection Records

Building Permit Application Status    Circuit Court Case Status    Administrative Hearing Case Status

Search

## Building Permit and Inspection Records Search

Please enter a building address:

Building address \*

If the Department of Buildings electronic record system contains data about the address entered above, a search will return data on associated address range(s), building attributes, building permits, building code enforcement case activity, inspections conducted by the Department of Buildings, and alleged code violations cited by the Department of Buildings.

\* Indicates required field

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**CBR batch**





# Building Permit & Inspection Records

Search

## Building Permit and Inspection Records

Please enter a building address:

### Chicago Building Records Batch Export

Close

#### Addresses

100 e randolph st  
121 N lasalle st  
1600 w division st

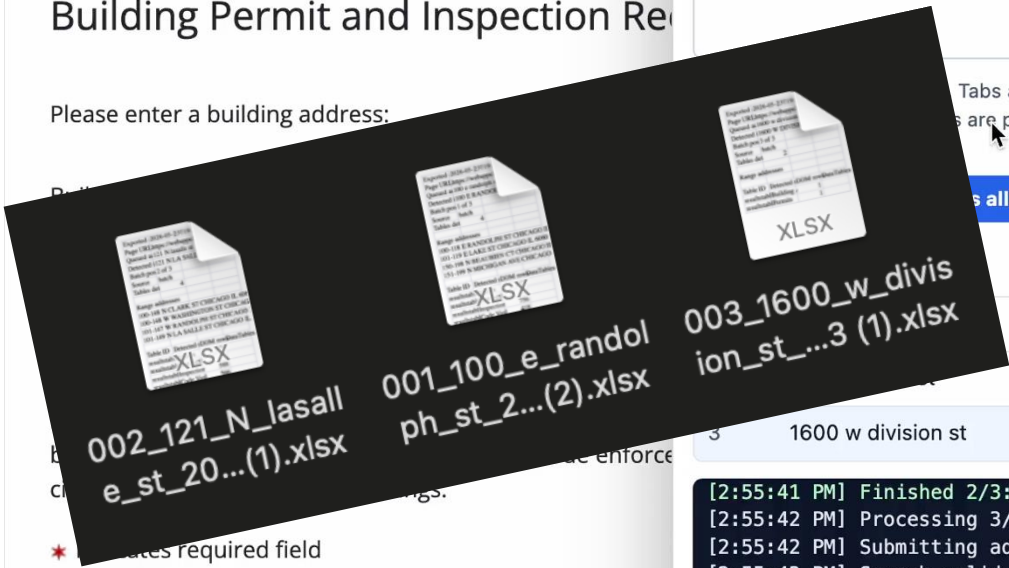
#### Status

Page: search form  
Batch: idle  
Current: 3/3: 1600 w division st  
Counts: 3 pending, 0 processing, 0 visited, 0 done, 0 error  
Tables on page: 0

