



Open Source and Web Mapping

Ethical Software and Developing for
Civil Society

Lecture
Visiting Voice
Group Time

Join at
slido.com
#ucla

Albert Kochaphum
Lecture 4 | July 15th, 2024



Join us

slido.com

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Week 4! Ready 4 more?!

ready 4 sure

yes

no:(

yass

yippee

yay

meow

yawrr

Yeahhhh



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Was the group project feedback helpful?

Yes, a lot



67%

Yes, a bit



25%

No, we are bringing pitchforks to office hours.



8%

Somewhat



0%



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How would you rate the GIS and Ethics reading?

Score: 😊 4.3

75%

25%





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How would you rate the "Don't blame Social Media, Blame Capitalism" reading?

Score: 😊 3.9

92%





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How was last week's workload?

Just right

Too much

Too little

0%

83%

17%



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Extension for Group Assignment #3 and revisions?

Yes, we need moar time 😊



No, we wanna code/survey sooner!



Doesn't matter as long as can still submit earlier





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What does open source mean to you?

Publicly available and accessible

community

Accessible

open source

Not closed

what software should be

open to the public

more work

collective development



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Do you like Albert's puns?

Yes.....



Yes.



Yes!



Theme of the week

How do you decide what technology is right?

Connecting from last week



Technology conflating anti-Zionism (a settler-colonial project) with anti-Semitism

Connecting this topic from last week

**Israel's genocidal army thanks
the following companies for
their complicity:**

Sponsorship



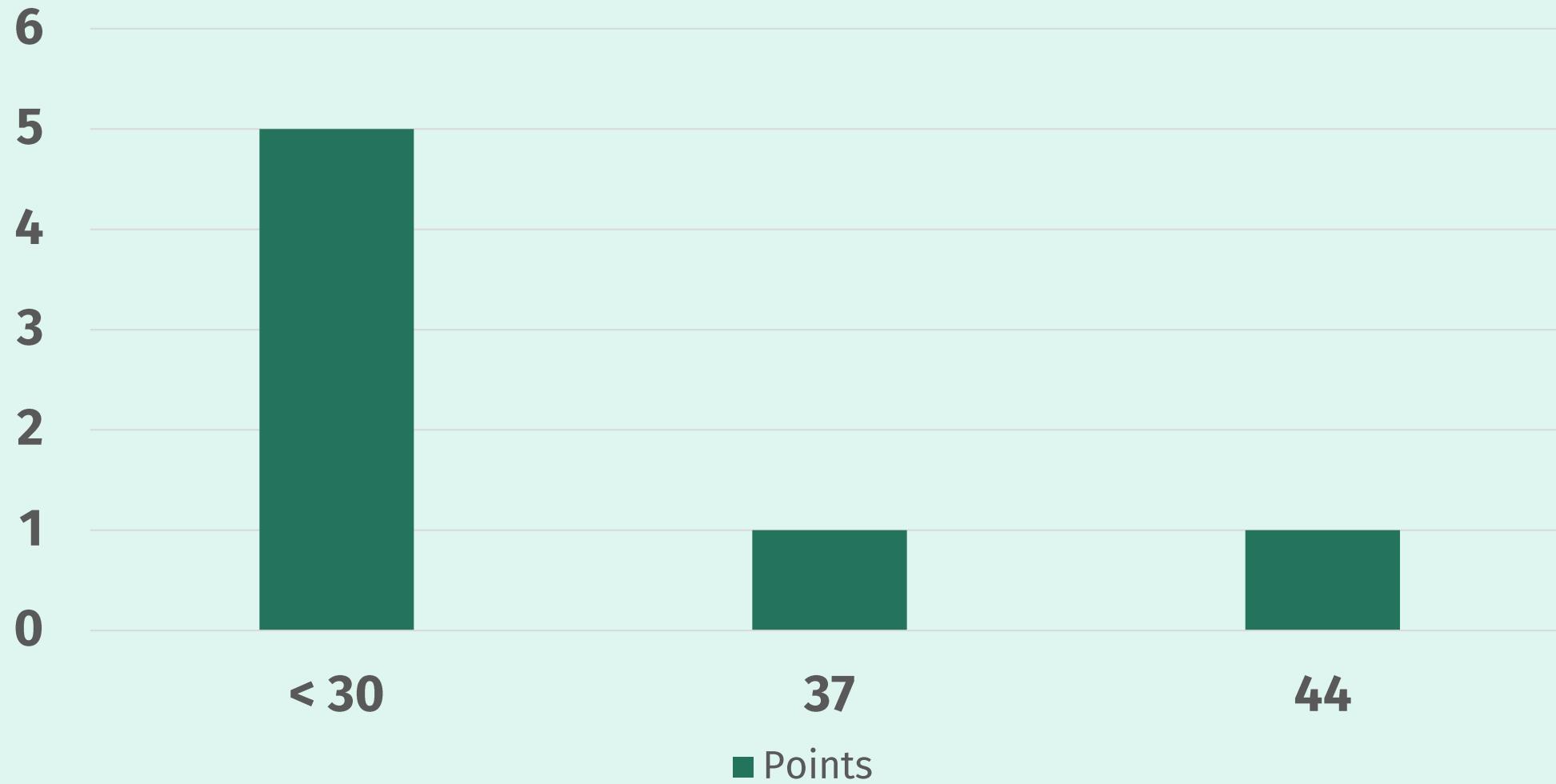
List of sponsors of the *ITforIDF* conference in Tel Aviv.

Keep an eye on these names!

What is on the horizon

	Monday	Wednesday
Week 4	Open Source	Survey Lab
Week 5	Design Justice Group Project Surveys	UI/UX Lab
Week 6	MapLibre Plugins Lab	Final Lecture
	Rough Draft	Final Presentations

Memo Grade Distribution



Overall Class Grade Distribution



What is on the horizon - Assignments

	Monday	Wednesday
Week 4	Thinking Cap #4	Lab #3
Week 5	Thinking Cap #5	Lab #4
	Group - Surveys	
Week 6	Thinking Cap #6	Group - Final
	In-class Lab #5	
	Group - Rough Drafts	

Group Assignment #3



Should revise your survey as soon as possible to make the assignment easier!

Not many assignments left!

- **2 Labs**
- **3 Thinking Caps**
- **1 In-class assignment**
(Lab)
- **3 Group Assignments**

Light at the end of tunnel!

Palestinians say Microsoft unfairly closing their accounts

4 days ago

Share 

By Mohamed Shalaby and Joe Tidy, BBC World Service



Getty Images

<https://www.bbc.com/news/articles/cger582weplo>

Open Source and Web Mapping

Lecture



Lecture
Visiting Voice
Group Time

Open Source and Web Mapping

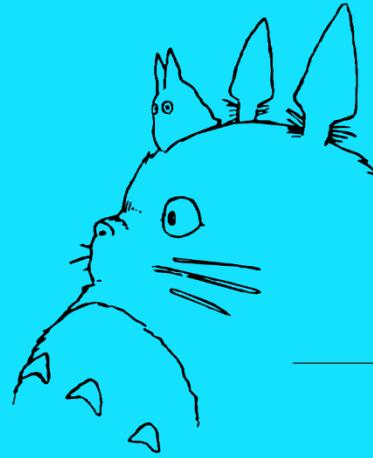
Alwards

Lecture

 **Alwards**

Lecture

Visiting Voice



スタジオアンジブリアブル
STUDIO UNGHIBLI-VABLEY GREAT

ALWARDS

NICE JOB STAYING THE BOY AND THE HERON TOPIC! (A LITTLE LATE THOUGH!)

Kaila Imada

My ethical views with society and technology has only recently come to some level of maturity after experiencing and ethical dilemma myself...While Crampton in some ways mirror the SAG-AFTRA strike, because they are attempting to nail down a solution, I do think that finding a code of conduct is necessary. However, we are currently seeing the issues of his warnings of solutions sometimes being as bad as the problems.



Sadhana Jeyakumar

“Growing up, I often heard that technology is merely a tool, and its impact depends on how it is used. This idea was usually accompanied with the common knife analogy, such that a knife is just a tool as a surgeon can use it to save lives while a murderer can use it to harm others... viewing technology as a model rather than a tool aligns with my belief that ethical considerations must address both societal and technological aspects, as neither side is completely guilty or innocent when it comes to social challenges...”

THE THINKKIKI-NG CAP OF THE WEEK

Michelle Zhao

When it comes to society and technology, I believe simply that the well-being of people should be prioritized. I don't think social media in its current and most popular form could ever become an ethical tool even if the world suddenly shifted to a different -ism overnight because, ultimately, it has become a tool against people rather than for people; the bad actors right now may be capitalism and technocratic agendas, but unregulated technology like social media and big data analysis inherently have made it and will continue to make it much easier for the elite to abuse their power and influence over the rest of society.



NICE STYLING OF BULLET PONYO-INTS!

Jasmine Reyes



Lab 2: Jasmine's World of Matcha <3



Jellyman DAMO Memorylook Junbi

Favorite Matcha Places!!

Jellyman
DAMO
Memory Look
Junbi

<https://shintuzd.github.io/23s-asiaam-191a-assignments/week2/maps.html>

I'VE SPIRITED AWAY-ITED FOR SOMEONE TO ADD A MENU HEADER

Caitlynn Hauw



**caitlynn's lit, crazy, cool
portfolio**

[home](#) [articles](#) [music](#) [contact](#)

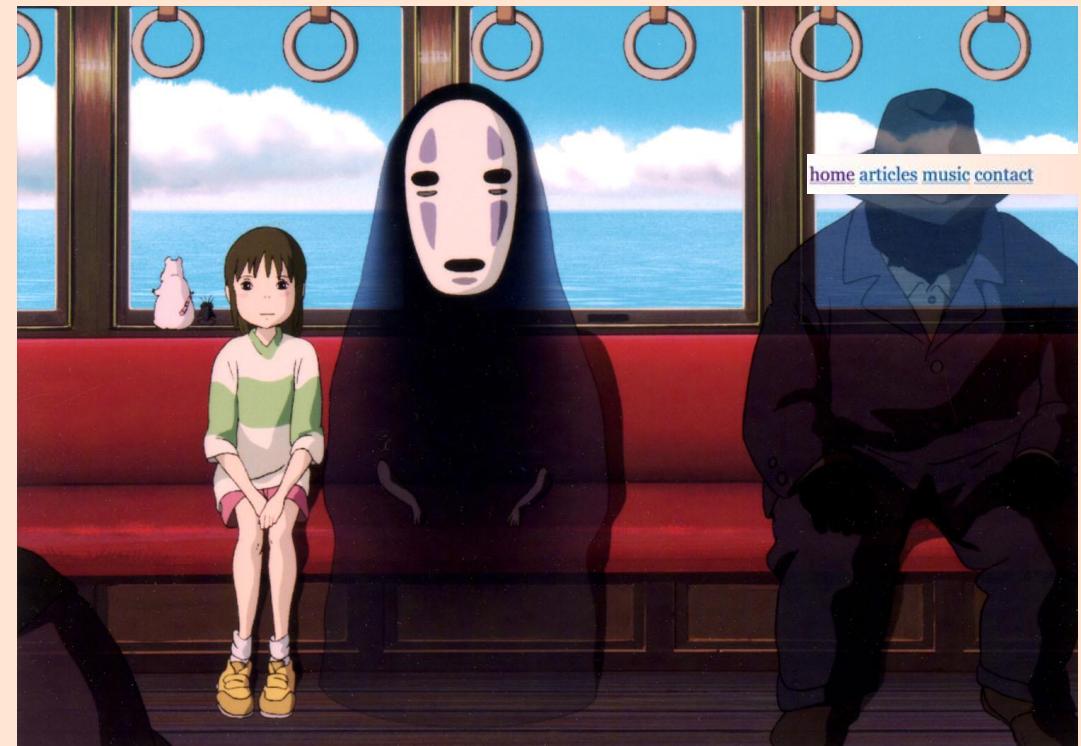
bio

hello! my name is caitlynn and i'm a second-year cognitive science major at ucla. due to my personal experiences, i'm passionate about mental health advocacy and youth representation in public health. although i intend to pursue a career in clinical psychology, i also really love web development! however, i'm learning through this class that i love people far more.



**restaurants I
have eaten
ramen at in
san diego**

MATLAHUAJL STATE
MARINE RESERVE



<https://caitlynn-hauw.github.io/aa191-assignments/week2/index.html>

NICE MY NEIGHBOR TOTOROLL-OVER MOUSE EVENT

Paige Wu



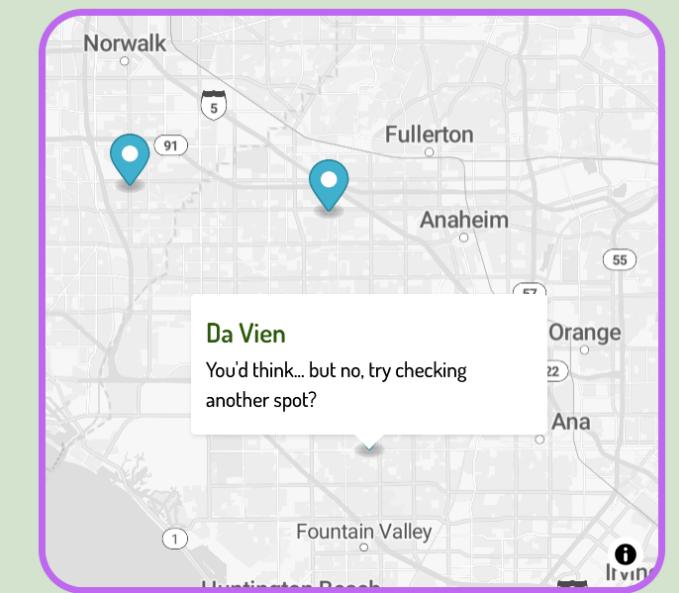
Where in the world is... Paige Wu???

Pho Tasty Martinez Nursery Da Vien

Y'all... I lost her in Orange County TuT...
Can you check where she's at???

Try hovering over the markers! It should pop-up ideally!

- Maybe she's out eating? Check her favorite spot!
- Oh oh oh! Go check her favorite plant nursery?
- Or maybe just check her favorite cafe?



PORCO ROSSOLD ME ON YOUR ANIMATED BUTTONS

Kaila Imada

Lab #2

Inosanto Academy

JAM

Yates Gym

About Kaila

My favorite training spots in LA- see map

My name is Kaila Imada and I enjoy training stunts and martial arts in LA. I am finishing my undergraduate this summer before starting my studies in Entrepreneurship at USC in the fall. Before the summer ends,

<https://kimada62.github.io/24su-asiaam-191a-labs/week2/>



Kiana Tran

Some of Kiana's Favorite Coffee Shops in the OC Area



Krisp Airoma Stereoscope

Krisp Airoma Stereoscope

<https://kianaptran.github.io/24su-asiaam-191a-labs/week2submission/>

NICE RANDOM BUTTON CHANGING THE BACKGROUND CSS COLOR'S HOWL'S MOVING CASTLE-MENT!

Sadhana Jeyakumar

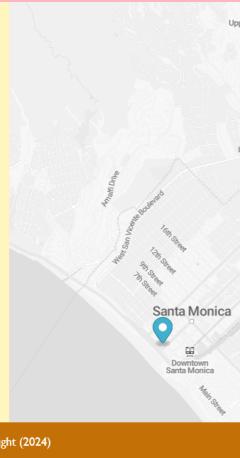
Lab Assignment #2 - Functional Events

My Favorite Off-Campus Restaurants

- Chinchikurin Sawtelle
- Din Tai Fung
- Sham India's Oven
- Tulsi
- Elephanté

[Chinchikurin](#) [Din Tai Fung](#) [Sham India's Oven](#) [Tulsi](#) [Elephanté](#)

* Change the background color!



Copyright (2024)



Keiya Wada

Lab Assignment #2 My Portfolio

Aragon High School BonChan Tennis

Where I usually spend most my time

- High School
- Downtown
- Tennis

Click Here to Change Color

<https://sjeyakum.github.io/24su-aas191a-labs/week2/index.html>

<https://keiya-wada.github.io/asiam-labs/week2/index.html>

NAUSICÄÄNIMATED BUTTONS AND POPUPS FOR THE WIN(D)!