Previous Next Download current  
Refresh scan Clear log

Tabs are OK when pasting  
are preserved inside

all Stop



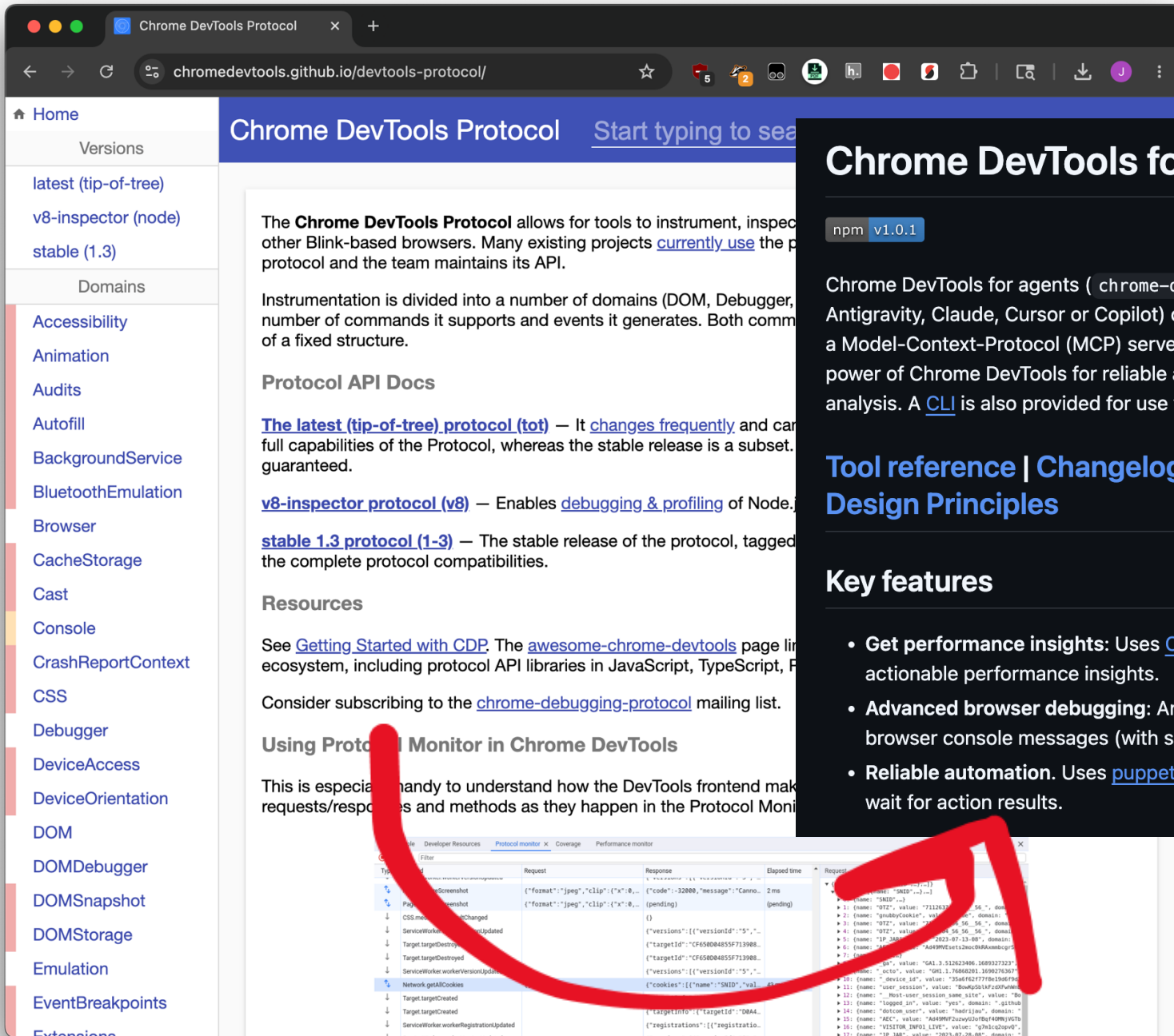
1600 w division st	pending
	pending
	pending

```
[2:55:41 PM] Finished 2/3: 121 N lasalle st
[2:55:42 PM] Processing 3/3: 1600 w division st
[2:55:42 PM] Submitting address search: 1600 w division st
[2:55:43 PM] Search validation succeeded. Waiting for the database result page.
[2:55:43 PM] Starting export.
[2:55:43 PM] Found 2 table(s).
[2:55:43 PM] Building Attributes: 1 rows, 12 columns via DOM
[2:55:43 PM] Permits: 1 rows, 3 columns via DOM
[2:55:43 PM] Writing 003_1600_w_division_st_2026-05-23.xlsx.
[2:55:44 PM] Finished 3/3: 1600 w division st
[2:55:44 PM] Batch complete.
[3:34:25 PM] Reset all address statuses to pending.
```

CBR batch

“But that’s still too much  
work!”

Let’s talk about how to write userscripts without ever lifting a  
finger



# Chrome DevTools for agents

npm v1.0.1

Chrome DevTools for agents ( `chrome-devtools-mcp` ) lets your coding agent ( such as Antigravity, Claude, Cursor or Copilot ) control and inspect a live Chrome browser. It acts as a Model-Context-Protocol (MCP) server, giving your AI coding assistant access to the full power of Chrome DevTools for reliable automation, in-depth debugging, and performance analysis. A [CLI](#) is also provided for use without MCP.

[Tool reference](#) | [Changelog](#) | [Contributing](#) | [Troubleshooting](#) | [Design Principles](#)

## Key features

- **Get performance insights:** Uses [Chrome DevTools](#) to record traces and extract actionable performance insights.
- **Advanced browser debugging:** Analyze network requests, take screenshots and check browser console messages (with source-mapped stack traces).
- **Reliable automation.** Uses [puppeteer](#) to automate actions in Chrome and automatically wait for action results.



A scene from Disney's Aladdin. The Genie is a large, blue, smiling figure on the left. Aladdin is in the center, wearing a yellow tunic and a purple vest, standing on a red rug. The magic carpet is on the right, flying over a blue, sparkling path. A yellow speech bubble is above Aladdin, and a yellow circle with a smiley face is below the Genie.

Use Chrome CDP and Tampermonkey  
and give me everything I want

:D

```

1 // ==UserScript==
2 // @name      Chicago Building Records – Batch Download All Tables
3 // @namespace  https://jsoma.github.io/
4 // @version   0.4.0
5 // @description Paste Chicago addresses, navigate search results, and batch-export
6 // @author    Jonathan Soma
7 // @match     https://webapps1.chicago.gov/buildingrecords/*
8 // @match     https://webapps1.cityofchicago.org/buildingrecords/*
9 // @run-at    document-idle
10 // @require   https://cdn.jsdelivr.net/npm/xlsx@0.18.5/dist/xlsx.full.min.js
11 // @grant     GM_addStyle
12 // @grant     GM_getValue
13 // @grant     GM_setValue
14 // @grant     GM_deleteValue
15 // ==/UserScript==
16
17 (function () {
18     "use strict";
19
20     if (window.top !== window.self) return;
21
22     const STORE_KEY = "cbrBatchExport:state:v1";
23     const LOG_KEY = "cbrBatchExport:logs:v1";
24     const MAX_LOGS = 300;
25     const MAX_ATTEMPTS = 2;
26     const BATCH_ADVANCE_DELAY_MS = 900;
27     const DATATABLE_WAIT_MS = 4500;
28     const SEARCHING_PAGE_KICK_MS = 3500;
29
30     const TABLE_NAME_BY_ID = {
31         resultstable_permits: "Permits",
32         resultstable_caseactivity: "Case Activity",
33         resultstable_inspections: "Inspections",
34         resultstable_violations: "Code Violations",
35         resultstable_codeviolations: "Code Violations",
36         resultstable_attributes: "Building Attributes"

```



the code below is an exporter for a chicago dept of buildings website. use tampermonkey and chrome cdp to make a new version.

i want to be able to upload a list of addresses by pasting them into a box. They'll be parsed and i'll be able to choose 'process all' or <prev next> and move between the pages. The search is on <https://webapps1.chicago.gov/buildingrecords/search>. When i click 'process all' it will go through each result page and run 'download all' after the page loads (it says 'searching database' beforehand). It should be error resilient and provide logs. the process is search page -> result page, there is not 'search results' to click on.

```
<div class="container-fluid page-body">
```

...

Show more ▾

Worked for 15m 28s >

implemented the new Tampermonkey version here:

[chicago-building-records-batch-export.user.js](#)

What it does:

- Adds a fixed "CBR batch" panel on Chicago Building Records pages.
- Lets you paste addresses into a textarea and parse/save them.
- Supports `Process all`, `Previous`, `Next`, `Stop`, `Download current`, status reset, and log clearing.
- Persists queue/status/logs across page navigations.
- Handles the actual flow: agreeeme. ↓ page -> search form -> "Searching database ..." normalized-address page -> `/doSearch` result page.

Ask for follow-up changes

+ Full access ▾

5.5 Extra High ▾

⚙️ ⬆️

# I am so excited!

I'M NOT DONE YET Let's talk about talking to external services and saving custom variables like API keys



← Back to schedule

Tracking fire in a hotter Europe: Methods for long-term wildfire data

Click here to add to My Schedule.

📅 Saturday May 30, 2026 3:30pm - 4:00pm CEST

📍 3.09

As wildfires become more frequent and intense across Europe, attracting growing public and media attention, journalists need solid methods to analyze fire data over time. But building a dataset is only the beginning. This session goes beyond the story to explore how to sustain and adapt a data project over more than a decade, using Civio's Spain in Flames as a case study.

### Session Reading List

LLM-assisted research, saved per session.