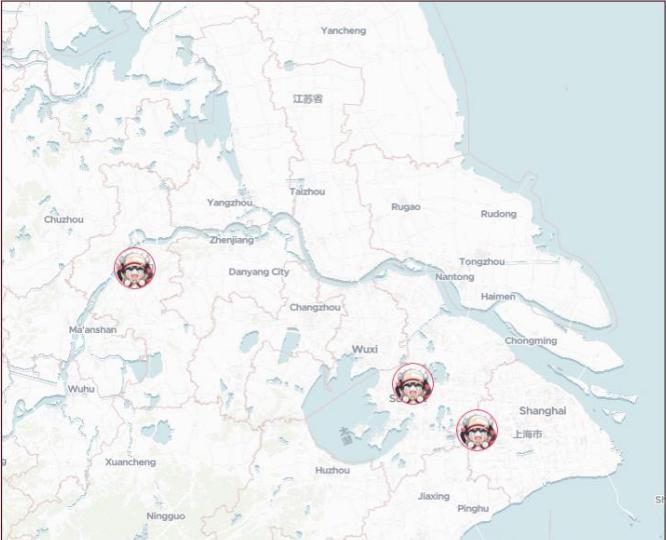
Michelle Zhao

ABOUT ME! ^_< ☆

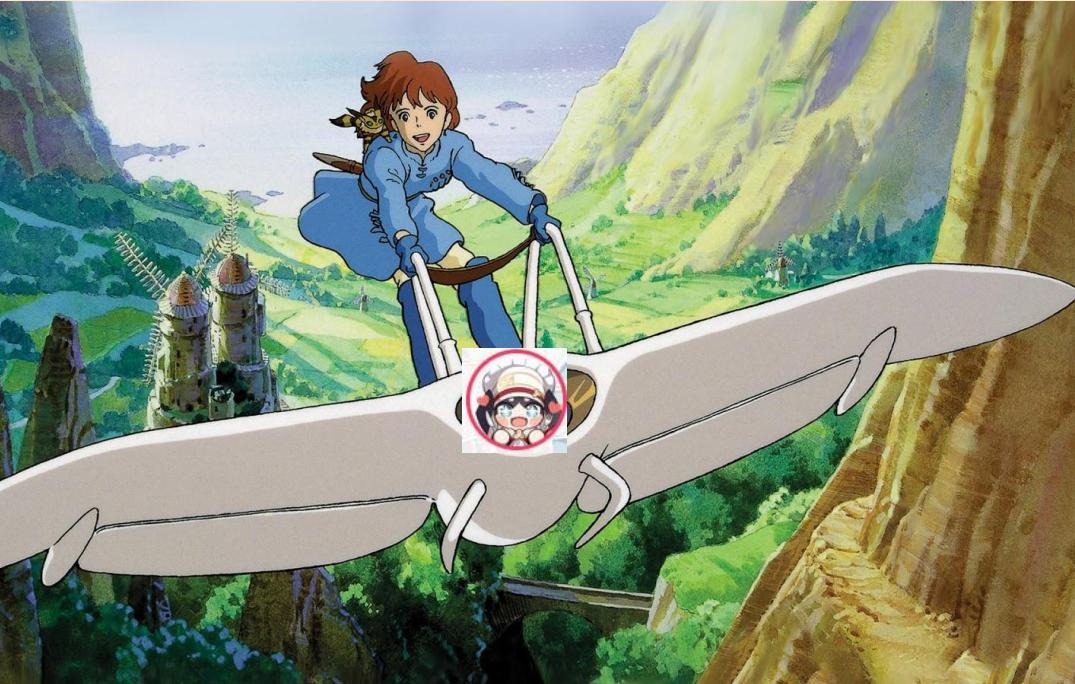


Hi! My name is Michelle, and I'm currently a junior at UCLA majoring in Computer Science as well as double minoring in Digital Humanities and Philosophy. One of my goals is to become capable of creating ethical software that can be used to improve critical infrastructure in society, and I am looking forward to how the content covered in class as well as the

WHERE I WENT!



SHANGHAI
HANGZHOU
SUZHOU
NANJING
DEFAULT VIEW



<https://catherinehu.github.io/191a-labs/week2/map.html>

I JUST HAD TO PRINCESS MONONO-CAVE-IN AGAIN FOR THIS LAB OF THE WEEK!

Justine Lim



LAB #2: FUNCTIONAL EVENTS

Justine's **SUPER AWESOME**

Koreatown Food Tour!

- ★ MDK Noodles
- ★ Tangtastic
- ★ Sun Nong Dan
- ★ Sul & Beans
- ★ Heyri Cafe



<https://stinet.github.io/24su-191a-labs/week2/index.html>

Lecture

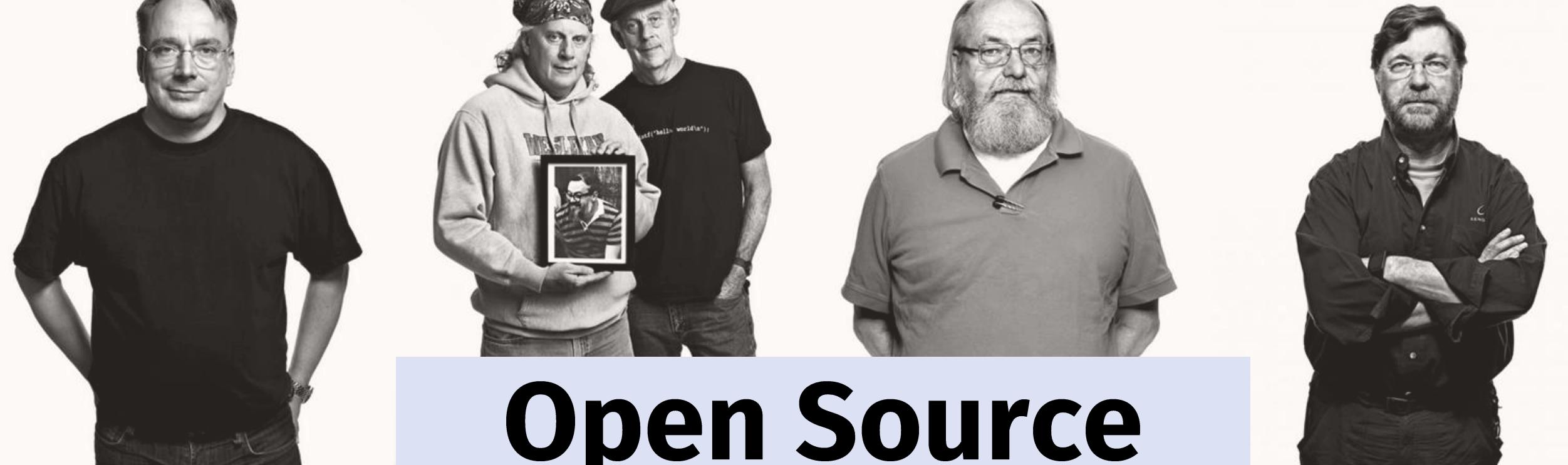
Ethical Software and Developing for
Civil Society

Lecture

Alwards

Lecture

Visiting Voice



Open Source

<https://www.facesofopensource.com/>

The Three Opens

- Open Source
- Open Standards
- Open Data

My Thinking Cap

Personally, I believe that technology and society need to be viewed holistically- as a part of the entire human experience.

We should constantly evaluate how society and technology are connected and need to affect each other in a balanced way.

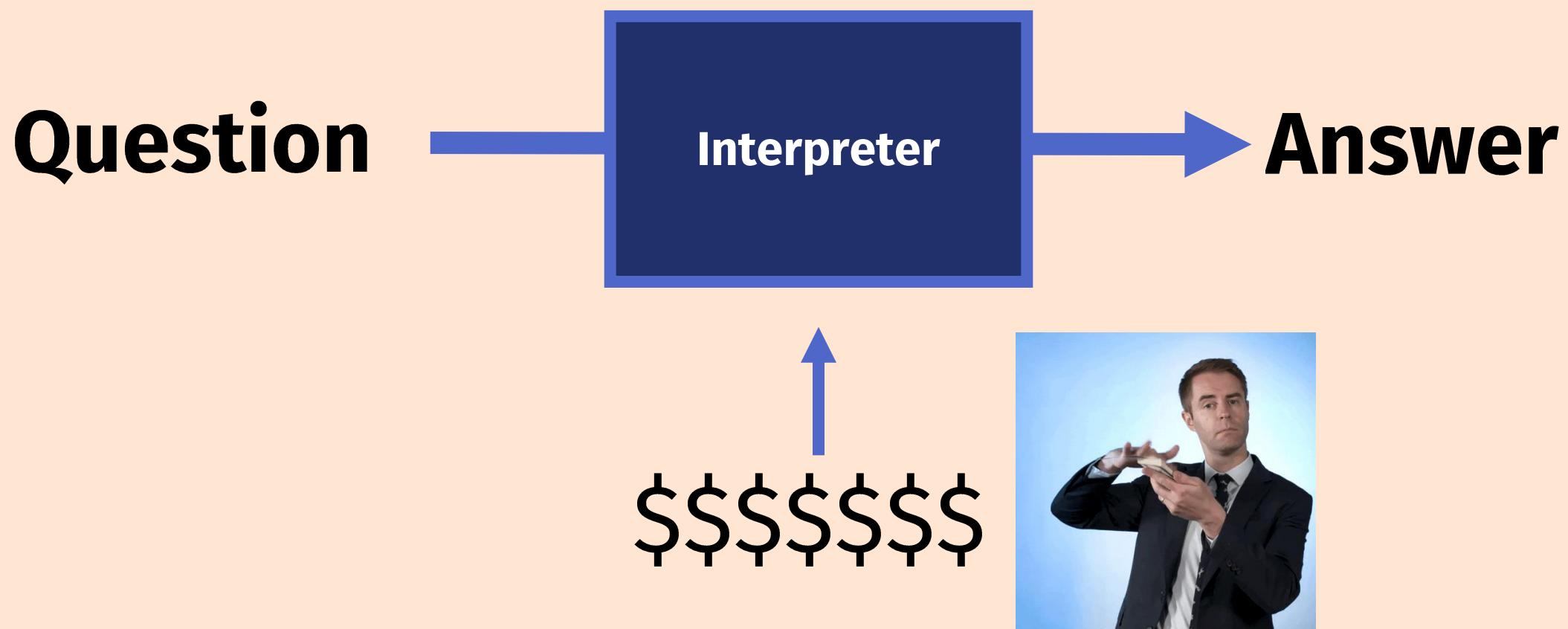
I believe ethics uplift civil society because I accept the need to look at communities as a whole and not just subjects/sources of data.

Leads to....

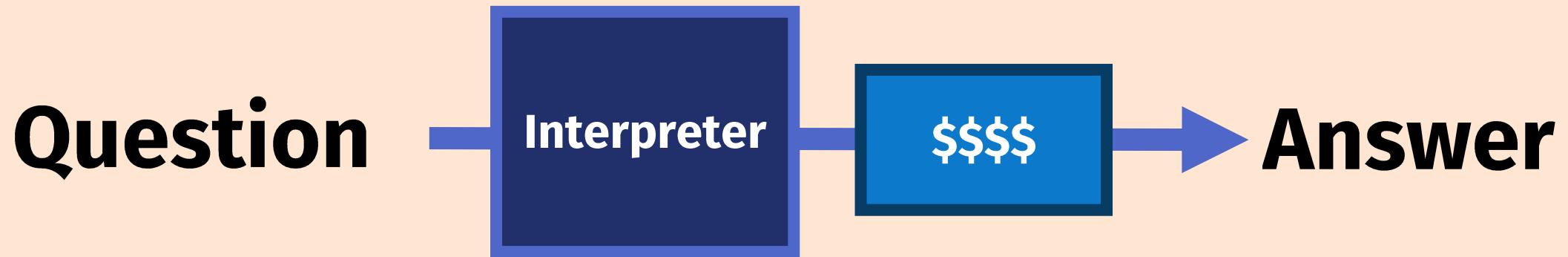
A collaborative open-community

Is this enough?

What is programming?



What is programming?



Importance of an open internet.....

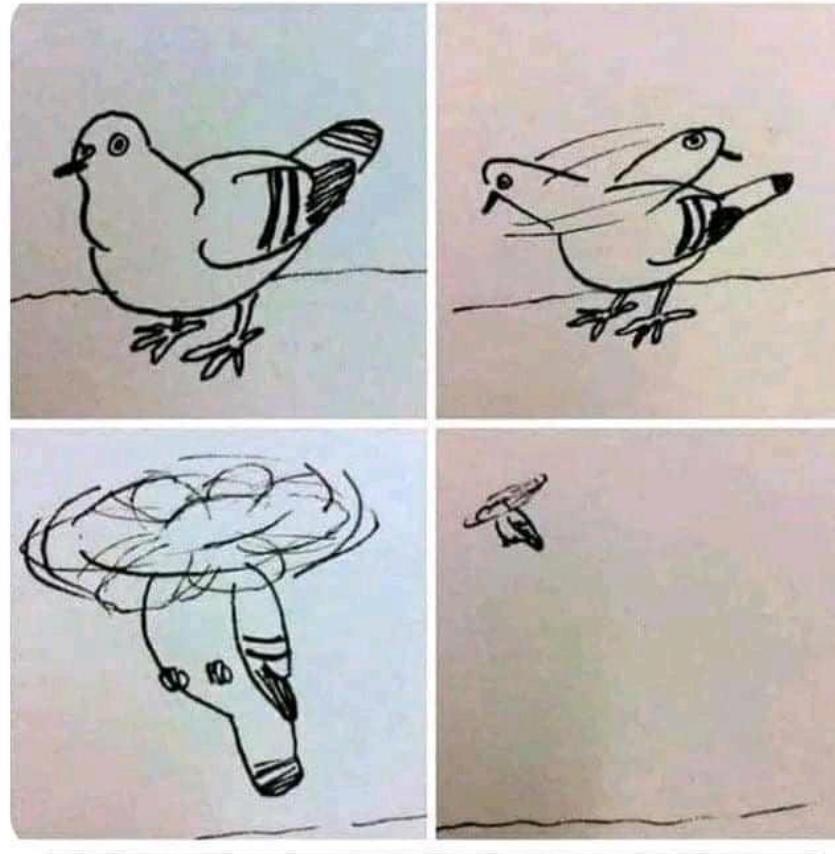


A programmer vs. non-programmer

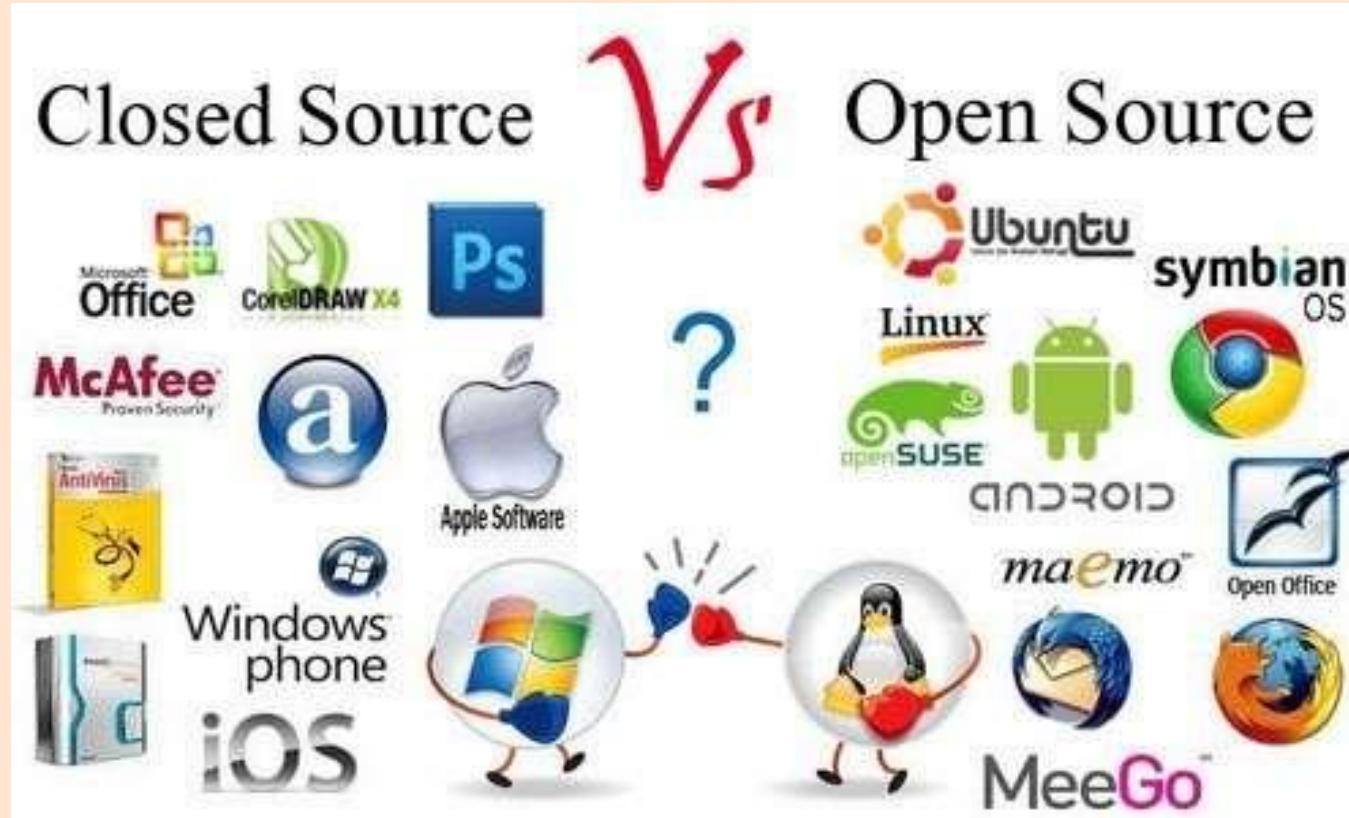


When we see code, we don't give up!