Generate reading list

Copy

Download MD

Download PDF

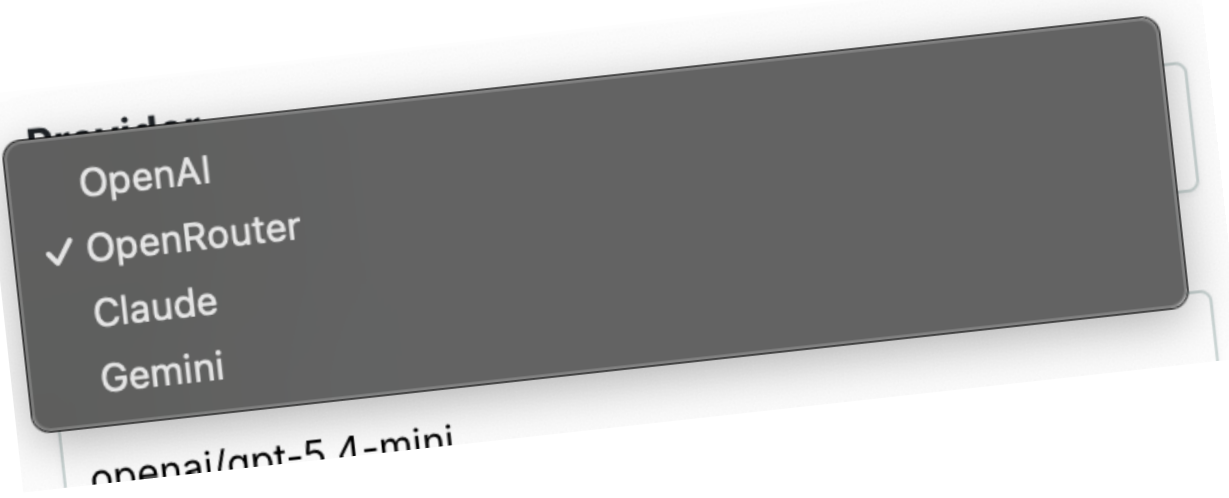
Download DOCX

Clear

Researching the topic and building the reading list. This can take a minute when web search is enabled.

No reading list yet.

#### Provider settings



## Provider settings

### Provider

OpenRouter ▼

### Model

openai/gpt-5.4-mini

### OpenRouter API key

.....

### Endpoint or base URL

https://openrouter.ai/api/v1/chat/completions

Use provider web search tool

### Extra instructions

Optional: focus on Python, mapping, FOI, newsroom examples, etc.

Save settings

Forget key

Generate reading list

Copy

Download MD

Download PDF

Download DOCX

Clear

Reading list generated and saved for this session.

## Reading list: Tracking fire in a hotter Europe: Methods for long-term wildfire data

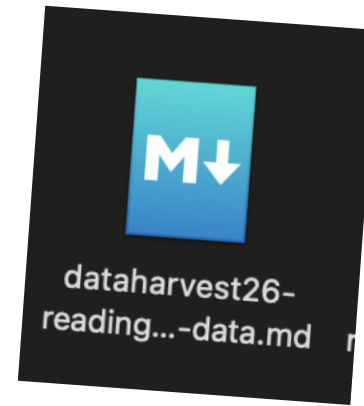
### Why this matters now

**Spain in Flames: About this project** — Civio's long-running Spanish wildfire project is the session's case study, and it shows how to keep a fire dataset useful over many years. **Difficulty: reference**

**Spain in flames: Methodology** — A practical explanation of the data source, limitations, and editorial choices behind the project, which is exactly the kind of long-term maintenance problem this session addresses. **Difficulty: intermediate**

**Copernicus: About the data** — Useful for understanding how European wildfire monitoring links satellite, emergency, and climate datasets, and why journalists need to know which record they are actually using. **Difficulty: intermediate**

**Open data on forest fires** — A short policy-oriented overview of EU wildfire datasets and the EFFIS ecosystem, helpful for situating national fire records in a pan-European context. **Difficulty: beginner**



m CEST

and intense across Europe, attracting growing  
s need solid methods to analyze fire data over  
e beginning. This session goes beyond the story  
data project over more than a decade, using  
ly.

ces for long-term data journalism: designing  
n fragmented official sources, handling changes  
onsibly, and deciding what comparisons remain  
data processing workflows and visualization  
t grows.

wildfire seasons, this session offers replicable  
data projects that last and that can inform  
ne.