When your program
is a complete mess,
but it does its job

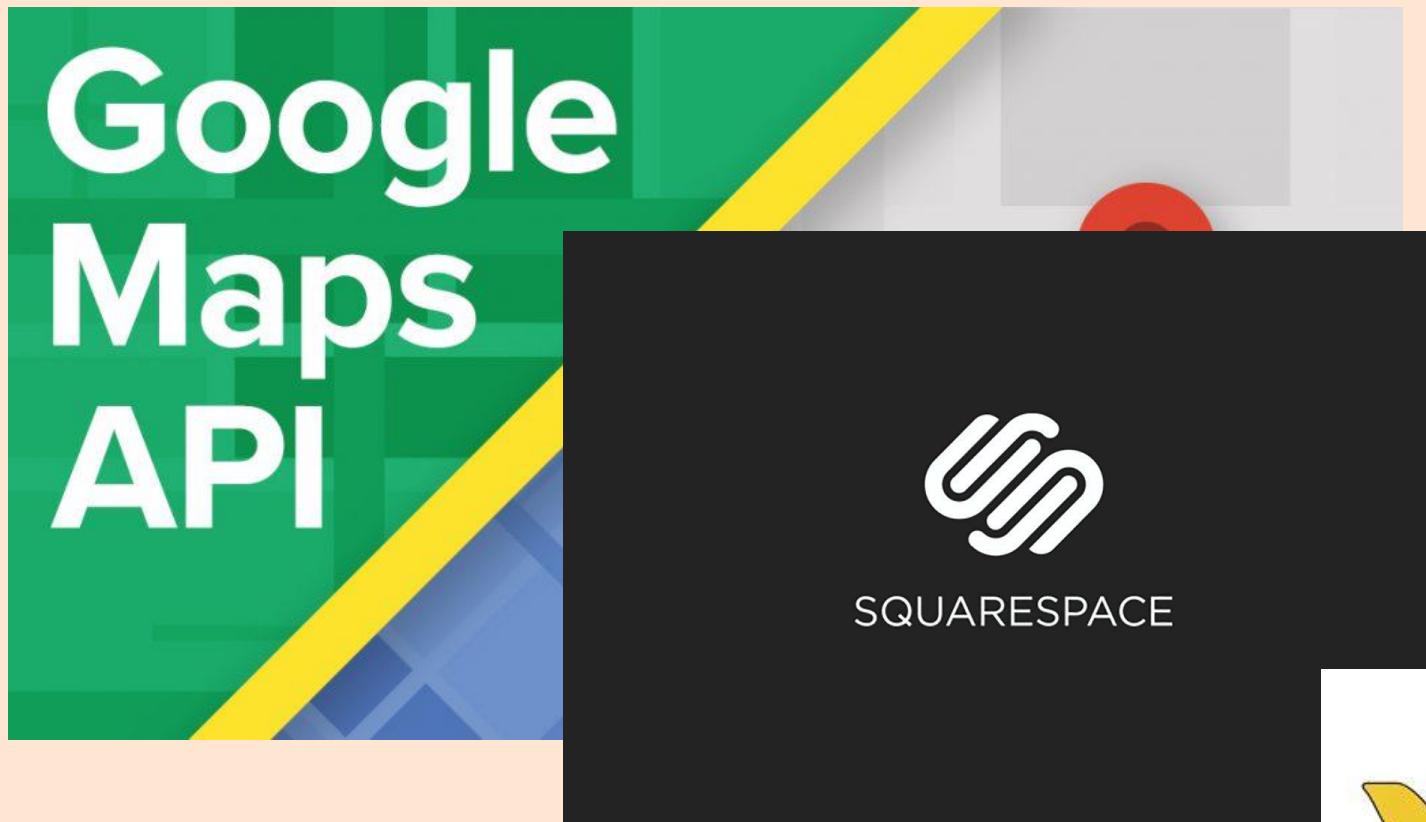


Ethics of technology usage



We use a mix of open and closed source technology on a day-to-day basis, but what is your ethical reasoning for doing so?

So why JavaScript and MapLibre instead of....



It's like learning to cook with only a microwave....



For convenience, you ignore

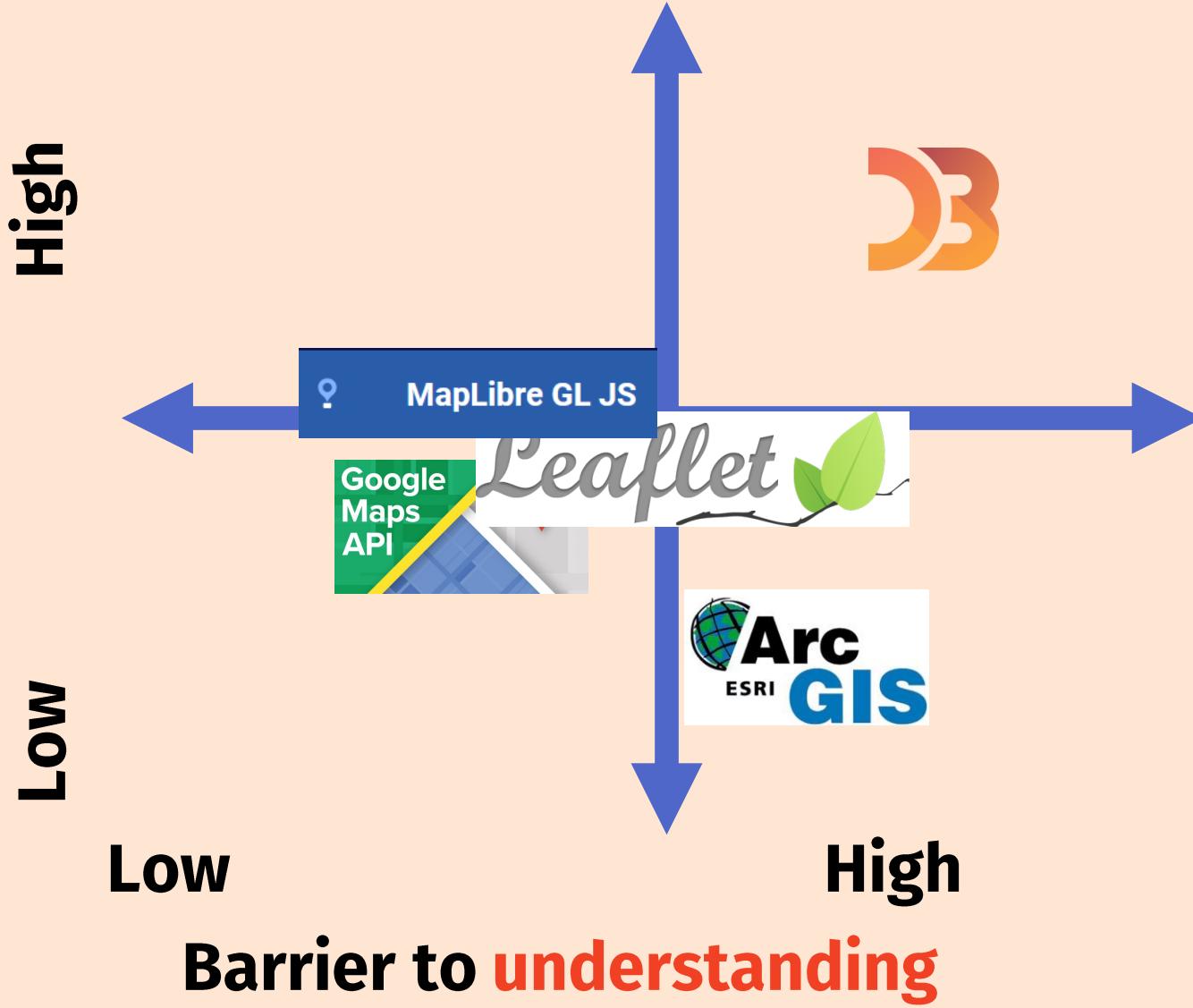
- Ingredients
- Healthiness
- Dependency on the tool

But most importantly...

- Why are cooking in the first place!!

GIS Technologies

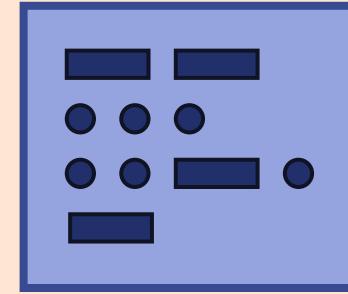
Barrier to creating outputs



Open-source vs Closed-Source

```
<html>
  <body>
    hi
  </body>
</html>
```

VS

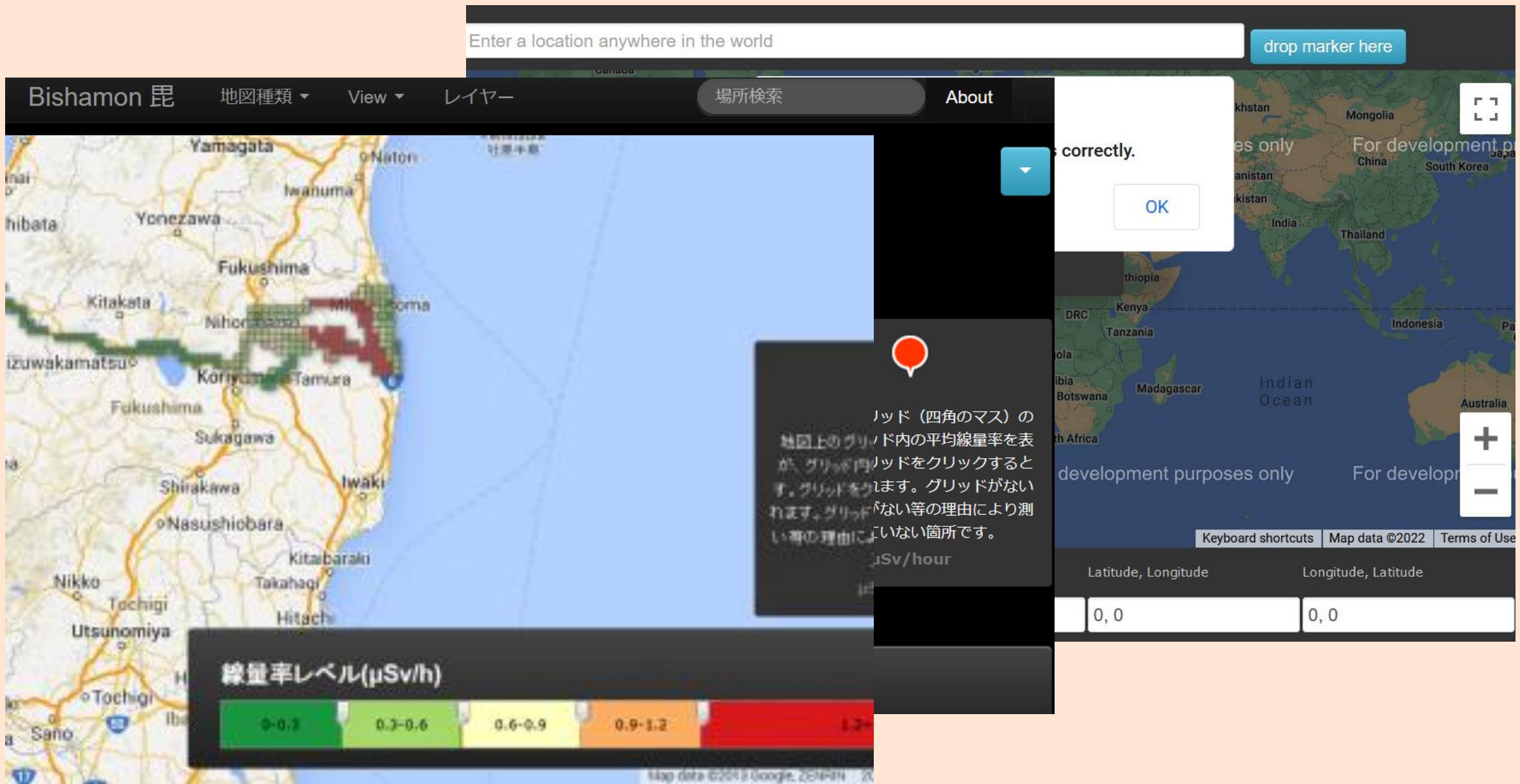


You can see the code

You can never see the code

Think about why is this important?

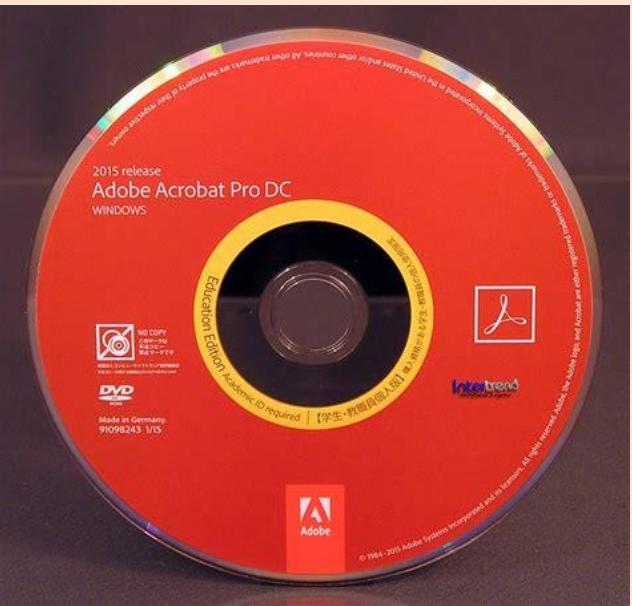
Google API Deprecation



Quick History on software.....



Quick History on software.....



 EDB ENTERPRISE DB	Bruce Momjian		Joe Conway		Alvaro Herrera
 EDB ENTERPRISE DB	Thomas Munro		Tom Lane		Andrew Dunstan
 EDB ENTERPRISE DB	Robert Haas		Stephen Frost		Peter Eisentraut
 EDB ENTERPRISE DB	Amit Kapila		Peter Geoghegan		Tomas Vondra
 EDB ENTERPRISE DB	Andres Freund		Teodor Sigaev		Heikki Linnakangas
	Kevin Grittner		Alexander Korotkov		Greg Stark
	Michael Paquier		Jeff Davis		Magnus Hagander
	Fujii Masao		Michael Meskes		Tatsuo Ishii
	Etsuro Fujita		Noah Misch		Dean Rasheed

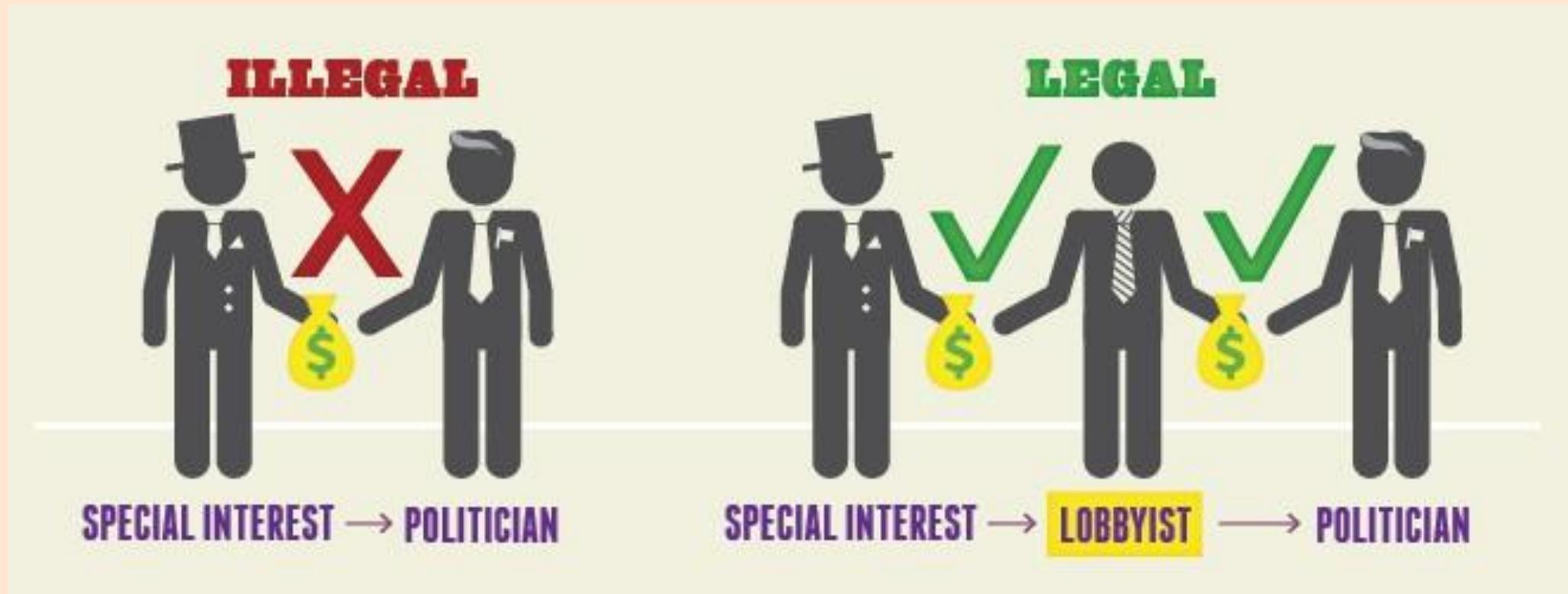
 EDB ENTERPRISE DB	Bruce Momjian		Joe Conway		Alvaro Herrera
 EDB ENTERPRISE DB	Thomas Munro		Tom Lane		Andrew Dunstan
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	Michael Paquier		Jeff Davis		Magnus Hagander
	Fujii Masao		Michael Meskes		Tatsuo Ishii
	Etsuro Fujita		Noah Misch		Dean Rasheed

Is this fair?

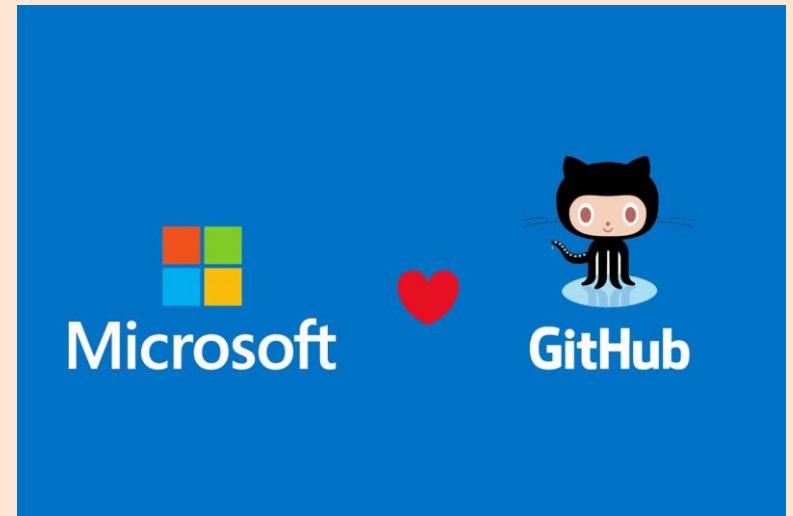
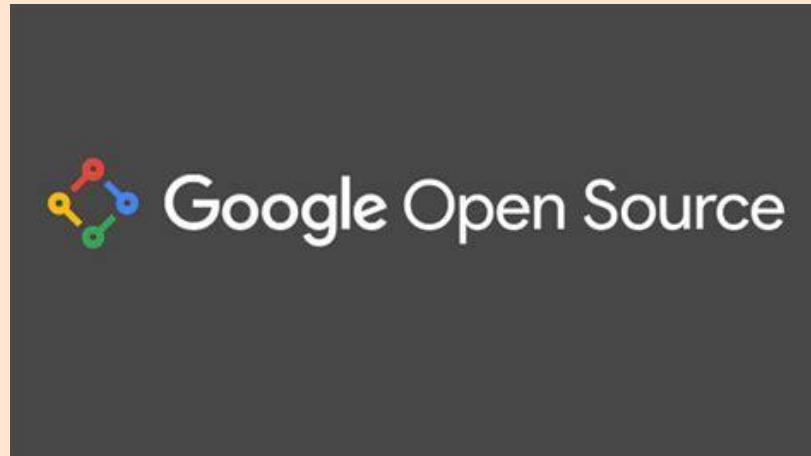


Tragedy of the commons – when individuals access a public resource for only their own interest and it depletes.

Have corporations infiltrated open source?

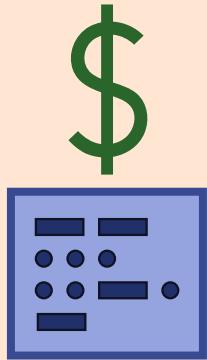


Have corporations infiltrated open source?



A summary of Open vs. Close source

Proprietary Software



Software as a Service

To a point



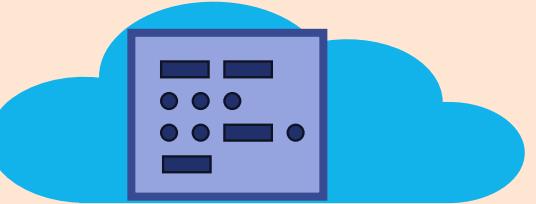
or



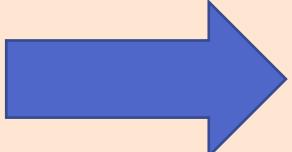
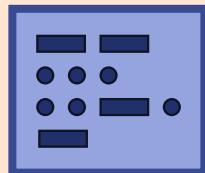
or



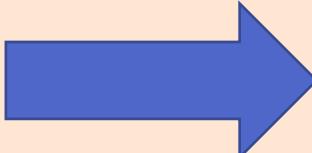
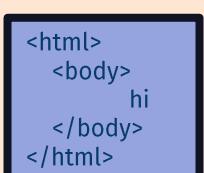
Takes your data



Free software



Open Source Software



Open Software as a Service



Open Source

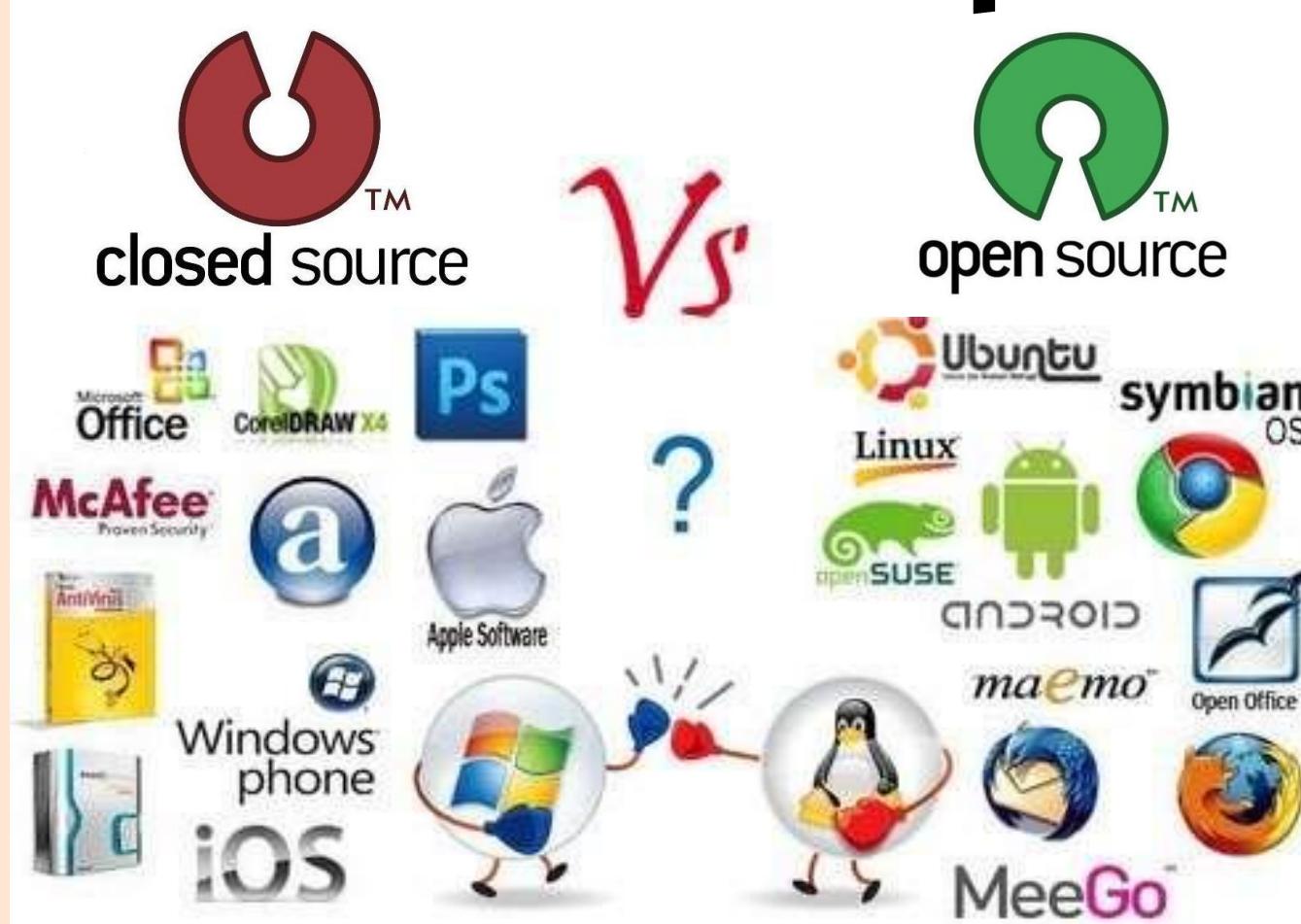
No costs and long-term
application viability

Vs.

Closed Source

Short-term costs and
variable application
viability

Cost vs benefits of open source



Are you trying to simply finish an application a fast a possible
(microwave-approach) or is it for a long-term purpose?

Issues with open source...

Eric S. Raymond



Founder of Open Source Initiative

Richard Stallman



Founder of Free and Open Source Foundation

Issues with open source...

Eric S. Raymond

Co-founder of OSI Banned From Mailing Lists

Written by Sue Gee

Wednesday, 11 March 2020

Eric S Raymond, one of the founders of the Open Source Initiative and its president for the first six years, has been banned from two OSI mailing lists following messages whose tone violated the code of conduct.

<https://www.i-programmer.info/news/136-open-source/13535-co-founder-of-osi-banned-from-.html>

Richard Stallman

Return of Stallman to FSF sparks outrage among open-source and free software leaders

Steven J. Vaughan-Nichols · 3/24/2021

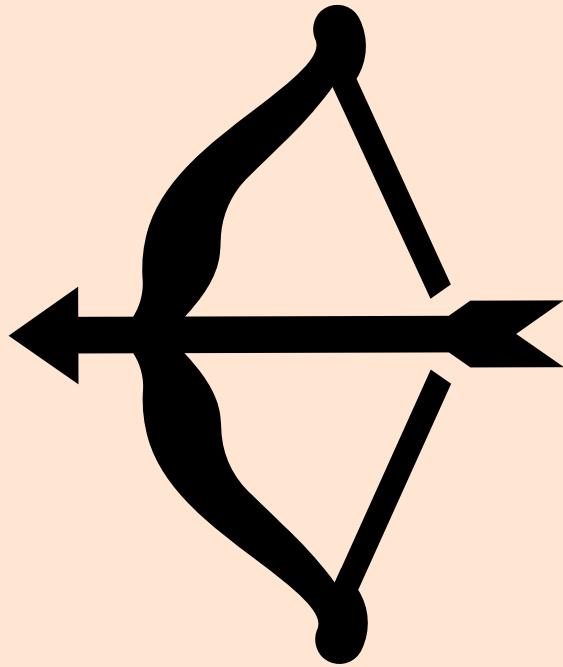


<https://www.msn.com/en-us/news/technology/return-of-stallman-to-fsf-sparks-outrage-among-open-source-and-free-software-leaders/ar-BB1eVPC8>

http://lists.opensource.org/pipermail/license-discuss_lists.opensource.org/2020-February/021328.html

Issues with open source:

Detaches technology from ethics and treats it as “neutral”



“Weapons aren’t bad, it’s up to the user.”

What is an alternative to open source?



Hint: It's related to ethics!

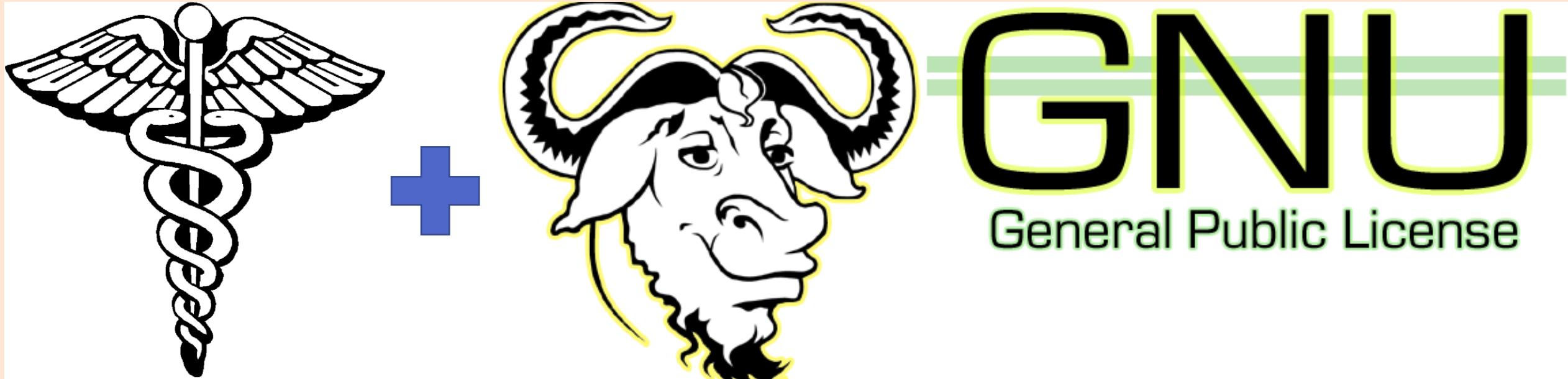
Ethical Source Licensing



Established in 2019

<https://ethicalsourc e.dev/>

What is Ethical Source Licensing?



Hippocratic Oath for Software Usage and Licensing:
Thou shall not do harm with this software.

Mapping this back to maps and coding



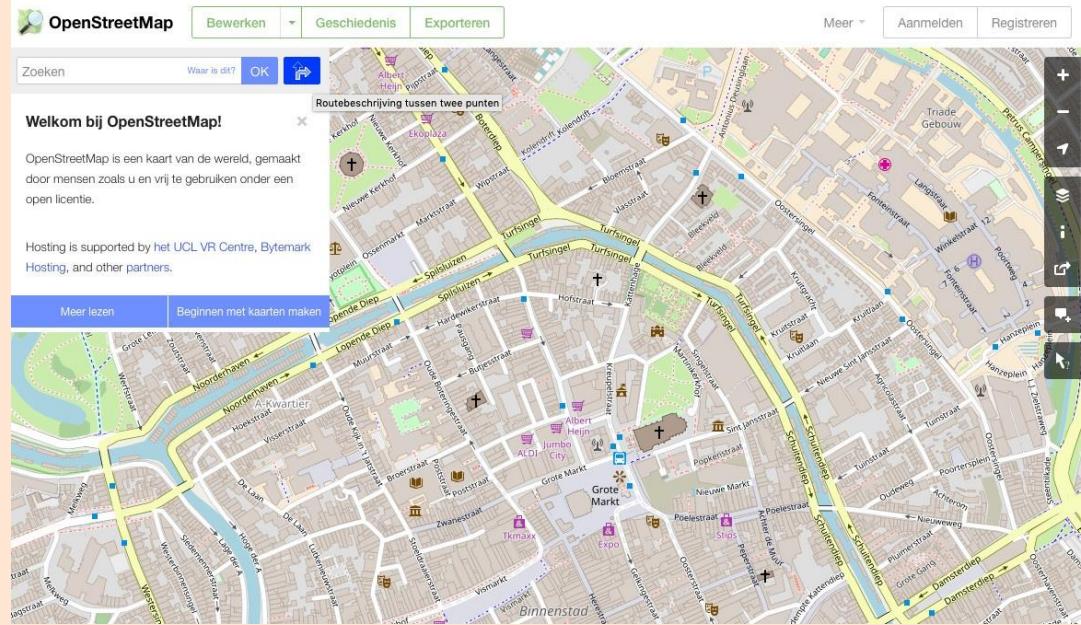
We have the ability to make web maps, but we need to think about the ethical implications of **any** technology.

Mapping this back to maps and coding

Google Maps

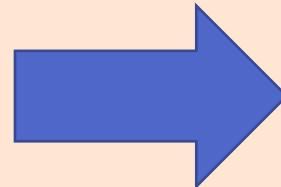


Open Street Map



Would you contribute data willingly to Google Maps?
What are you giving up/gaining between using
Google Maps vs. Open Street Map?