# Reading list: Tracking fire in a hotter Europe: Methods for long-term wildfire data

## Why this matters now

- [Spain in Flames: About this project](#) — Civio’s long-running Spanish wildfire project is the session’s case study, and it shows how to keep a fire dataset useful over many years. **Difficulty: reference**
- [Spain in flames: Methodology](#) — A practical explanation of the data source, limitations, and editorial choices behind the project, which is exactly the kind of long-term maintenance problem this session addresses. **Difficulty: intermediate**
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- [Open data on forest fires](#) — A short policy-oriented overview of EU wildfire datasets and the EFFIS ecosystem, helpful for situating national fire records in a pan-European context. **Difficulty: beginner**
- [High-value datasets – forest fires in the EU](#) — A good primer on the EU’s “high-value data” framing for forest fires and why harmonized wildfire data is valuable for reporting. **Difficulty: beginner**

## Core concepts to know first

- [European Forest Fire Information System \(EFFIS\)](#) — Learn the reference system behind much European wildfire analysis; it helps explain where journalists can compare countries and where definitions may differ. **Difficulty: intermediate**
- [Copernicus EMS data access](#) — The Copernicus Emergency Management Service is one of the main operational sources for wildfire and rapid-mapping products in Europe. **Difficulty: intermediate**
- [Wildfire impact: How is it monitored & measured?](#) — Explains the difference between fire radiative power, burned area, and post-fire mapping, which is essential before you compare trends over time. **Difficulty: beginner**
- [EFFIS annual fire reports](#) — Annual reports are useful for seeing how the official narrative and indicators evolved from year to year. **Difficulty: reference**
- [Wildfire Risk Viewer user guide](#) — Helpful for understanding the distinction between observed fire datasets and risk-model outputs. **Difficulty: intermediate**

## Technical references and official docs

- [Spain in flames: Methodology](#) — The best direct read for how a newsroom handled fragmented official source material, changing definitions, and long-term revision rules. **Difficulty: intermediate**
- [Copernicus EMS / EFFIS user guide](#) — Official guide to EFFIS products and terminology; useful when you need to map a story claim to a specific product. **Difficulty: reference**
- [Annual Report 2022](#) — A concrete example of the official annual reporting structure and the kinds of indicators EFFIS publishes. **Difficulty: reference**
- [CEMS Information Bulletin No. 147: Copernicus for wildfire events](#) — Good for understanding how Copernicus describes near-real-time wildfire monitoring and rapid mapping in operational terms. **Difficulty: reference**

## GitHub repositories, tools, and packages

- [SeasFire](#) — An active project around seasonal wildfire prediction in Europe; worth checking if you need a modern example of EU fire data engineering, though the exact code surface is broader than the session topic. **Difficulty: advanced**
- [Orion-AI-Lab/mesogeos](#) — A research dataset and codebase built from EFFIS and related European data, useful for seeing how spatiotemporal wildfire datasets are assembled in practice. **Difficulty: advanced**
- [MatteoM95/CEMS-Wildfire-Dataset](#) — A dataset repository built from Copernicus EMS wildfire activations with Sentinel-2 imagery, masks, and notebooks; the README suggests practical download and preprocessing steps, though it is a research dataset rather than a newsroom tool. **Difficulty: advanced**
- [forefireAPI/forefire](#) — Open-source wildfire spread simulation engine; useful if you want to understand modeling workflows around fire behavior, not just historical statistics. **Difficulty: advanced**
- [steidani/FireDanger](#) — Python package for fire-weather danger indices; useful when a story needs weather-based fire-risk context rather than burned-area history. **Difficulty: intermediate**
- [earthlab/firedpy](#) — CLI for classifying fire events from MODIS burned-area data; good reference for event delineation workflows, though it is more U.S.-centric than the session’s Europe focus. **Difficulty: intermediate**
- [openforis/sepal](#) — Cloud geospatial processing platform that can help with large raster workflows; not wildfire-specific, but potentially useful for long-running environmental data projects. **Difficulty: intermediate**

## Journalism stories and case studies

- [Spain in flames: About this project](#) — The key newsroom case study for this session: a long-lived project that visualizes and contextualizes wildfire data over time. **Difficulty: intermediate**
- [Spain in flames: Methodology](#) — The methodological companion piece to the case study, especially valuable for how Civio handles revisions and source limitations responsibly. **Difficulty: intermediate**
- [High-value datasets – forest fires in the EU](#) — A policy/data-journalism style explainer that frames forest-fire datasets as public-interest infrastructure. **Difficulty: beginner**
- [Open data on forest fires](#) — A short case-backed overview that can inspire angles for cross-border or comparative wildfire reporting. **Difficulty: beginner**
- [Copernicus wildfire annual reports](#) — Not journalism itself, but indispensable source material for journalists comparing official yearly claims with observed trends. **Difficulty: reference**