Example: Geocoding



Name: Los Angeles, CA,USA
Country: United States
Layer: Locality
Lon.: -118.25703
Lat.: 34.05513

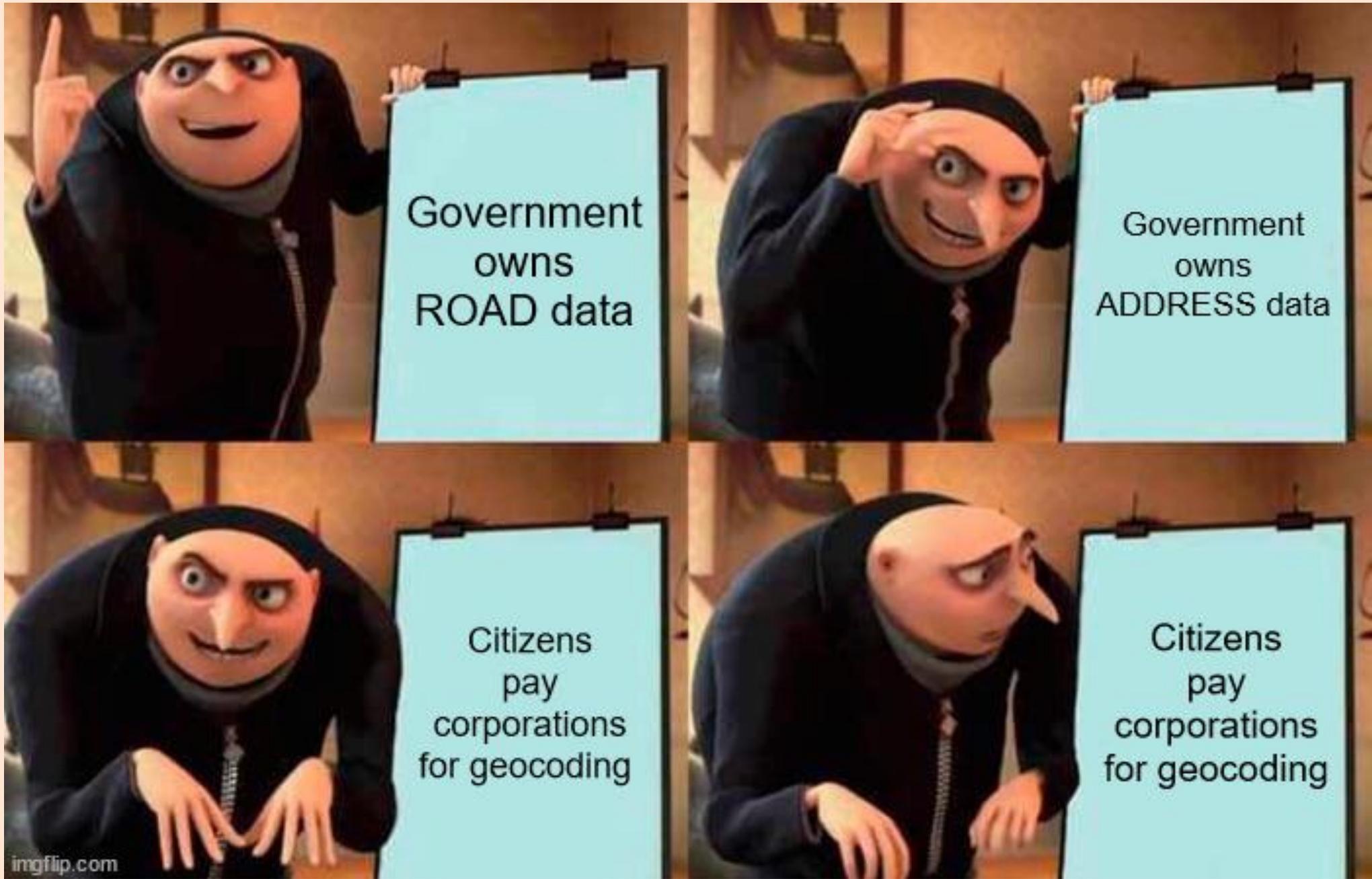
Leaflet and MapLibre vs. Google Maps (again)

The screenshot shows the documentation for the Leaflet Control Geocoder plugin. It features the Leaflet logo at the top, followed by the plugin's name and version information: "Leaflet Control Geocoder npm v2.2.0 Leaflet 1.0.0". Below this, a brief description states: "A simple geocoder for Leaflet that by default uses OSM/Nominatim." A note below says: "The plugin supports many different data providers:" followed by a bulleted list: • LatLng to parse basic latitude/longitude strings • OSM/Nominatim • Bing Locations API • Google Geocoding API • Mapbox Geocoding. At the bottom, there is a blue header bar with the text "MapLibre GL JS" and a gear icon.

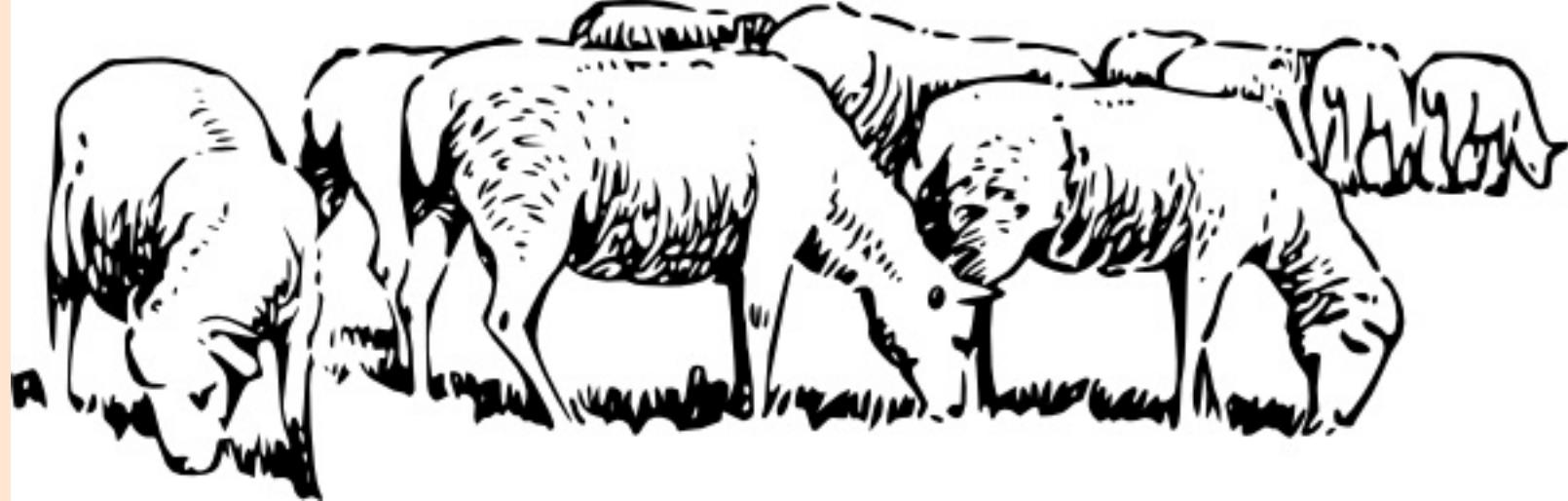
Geocode with Nominatim

Geocode with Nominatim and the maplibre-gl-geocoder plugin.

The screenshot shows the "Google Maps Platform APIs by Platform" page. It has a header with tabs for MAPS, ROUTES, and PLACES, with MAPS selected. Below the tabs, there are five sections: 1. Static Maps: "Display maps as images" - FREE FOR MOBILE, \$2 PER 1000 REQUESTS. 2. Dynamic Maps: "Display interactive, customizable maps" - FREE FOR MOBILE, \$7 PER 1000 REQUESTS. 3. Local Context Map (Beta): "Provide detailed information on nearby places directly on your maps - including user ratings, reviews, photos, pricing, ETA and walking directions" - FREE DURING BETA, Requires enabling Dynamic Maps - \$7 CPM. 4. Static Street View: "Display a non-interactive Google Street View 360 panoramic or thumbnail image" - \$7 PER 1000 REQUESTS. 5. Dynamic Street View: "Display an interactive Google Street View 360 panoramic or thumbnail image" - \$14 PER 1000 REQUESTS.

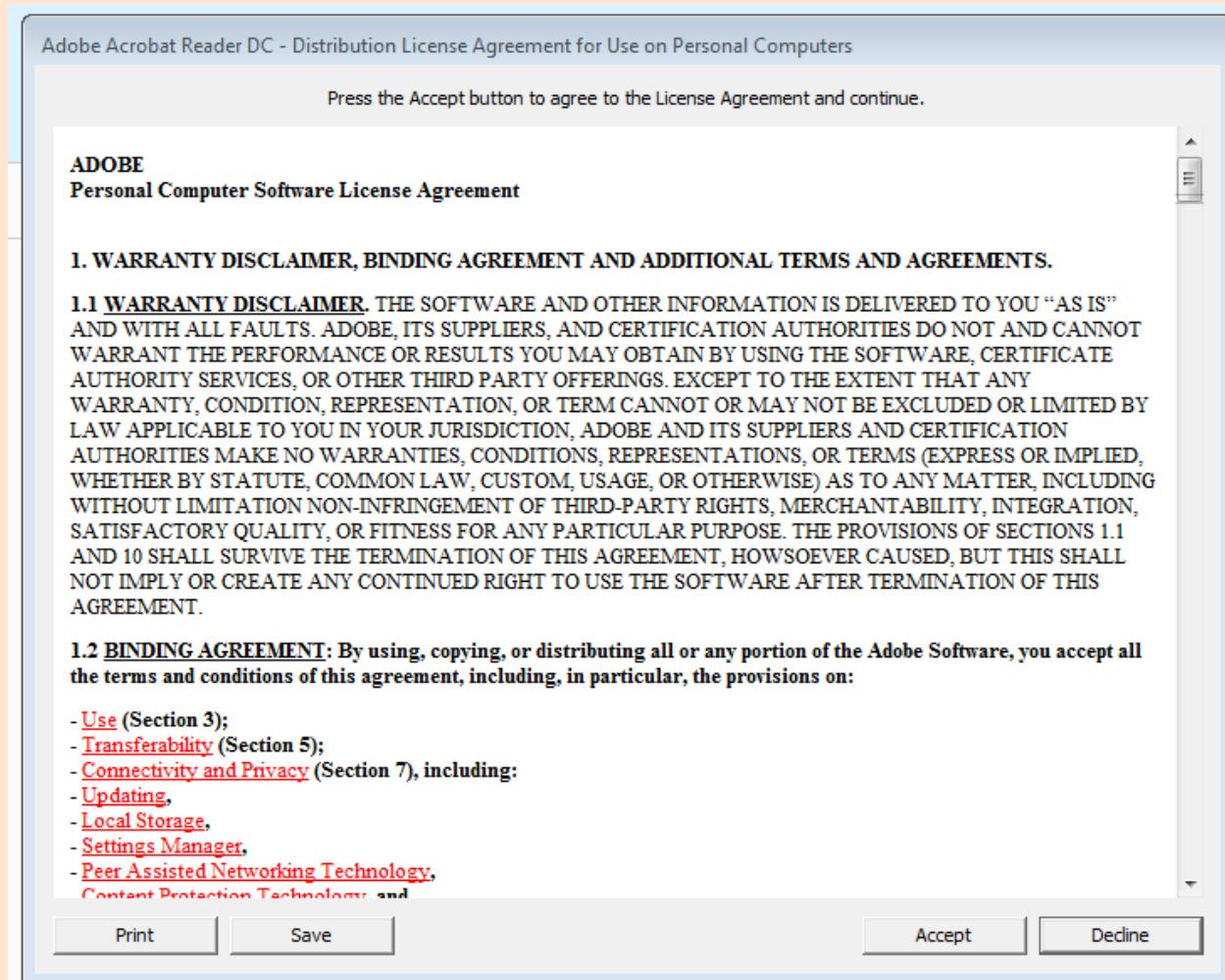


Public data is now the commodity



Governments used to be closed with their data, but even with more “open data,” the private sector capitalizes on it.

Data Privacy



Who reads this?! Let's just accept in order to move forward!

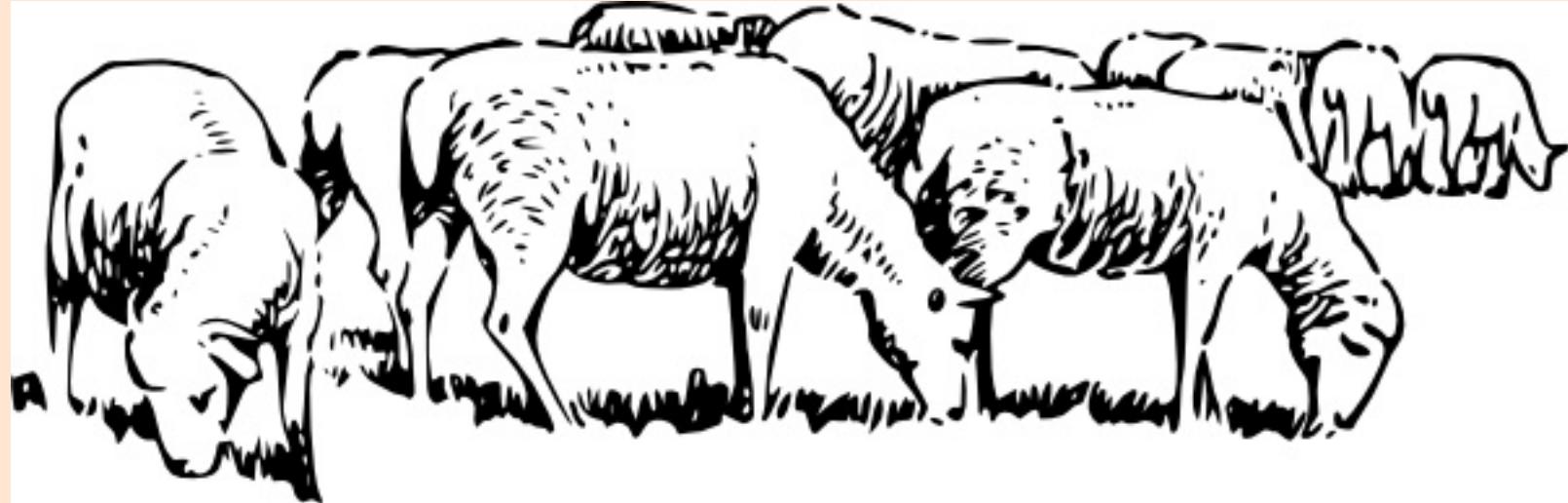
Welcome to iCloud

THIS LEGAL AGREEMENT BETWEEN YOU AND APPLE GOVERNS YOUR USE OF THE iCLOUD PRODUCT, SOFTWARE, SERVICES, AND WEBSITES (COLLECTIVELY REFERRED TO AS THE "SERVICE"). IT IS IMPORTANT THAT YOU READ AND UNDERSTAND THE FOLLOWING TERMS. BY CLICKING "AGREE," YOU ARE AGREEING THAT THESE TERMS WILL APPLY IF YOU CHOOSE TO ACCESS OR USE THE SERVICE.

Apple is the provider of the Service, which permits you to utilize certain Internet services, including storing your personal content (such as contacts, calendars, photos, notes, reminders, documents, app data, and iCloud email) and making it accessible on your compatible devices and computers, and certain location based services, only under the terms and conditions set forth in this Agreement. iCloud is automatically enabled when you are running devices on iOS 9 or later and sign in with your Apple ID during device setup, unless you are upgrading the device and have previously chosen not to enable iCloud. You can disable iCloud in Settings. When iCloud is enabled, your content will be automatically sent to and stored by Apple, so you can later access that content or have content wirelessly pushed to your other iCloud-enabled devices or computers.

I. REQUIREMENTS FOR USE OF THE SERVICE

Your data is now the commodity



With terms and conditions, your data can be given up for free or traded for convenience.

How far will you (Pokemon) Go to protect your private data?

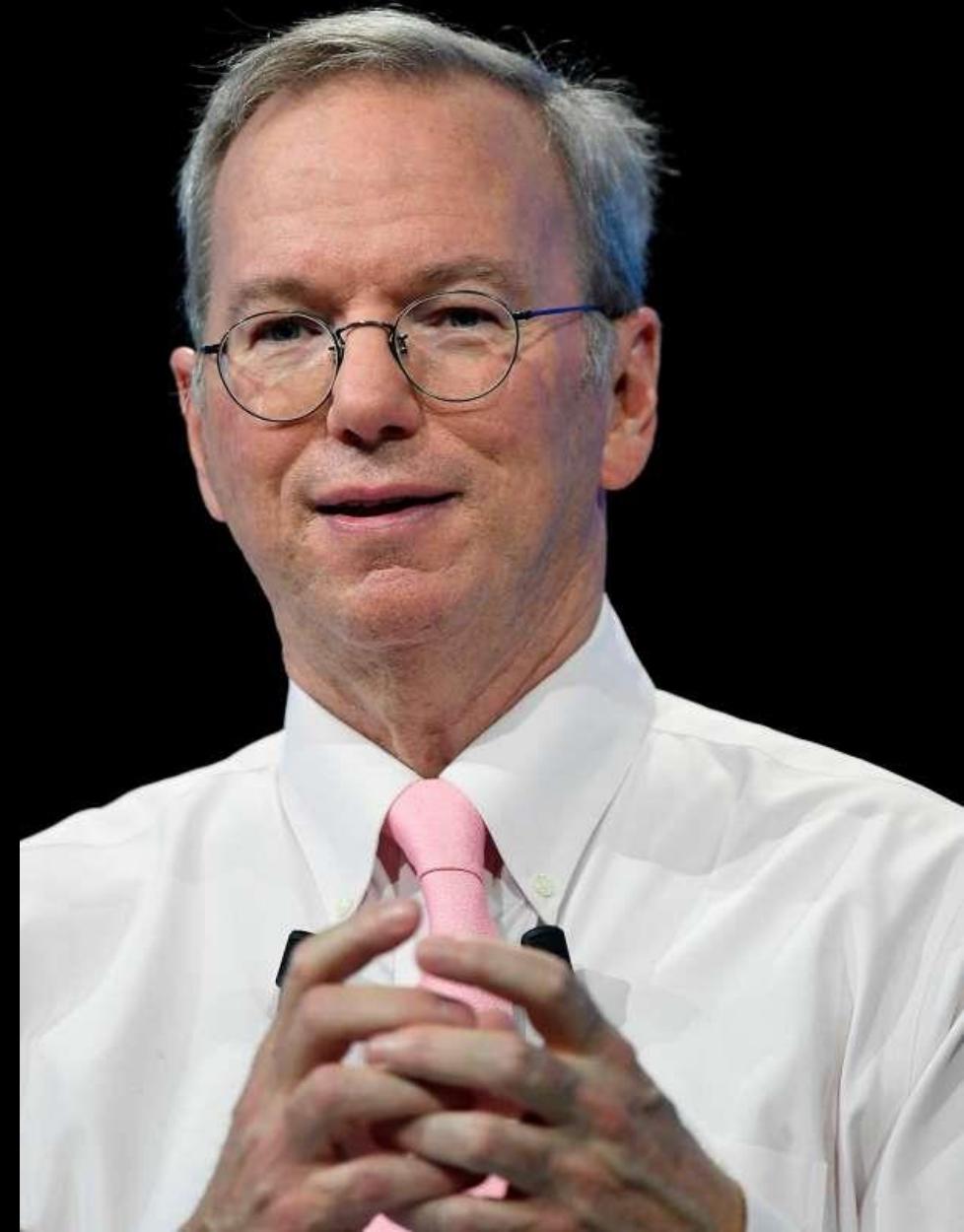


Your location data and patterns in exchange for... fun?



“If you’re doing something you
don’t want anyone to know,
maybe you shouldn’t be doing it
in the first place.”

- Eric Schmidt, Former Google CEO





O RLY?

Google in 2020

SECURITY

Google faces \$5 billion lawsuit in U.S. for tracking 'private' internet use

Google “cannot continue to engage in the covert and unauthorized data collection from virtually every American with a computer or phone,” the complaint said.

June 2, 2020, 3:50 PM PDT / Updated June 3, 2020, 5:00 AM PDT

By Reuters

<https://www.nbcnews.com/tech/security/google-sued-u-s-tracking-users-private-internet-browsing-n1222676>

Google in 2021

[NEWS](#)[REVIEWS](#)[HOW-TOS](#)[VIDEOS](#)[DEALS](#) ▾[PRICE GUIDES](#) ▾[APPLE A-Z](#) ▾[MORE](#) ▾

Google fails to end 'private browsing' snooping lawsuit



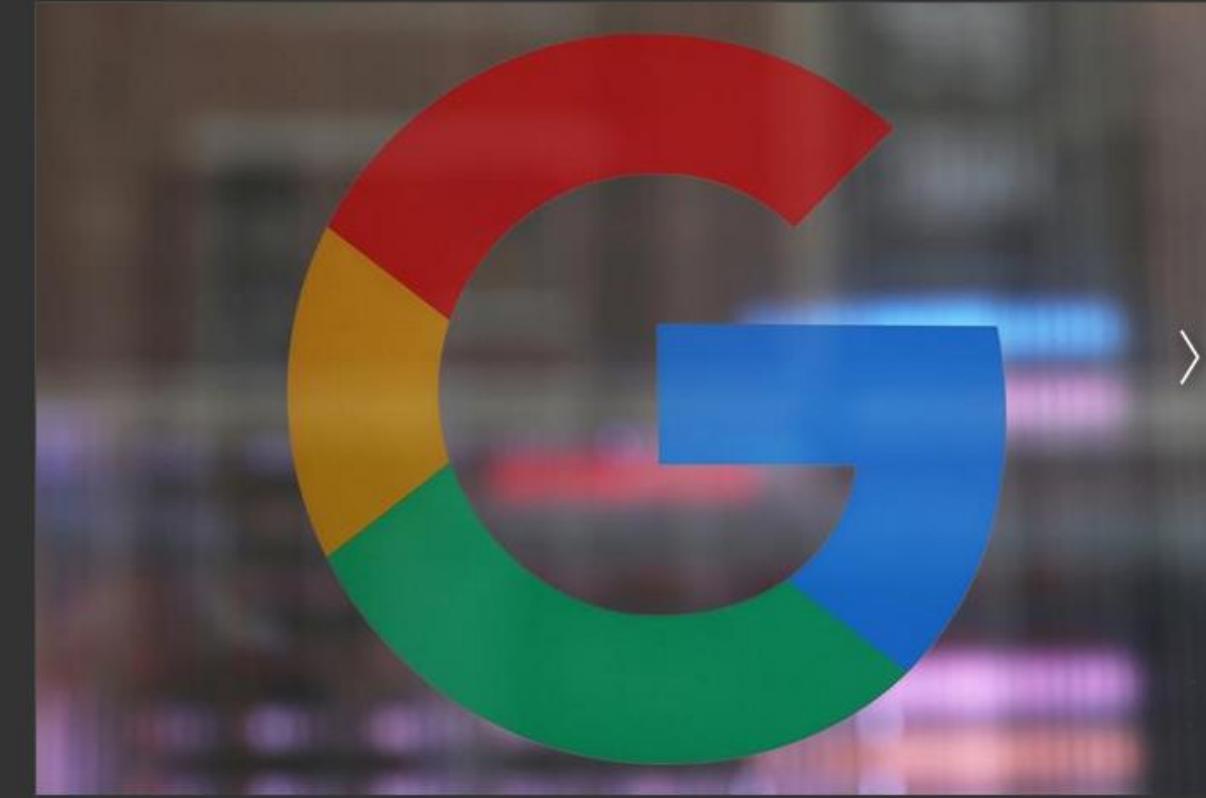
By [Malcolm Owen](#) | Mar 13, 2021

<https://appleinsider.com/articles/21/03/13/google-fails-to-end-private-browsing-snooping-lawsuit>

Google in 2023

PICTURES | THU MAR 30, 2023 | 6:28PM EDT

US court sanctions Google in privacy case, company's second legal setback in days



1/1



FILE PHOTO: The logo of Google LLC is seen at a Google Store in New York City, U.S., January 20, 2023. REUTERS/Shannon Stapleton/File Photo

<https://www.reuters.com/news/picture/us-court-sanctions-google-in-privacy-cas-idUSKBN2VW1Z2>

Google in 2024

Bloomberg

Google's Antitrust Crisis: What's at Stake | Epic's Big Win | \$700 Million Google Play Deal | The Epic

Politics

Google Ad Tech Antitrust Suit Will Go to Trial, Judge Rules

- Judge rejects request to decide case before September trial
- Justice Department alleges monopoly over advertising tech

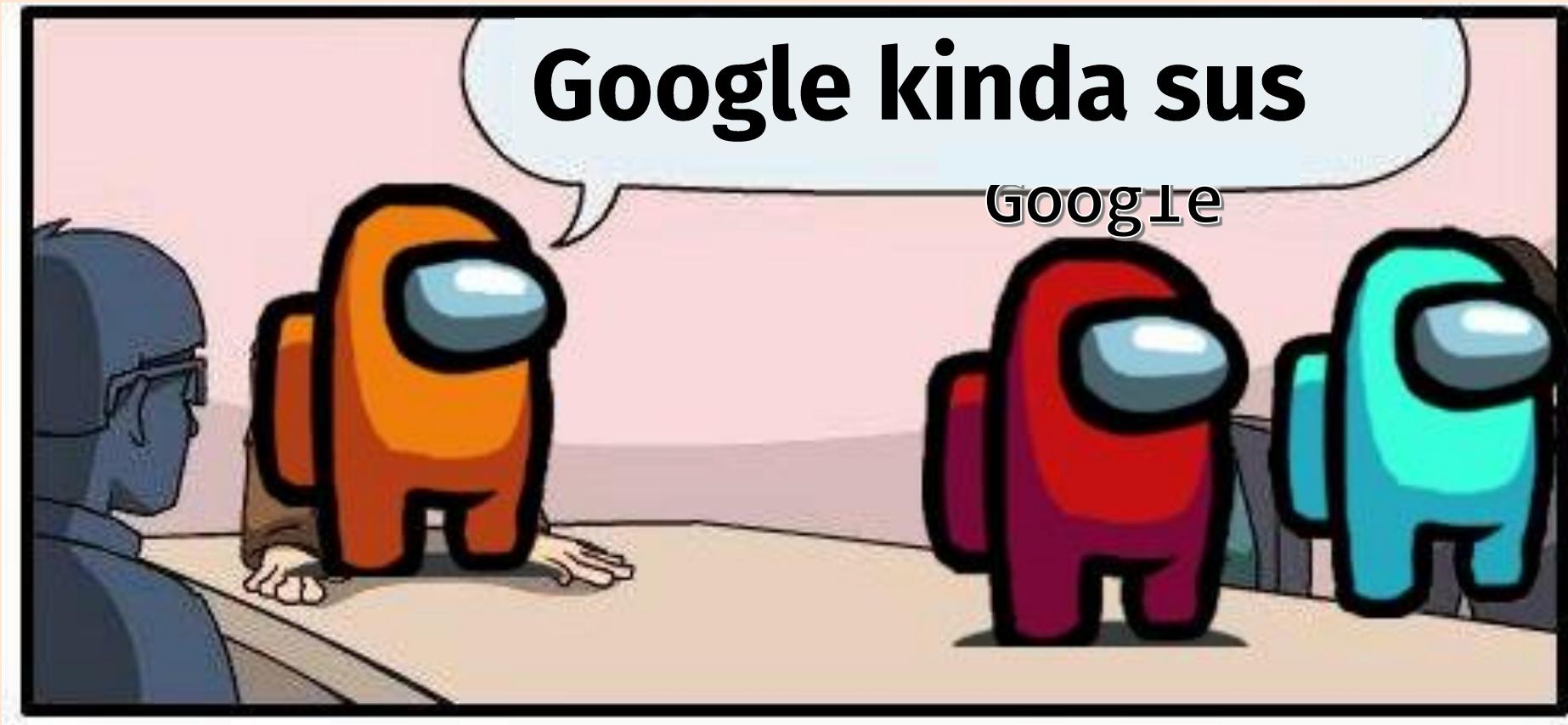


By [Leah Nylen](#)

June 14, 2024 at 9:08 AM PDT

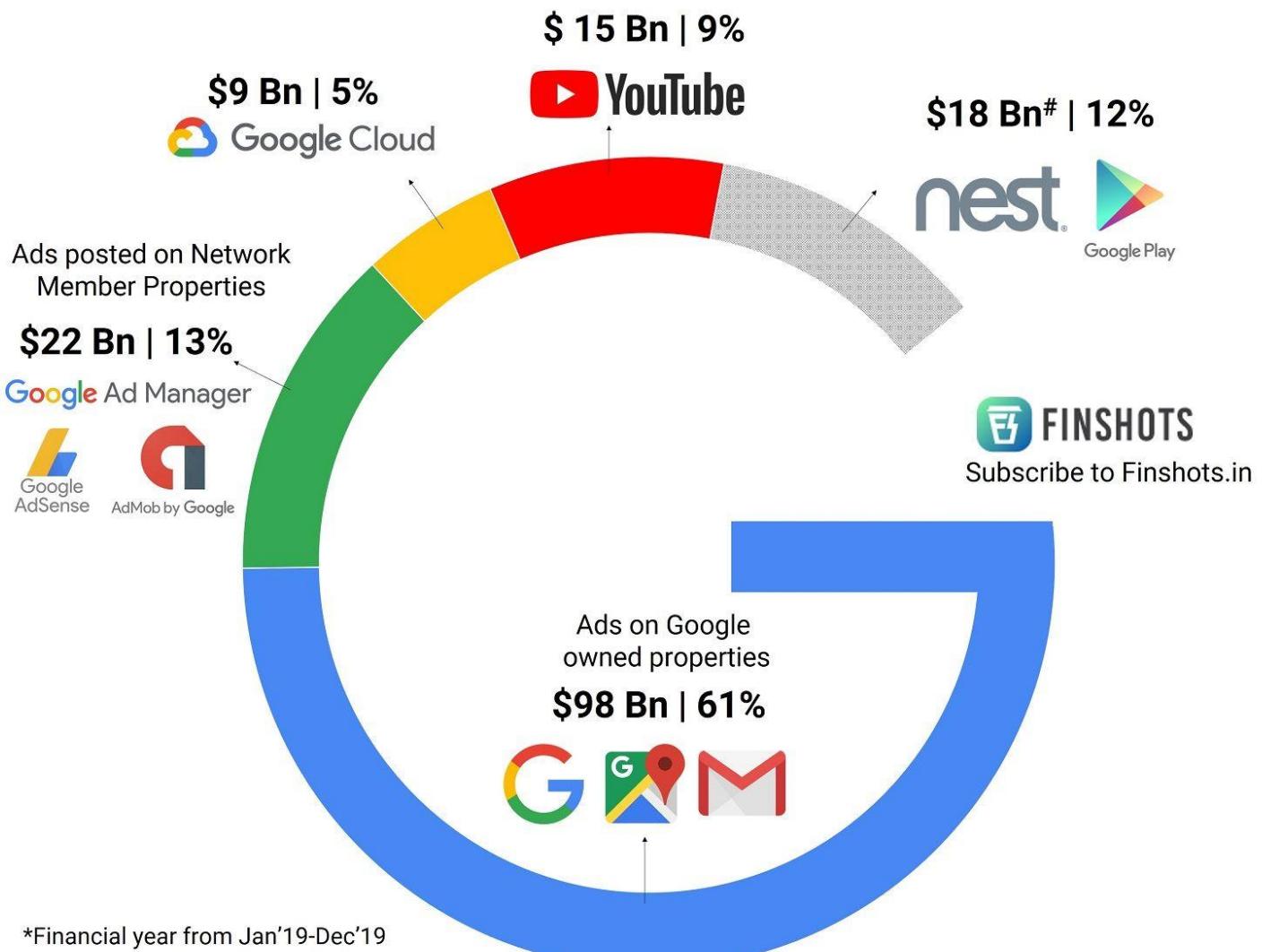
<https://www.bloomberg.com/news/articles/2024-06-14/google-ad-tech-antitrust-suit-will-go-to-trial-judge-rules>

How important are Ads to Google?