## Suggested learning path before the session

1. Read [Spain in flames: About this project](#) to understand the story architecture. **Difficulty: beginner**
2. Read [Spain in flames: Methodology](#) to focus on changing definitions, source gaps, and revision policy. **Difficulty: intermediate**
3. Skim [Copernicus wildfire impact: How is it monitored & measured?](#) and [EFFIS](#) to separate burned area, active fire, and risk products. **Difficulty: beginner**
4. Check [EFFIS annual reports](#) for how the official record is presented over time. **Difficulty: reference**
5. If you want a technical bonus, inspect [Orion-AI-Lab/mesogeos](#) or [MatteoM95/CEMS-Wildfire-Dataset](#) to see how European wildfire datasets are built for analysis and modeling. **Difficulty: advanced**

“Wow I can’t believe how  
incredible this is, it really  
must have taken you ten hours?  
*Sixty* hours?”

Okay I know we all know AI did the work here but maybe you can at  
least be impressed by my prompting skills

“Now build another one where I can pick a session and it calls out to an LLM provider and does some research on the topic and makes me a SOTA reading list of tech and tutorials and journalism stories on the topic. The button should exist only on the detail page. it should say 'generate reading list' and it should populate into the right-hand side and be downloadable as md or pdf or docx. and if there's a github repo etc mentioned it should try to look at that if possible (i guess that just goes into the prompt?).”

“Now build **another one** where I can pick a session and it calls out to an LLM provider and does some research on the topic and makes me a SOTA reading list of tech and tutorials and journalism stories on the topic. The button should exist only on the detail page. it should say 'generate reading list' and it should populate into the right-hand side and be downloadable as md or pdf or docx. and if there's a github repo etc mentioned it should try to look at that if possible (i guess that just goes into the prompt?).”

“Okay I get it we’re done here”

*I HAVE ONE MORE THING* we’ll finish up by really really taking advantage of localStorage and downloads and adding *all of the normal features* you ever wanted

11:15am  
CEST

50 shades of the housing crisis – in data

Bad practice: investigating medical malpractice across borders

Cancer Calculus: Investigating big pharma's dirty tricks

Designing stories on maps: a practical guide to map-driven scrollytelling

Choosing the right web scraping strategy

Embracing agents with Pydantic AI

From data projects to pipelines

Lean, not broken: How independent newsrooms adapt to uncertain funding

How to investigate China 101

How to spot a bot: Practical techniques and investigation ideas

Look what's flying there

The “perfect” MoU: an invitation

Behind closed doors: Exposing human rights violations in prisons and psychiatric facilities

Risky research - protect yourself in high-risk investigations

**SCHED** Dataharvest 2026 - the European Investigative Journalism...

Thursday, May 28

9:30am CEST  
**Check-in and coffee** Add

10:00am CEST  
Masterclass: Get satellite imagery to tell you what on earth is going on! Using code and other tools (Masterclass ticket needed) Add  
Masterclass: From ships to satellites: Investigating fossil fuel supply chains (Masterclass ticket needed) Add  
Masterclass: How to investigate the EU (Masterclass ticket needed) Add

12:00pm CEST  
**Lunch** Add

1:00pm CEST  
Masterclass: Get satellite imagery to tell you what on earth is going on! Using code and other tools (Masterclass ticket needed) Add  
Masterclass: From ships to satellites: Investigating fossil fuel supply chains (Masterclass ticket needed) Add  
Masterclass: How to investigate the EU (Masterclass ticket needed) Add

3:00pm CEST  
**Coffee break** Add

3:30pm CEST  
Masterclass: From ships to satellites: Investigating fossil fuel supply chains (Masterclass ticket needed) Add

**Filter By Date**  
May 28 - 31, 2026

**Filter By Venue**  
Mechelen, Belgium

**Filter By Type**

- Climate/Environment
- Cross-border
- Data journalism
- Data skills
- Entrepreneurial
- Instant inspiration
- Investigative method
- Networking
- Organisational
- Right to information/transparency
- Safety and security
- Storytelling
- Popular

Recently active attendees

reverse-engineering publicly Saved

digital rights and welfare Saved

powerful climate stories from old Saved

training journalists Add

locations from research material - Add

with agentic AI Saved



Masterclass: How to investigate the EU (Masterclas

### Dataharvest Multi Schedule

Close

Local planner. Sched account data is untouched.