BREAKING DOWN REVENUE STREAMS OF GOOGLE (ALPHABET)

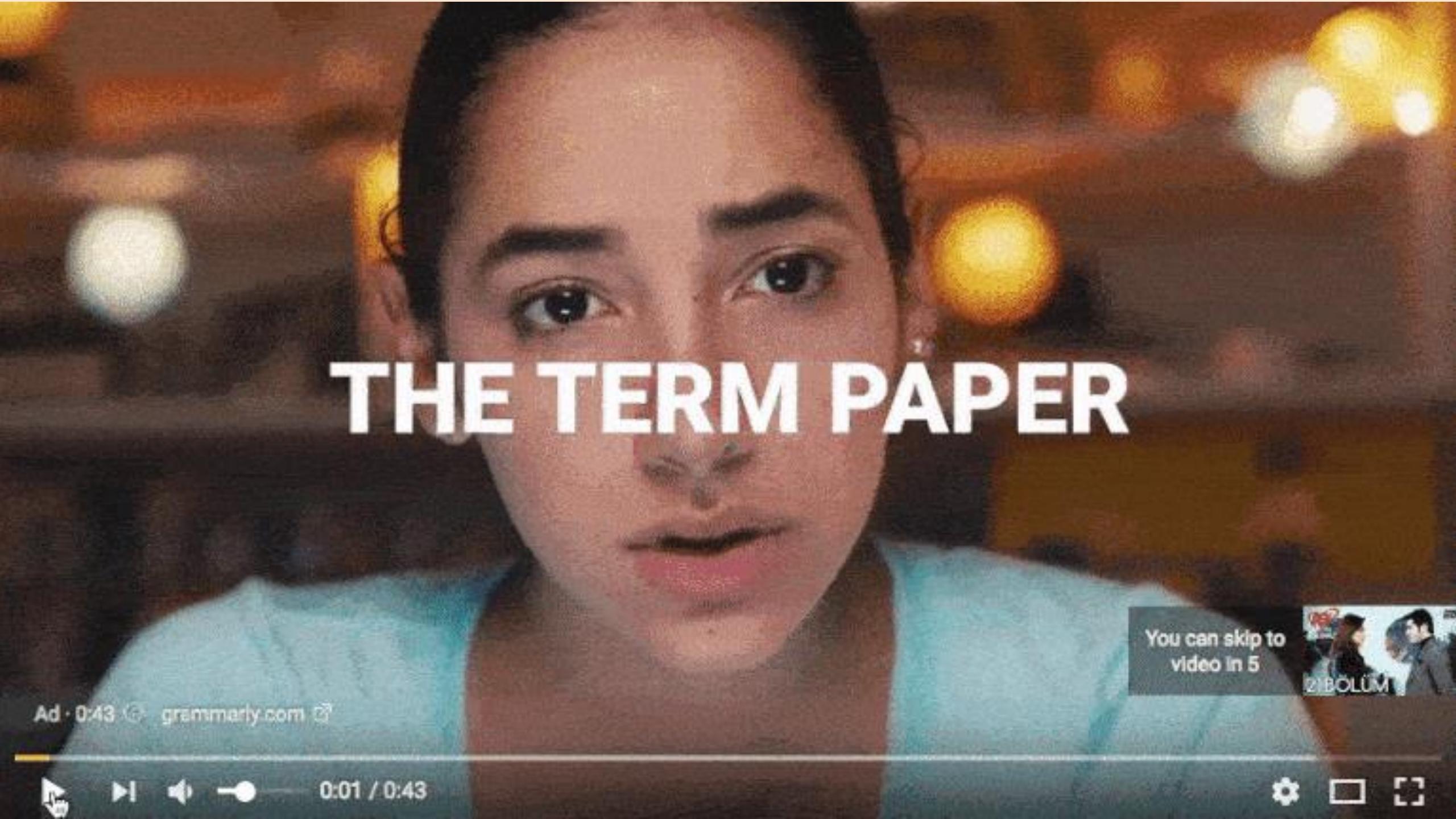
Total Revenues: \$162 Bn



*Financial year from Jan'19-Dec'19

Revenue from Hardware devices; in-app purchases & digital content on Play Store; Misc revenues.

 **FINSHOTS**
Subscribe to Finshots.in



THE TERM PAPER

Ad · 0:43 · grammerly.com

You can skip to
video in 5



2 BÖLÜM



0:01 / 0:43



How important are Ads to Google in 2021?

Google Is Testing Its Controversial New Ad Targeting Tech in Millions of Browsers. Here's What We Know.

BY BENNETT CYPHERS | MARCH 30, 2021

**FloC = Unblockable
cookies. Yay!**



Your browser does not have FloC enabled.

The FLoC origin trial only affects Google Chrome versions 89 and above.

<https://www.eff.org/deeplinks/2021/03/google-testing-its-controversial-new-ad-targeting-tech-millions-browsers-heres>

How important are Ads to Google in 2022?

Google abandons FLoC, introduces Topics API to replace tracking cookies



Illustration by Alex Ochoa / The Verge

/ Google's new concept assigns users five interests per week based on web activity

By EMMA ROTH

Updated Jan 25, 2022, 11:45 AM PST | □ 0 Comments / 0 New



<https://www.theverge.com/2022/1/25/22900567/google-floc-abandon-topics-api-cookies-tracking>

How important are Ads to Google in 2023?

Shot down: Google's grand fancy plan for pro-privacy targeted ads

W3C's techies have a few choice words for the Chocolate Factory

 [Thomas Claburn](#)

Wed 18 Jan 2023 // 02:01 UTC

Google's plan to reinvent ad targeting for the postponed post-cookie era has again been complicated by privacy concerns.

After the Chocolate Factory's Federated Learning of Cohorts (FLoC) proposal for delivering interest-based ads in a privacy-preserving way turned out to have less privacy than the package's ingredient list suggested, the ad biz reworked the technology and [rebranded it Topics](#).

https://www.theregister.com/2023/01/18/google_topics_api/

Google trying to end Ad Blockers

Ad blockers struggle under Chrome's new rules

As deadline for mandatory code rewrite approaches, Manifest v3 still looks like a step backward

 [Thomas Claburn](#)

Thu 8 Sep 2022 // 10:28 UTC

ANALYSIS Next year, Chrome browser extensions – such as ad blockers and other privacy tools – will stop working if they are reliant on an API called Manifest v2 (MV2).

So far, when these extensions are rewritten to work with Chrome's new Manifest v3 (MV3) API, you tend to end up with hobbled software that doesn't work as well.

https://www.theregister.com/2022/09/08/ad_blockers_chrome_manifest_v3/

How about in 2024?

Google's Manifest V3 will make the fight against third-party adblockers even worse

Opinion By Allisa James published June 20, 2024

Manifest V3 makes it all clear



<https://www.techradar.com/computing/chrome/googles-manifest-v3-will-make-the-fight-against-third-party-adblockers-even-worse>

Outfoxing Google with Firefox

gorhill / uBlock

Code Issues 47 Pull requests Actions Projects Wiki Security Insights

uBlock Origin works best on Firefox

Raymond Hill edited this page 3 days ago · 5 revisions

This document explains why uBO works best in Firefox.

CNAME-uncloaking

Ability to uncloak 3rd-party servers disguised as 1st-party through the use of [CNAME record](#). The effect of this is to make uBO on Firefox the most efficient at blocking 3rd-party trackers relative to other other browser/blocker pairs:

The dark green/red bars are uBO before/after it gained ability to uncloak CNAMEs on Firefox.

Source: "[Characterizing CNAME Cloaking-Based Tracking on the Web](#)" at Asia Pacific Network Information Centre, August 2020.

<https://github.com/gorhill/uBlock/wiki/uBlock-Origin-works-best-on-Firefox>

Browser	Bare	Adblock	Adblock Plus	Privacy Badger	Ghostery	uBlock Origin	uBlock Origin (rc1)
Opera	~15	~12	~15	~25	~40	~70	~70
Chrome	~12	~12	~12	~28	~42	~68	~68
Brave	~50	~50	~50	~55	~55	~70	~68
Tor Browser	~42	~42	~42	~48	~55	~75	~75
Firefox	~40	~42	~45	~58	~58	~72	~95

Beyond just ads

Google's Gemini AI caught scanning Google Drive hosted PDF files without permission — user complains feature can't be disabled

News

By Christopher Harper published yesterday

Kevin Bankston, a Senior Advisor on AI Governance, discusses this concerning Google Gemini behavior.

<https://www.tomshardware.com/tech-industry/artificial-intelligence/gemini-ai-caught-scanning-google-drive-hosted-pdf-files-without-permission-user-complains-feature-cant-be-disabled>

Beyond just ads

The screenshot shows a red header bar with a user icon, "SIGN IN / UP", and the "The Register" logo. To the right are a search icon and a menu icon. Below the header, a navigation bar includes "APPLICATIONS" and a notification badge with "46". The main content area features a large, bold headline: "Google can totally explain why Chromium browsers quietly tell only its websites about your CPU, GPU usage". Below the headline is a subtext: "OK, now tell us why this isn't an EU DMA violation – asking for a friend in Brussels". At the bottom left is the author's name, "Brandon Vigliarolo", and at the bottom right is the date and time, "Fri 12 Jul 2024 // 10:28 UTC".

SIGN IN / UP

The Register

APPLICATIONS

46

Google can totally explain why Chromium browsers quietly tell only its websites about your CPU, GPU usage

OK, now tell us why this isn't an EU DMA violation – asking for a friend in Brussels

Brandon Vigliarolo

Fri 12 Jul 2024 // 10:28 UTC

https://www.theregister.com/2024/07/12/chromium_api_system_information/

Why??

The image shows a screenshot of a Vox article page. At the top is a yellow header with the Vox logo. To the right of the logo are the words "MENU" and a black circular icon with three horizontal lines. Below the header, the word "TECHNOLOGY" is written in small capital letters. The main title of the article is "The tricky truth about how generative AI uses your data". Below the title is a subtitle: "AI systems train on your data. What can you do about it?". The author's name, "by Sara Morrison", and the date, "Jul 27, 2023, 4:15 AM PDT", are listed. To the right of the author information are two small circular icons: one with a 'f' and another with a person symbol. Below the text is a graphic of several stylized human heads in profile, each containing a colorful, multi-layered brain-like structure.

<https://www.vox.com/technology/2023/7/27/23808499/ai-openai-google-meta-data-privacy-nope>

Google is not alone.

The Observer
Facebook

Another huge data breach, another stony silence from Facebook

Carole Cadwalladr



Sun 11 Apr 2021 03.45
EDT

The social media giant is still a law unto itself. Can anybody hold it to account?

Google is not alone.

Meta is planning to use your Facebook and Instagram posts to train AI - and not everyone can opt out

Facebook and Instagram users in the UK and the European Union may soon see their posts used to train artificial intelligence.

By Mickey Carroll, science and technology reporter

<https://news.sky.com/story/meta-is-planning-to-use-your-facebook-and-instagram-posts-to-train-ai-and-not-everyone-can-opt-out-13158655>

Google is not alone.

 ≡ npr DO
BUSINESS

AT&T says hackers stole 2022 call and text data from 'nearly all' cell customers

JULY 12, 2024 · 9:17 AM ET
By Rachel Treisman



<https://www.npr.org/2024/07/12/nx-s1-5037736/att-data-breach-call-text-records>

Privacy should be a right.

“Arguing that you don’t care about the right to privacy because you have nothing to hide is no different than saying you don’t care about free speech because you have nothing to say.”

-Edward Snowden

[https://www.mic.com/articles/188563/
who-cares-i-have-nothing-to-hide-
why-the-popular-response-to-online-
privacy-is-so-flawed](https://www.mic.com/articles/188563/who-cares-i-have-nothing-to-hide-why-the-popular-response-to-online-privacy-is-so-flawed)



As should the right to **public** information



“What are the differences between Mark Zuckerberg and me? I give private information on corporations to you for free, and I’m a villain.

Zuckerberg gives your private information to corporations for money and he’s Man of the Year.”

Julian Assange

Consider

Would you trade in all your passwords in order to use Facebook?

How about handing your phone off to a stranger?

Who decides what is “right” and “wrong”?

We shouldn't force those in our surveys to agree all of those without their consent or “on accident.”

So, why is this important?

We will be working with people.

Working with civil society, there is a non-verbal contract based in the tool that you choose.

Helps us to think of ways to take control of data back towards community ownership

Why is this important?

Think what is being collected and how it could be misused or commodified:

- **Images**
- **Video**
- **Words**
- **Names**
- **Addresses**

Open Source and Open Data in Summary

-  **Think about what information can be helpful for community members/local organizations**
-  **Teach and give ownership to local people (Tech included)**
-  **Extract information without assessing safety and privacy**
-  **Use any tool available because it's “easy”**

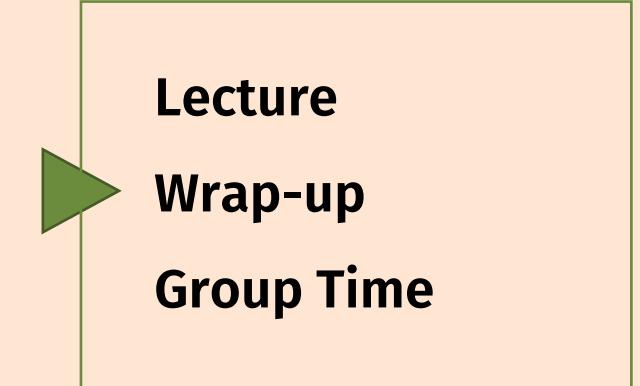
Open Source and Open Data



Try to use tools and data that **empowers** instead of
commodifies **people**. (Including yourself!!!)

Ethical Software and Developing for Civil Society

Wrap-up



Thinking Cap for the week:

What do you think about design justice? Would open-source projects benefit from considering it? How might you apply Design Justice in your designs going forward?

Assignments

Due Wednesday 7/17:

- 1. Lab Assignment #3**
- 2. Pre-Lab reading**

Seunghee Cho

Visiting Voice



Lecture
Visiting Voice
Group Time

Seunghee Cho



Seunghee Cho is a regional Sourcing Specialist at [TomTom](#) and a volunteer with the [UN Smart Maps initiative](#). She has also led mapathon events and is an active part of the [OpenStreetMap](#) community in Korea.

Designing Community Focused Surveys

Survey Lecture



Logistics

Lecture

Survey Lecture

Designing Community Focused Surveys

Let the community speak for itself.

We should not be making any “conclusions”

Main points



1. Test your survey!



2. We are here to listen and empower **NOT** take information and leave.

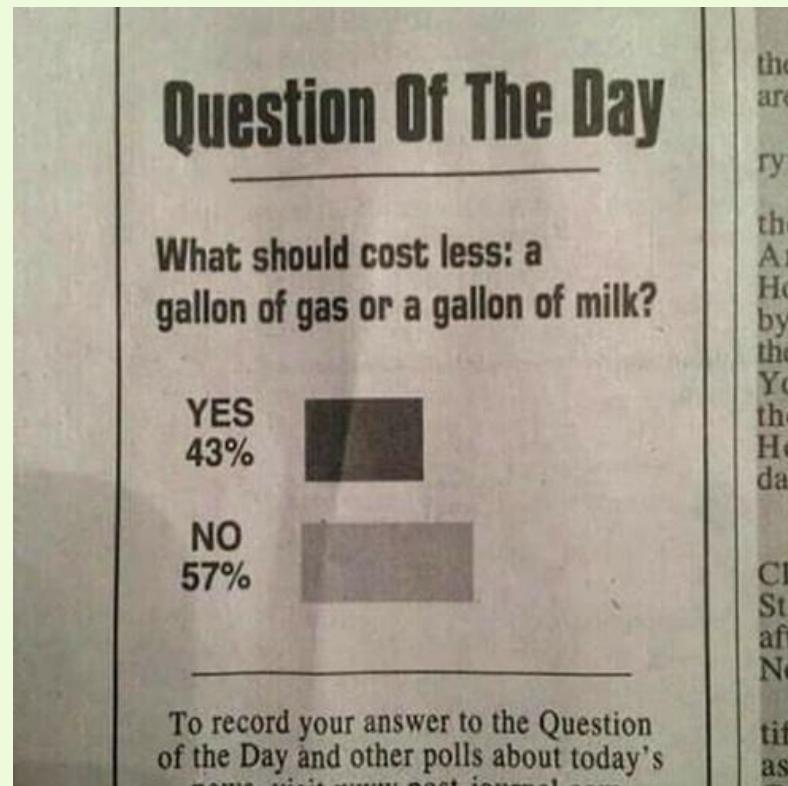


3. Acknowledge and try to avoid as much bias as possible



4. Keep it short.

#1 Reason why you should test your survey....



Respecting the community.