Native Sched may still enforce one session per time block. Use the local Add buttons for overlapping picks.

- Only picked
- Copy summary
- CSV
- JSON
- ICS
- Import JSON

Clear

Friday, May 29 10:30 AM GMT+2 - 11:30 AM GMT+2 1 picked

**Networking welcome**  
 10:30 AM GMT+2 - 11:30 AM GMT+2 | Mediaforum | Networking  
 Remove

Friday, May 29 11:30 AM GMT+2 - 12:45 PM GMT+2 5 picked in this slot

**A method for investigating private equity-backed companies at a large scale**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | Z1.13 - Aula Hanswijk | Investigative method, Presentation  
 Remove

**Investigating CO2 emissions fraud by reverse-engineering publicly reported data**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | 2.02 | Climate/Environment

**Oh wow, that's a great guide books**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | 3.09 | Climate, ...  
 Remove

Only picked

Copy summary

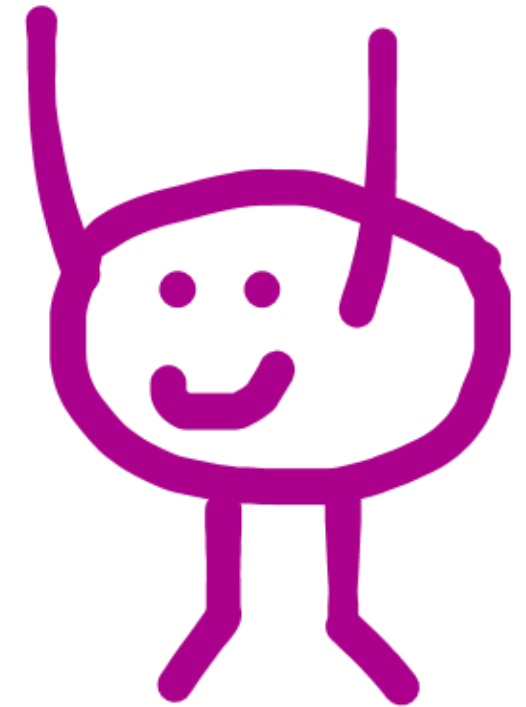
Clear

CSV

JSON

ICS

Import JSON



Friday, May 29

9:00am CEST

Check-in and Coffee

10:00am CEST

Opening of the conference

10:30am CEST

Networking welcome

11:30am CEST

Investigating CO2 emissions fraud by reverse-engineering publicly reported data

Networking session: Reporting on animal rights and

Oh wow, that's a great guide book

Build w

How to extract Persons, Names, and where AI fails to do it

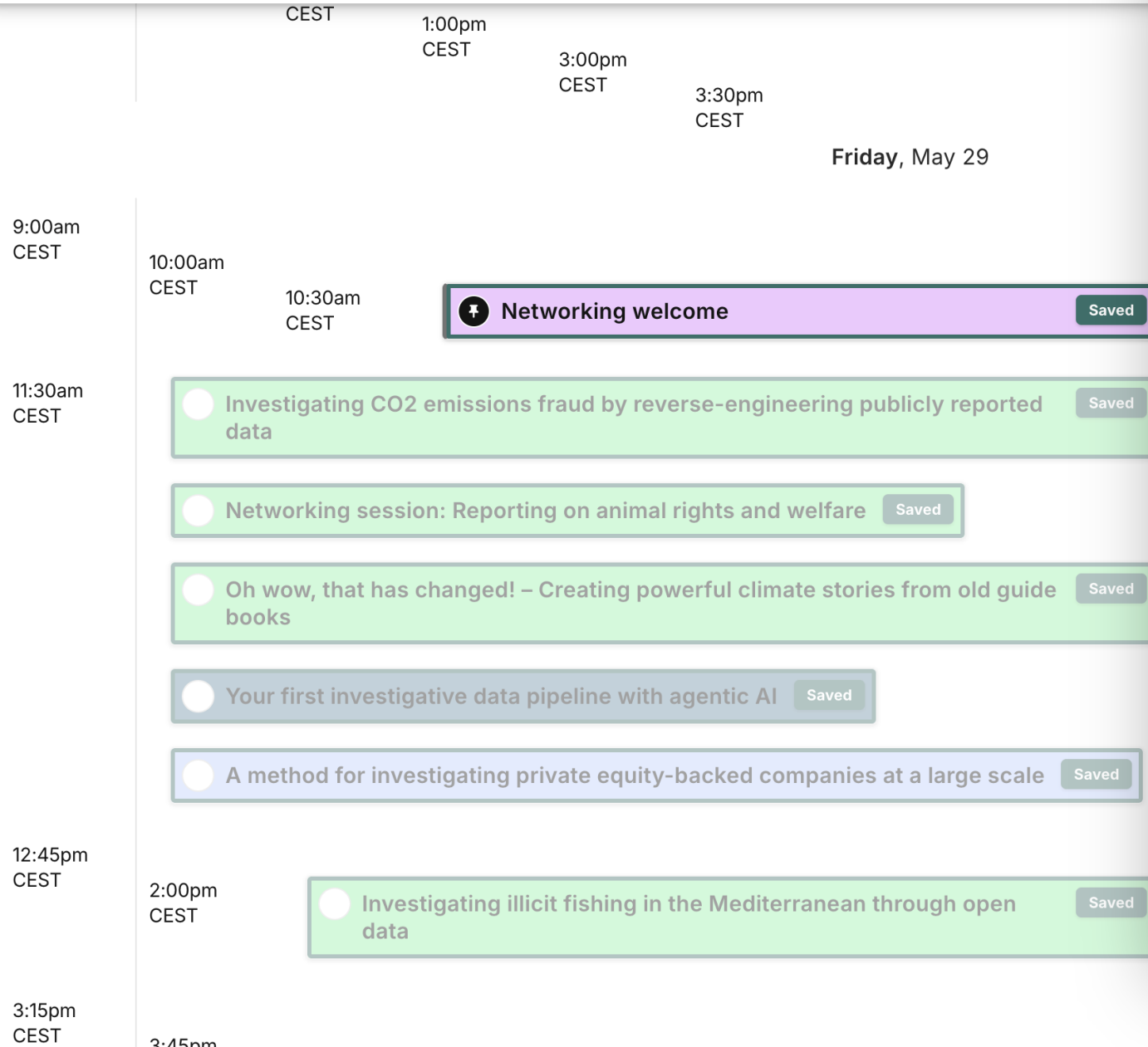
Your first investigative data pipeline with agentic AI

How to budget (almost) anything



Event Schedule

My Schedule 23



### Dataharvest Multi Schedule

Close

Local planner. Sched account data is untouched.

Native Sched may still enforce one session per time block. Use the local Add buttons for overlapping picks.

- Only picked
- Copy summary
- CSV
- JSON
- ICS
- Import JSON

Clear

Friday, May 29 10:30 AM GMT+2 - 11:30 AM GMT+2

1 picked

**Networking welcome**  
 10:30 AM GMT+2 - 11:30 AM GMT+2 | Mediaforum | Networking

Remove

Friday, May 29 11:30 AM GMT+2 - 12:45 PM GMT+2

5 picked in this slot

**A method for investigating private equity-backed companies at a large scale**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | Z1.13 - Aula Hanswijk | Investigative method, Presentation

Remove

**Investigating CO2 emissions fraud by reverse-engineering publicly reported data**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | 2.02 | Climate/Environment

Remove

**Networking session: Reporting on animal rights and welfare**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | Z2.01 - Mediadrôme | Climate/Environment

Remove

**Oh wow, that has changed! – Creating powerful climate stories from old guide books**  
 11:30 AM GMT+2 - 12:45 PM GMT+2 | 3.09 | Climate/Environment, Presentation

Remove



See all attendees →

DH schedule (7)

“I’m convinced!”

But how do you distribute them?



# Chicago Building Records - Download All Tables to Excel

Editor

Settings

Externals

File Edit Selection Find GoTo Developer

```
1 // @match https://app.example.com/*
2 // @grant none
3
4 // @downloadURL https://raw.githubusercontent.com/your-org/yo
5 // @updateURL https://raw.githubusercontent.com/your-org/your
6
7 // @require https://...
8 // @grant none
9 // ==/UserScript==
10
11 (function () {
12     "use strict";
13
14     const TABLE_NAME_BY_ID = {
15         resultstable_permits: "Permits",
16         resultstable_caseactivity: "Case Activity",
```

Hack your CMS (and the rest of the web)

# Tampermonkey 101

Jonathan Soma

js4571@columbia.edu • dangerscarf

Columbia University

[bit.ly/dh-tampermonkey](https://bit.ly/dh-tampermonkey)