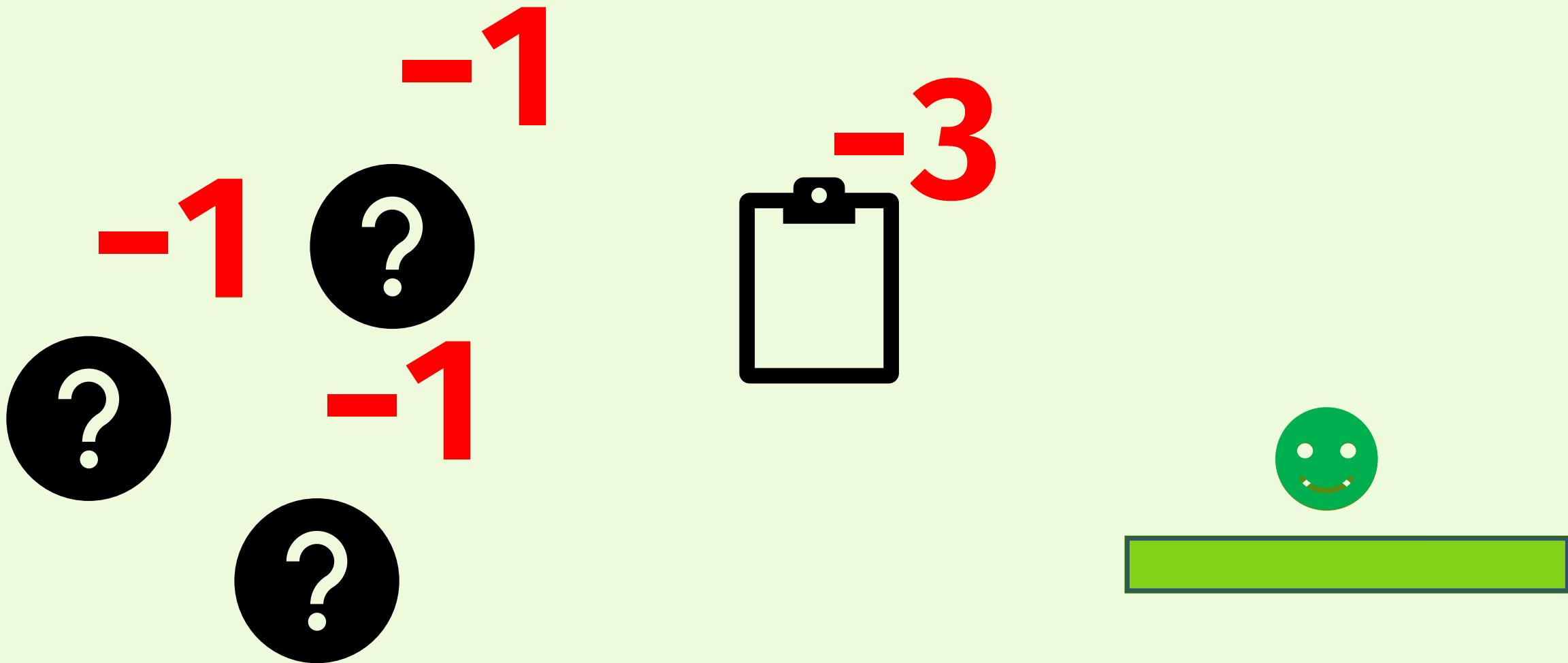
Checking for respect

- Each question **MUST** have an important purpose
- If a question is not necessary, **DO NOT** ask it because it would be “nice to know”.
- Less is more.
- Remember: Each question takes someone’s time
- Remember: Each survey contributes to survey fatigue

WHAT IS SURVEY FATIGUE?



A note about survey fatigue



A note about survey fatigue



UCLA COVID-19 Symptom Monitoring and Vaccination Verification System

For the COVID-19 daily symptom monitor, select which form you need to access, and then click the arrow button to continue.

UCLA Staff or UCLA Faculty

UCLA Student or UCLA Student Employee

UCLA Extension Student

A note about survey fatigue

English ▾

You have indicated you are working at a UCLA site in a full time or hybrid fashion.

Do you need to update your status?

Yes

No



A note about survey fatigue

English ▾

The system confirmed that you are Up-to-date with COVID-19 vaccines.

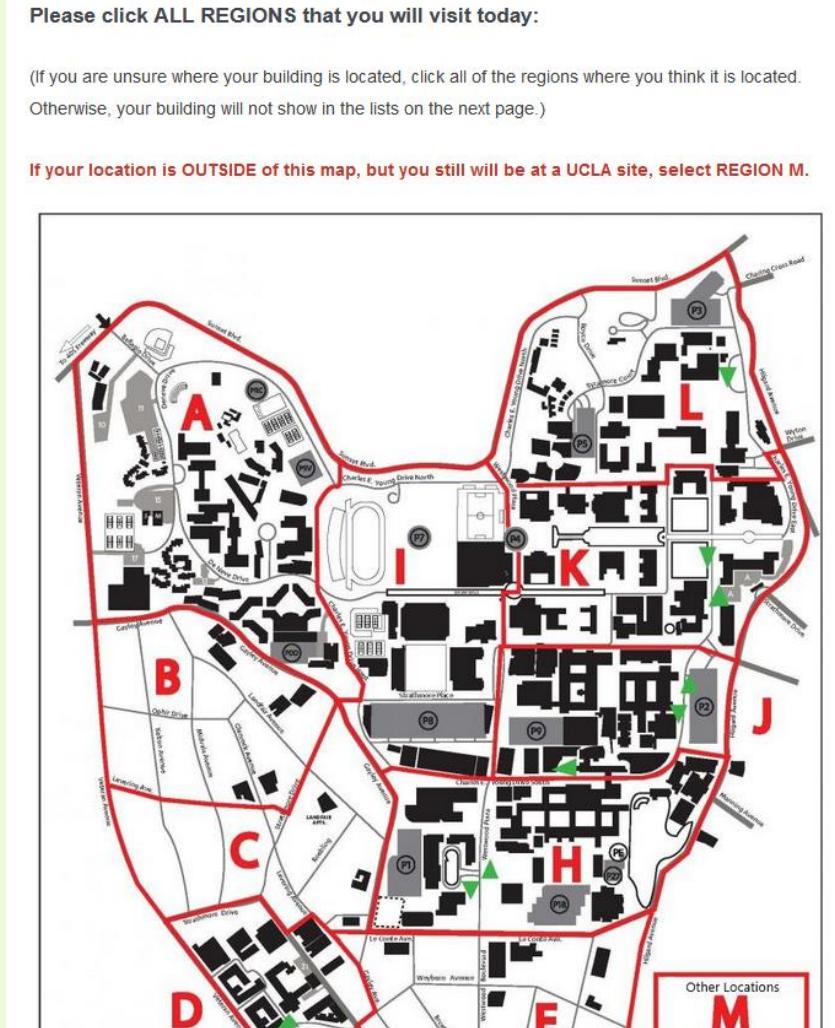
Would you like to complete the daily Symptom Monitor questions today?

Yes - I need to gain clearance to enter a UCLA site today.

No - I am done and do not need to enter a UCLA site today.



A note about survey fatigue



A note about survey fatigue

Every survey taken reduces the chance the same person will take a survey in the future.

Make your survey pleasant and meaningful for everyone, another chance may not come.

#2 - We are hear 2 listen

How we listen is important

- Access to internet may be limited
- Language barriers
- Dependent on networking
- Limits to the above could create skewed responses

How we listen is important

- Focus on open-ended questions.
- Do not “lead” (i.e. try to get a specific answer) in questions both open-ended and closed.
- If you must include **closed-ended**, do not have:
 - Tons of options
 - Long options

Example about language barriers



The COVID-19 vaccine is here. And everyone in California will get a turn.

Safe, free, and effective COVID-19 vaccines are now available to everyone age 16 and up. Let's end this pandemic. Check for available appointments and book your vaccination as soon as you can.

Just follow these easy steps:

Answer a few questions, choose a location, then select a date & time.

If no appointments are available in your area, register and we'll notify you when more appointments open up.

Select language

English

Find an appointment

Exhibit A.



City of Los
Angeles

English ▾

Los Angeles COVID-19 Vaccine Registration

Pick your group and book an appointment



Choose your group



[Book Appointment](#)

[Frequently Asked Questions](#)



Need assistance booking an appointment?
¿Necesita ayuda para reservar una cita?

[Learn More](#)
[Aprende más](#)

PHASES WE'RE CURRENTLY VACCINATING

• Phase 1A ⓘ

• Phase 1B ⓘ

• Health condition or disability ⓘ

Need more information on current vaccine eligibility? [Learn More](#).

Exhibit B.

Urgent Care Map Area

Search this area

Map data ©2021 Google, INEGI Terms of Use

1. Cal State LA - Pfizer - Park & Walk - LAFD
5151 State University Dr
Los Angeles, CA 90032
Next: [Tomorrow at 8:30 am](#)

2. Hansen - Janssen J&J (Age 18+) - Drive-Thru - LAFD
10965 Dronfield Ave
Los Angeles, CA 91331



COVID-19 vaccine sites

Find out where to get a vaccine if you're eligible. Keep checking for appointments. New locations will be added as they're available. If you need a second dose, contact the location where you got your first dose. [Learn more.](#)

ⓘ You must be eligible in order to get vaccinated. [See eligibility criteria](#)

Showing 71 results

CVS Store #05131

This site often has Pfizer, the only vaccine available for people age 16 and 17. People under 18 need to be accompanied by a parent or guardian to be vaccinated. Please confirm that they will have Pfizer when you book.

📍 [1900 19th Avenue, San Francisco](#)

🌐 Languages spoken
English

♿ Access
Walk-thru

✓ Appointments available as of April 19, 2021, 3:56 am

[Book an appointment](#)

Or call [800-746-7287](#)

Filters

- Only show sites open to the general public
- Only show sites with confirmed availability
- Wheelchair accessible

Any language

Drive-thru or walk-thru

Apply

Exhibit C.



The COVID-19 vaccine is here. And everyone in California will get a turn.

Safe, free, and effective COVID-19 vaccines are now available to everyone age 16 and up. Let's end this pandemic. Check for available appointments and book your vaccination as soon as you can.

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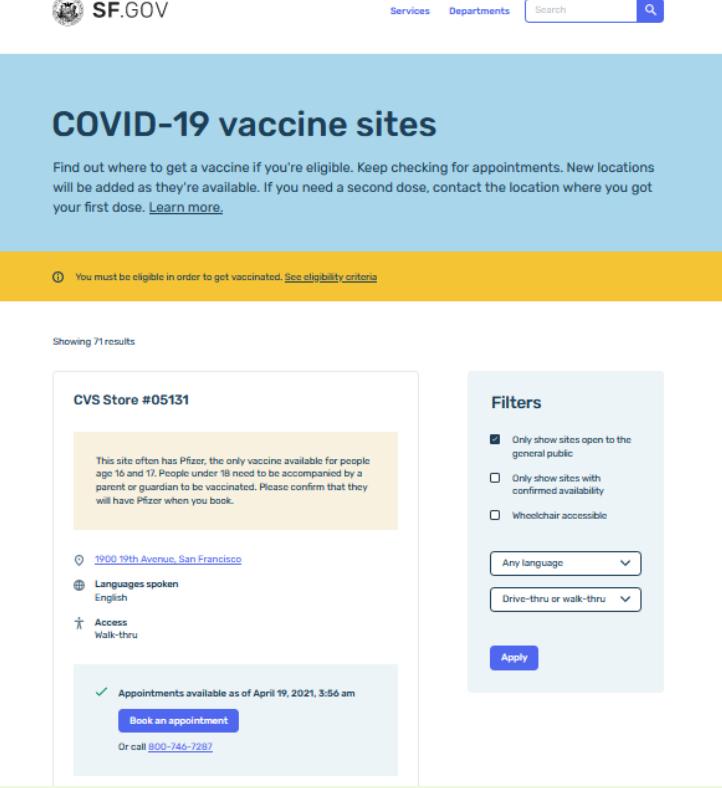
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If no appointments are available in your area, register and we'll notify you when more appointments open up.

Select language

English

Find an appointment



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1900 19th Avenue, San Francisco

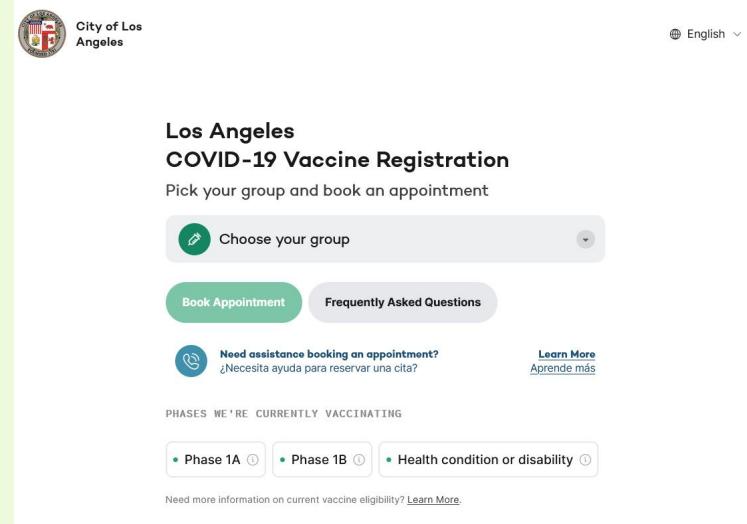
Languages spoken English

Access Walk-thru

Appointments available as of April 19, 2021, 3:56 am

Book an appointment

Or call [800-746-7287](#)



City of Los Angeles

English

Los Angeles COVID-19 Vaccine Registration

Pick your group and book an appointment

Choose your group

Book Appointment **Frequently Asked Questions**

Need assistance booking an appointment? [Learn More](#) [Aprende más](#)

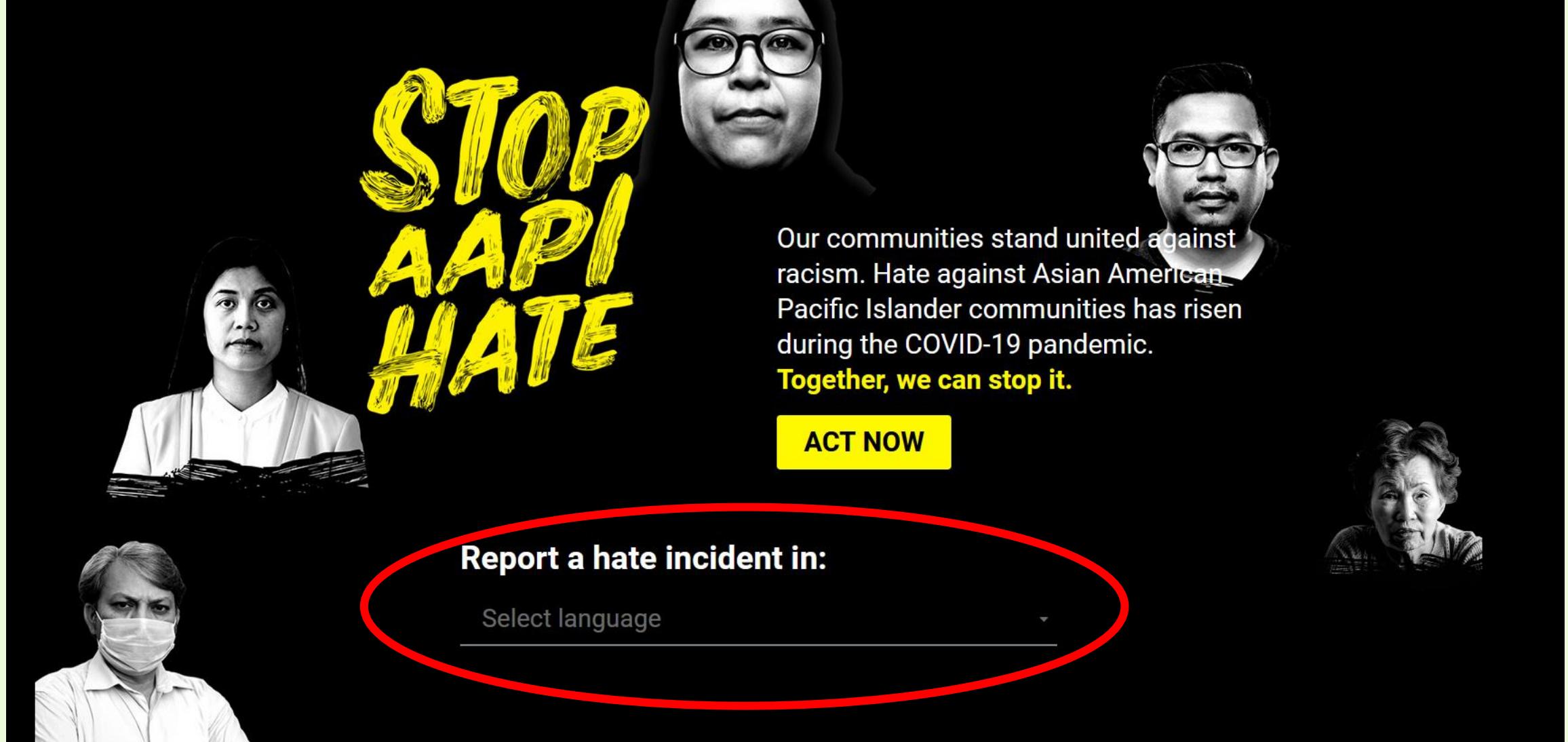
PHASES WE'RE CURRENTLY VACCINATING

Phase 1A [Learn More](#) Phase 1B [Learn More](#) Health condition or disability [Learn More](#)

Need more information on current vaccine eligibility? [Learn More](#).

COVID-19 Vaccination Sites

Doing better



STOP AAPI HATE

Our communities stand united against racism. Hate against Asian American Pacific Islander communities has risen during the COVID-19 pandemic.

Together, we can stop it.

ACT NOW

Report a hate incident in:

Select language

Note: Google Forms vs. Microsoft Forms

아시아계 미국인 증오 범죄 보고서

* Required

사건은 어디 있었습니까 *

Your answer

당신은 아시아입니까? *

아시아 사람

아시아 아님

Other:

언제 발생 했습니까

MM DD YYYY

/ /

<https://forms.gle/JdNNm5vRYWuieaGLA>

아시아계 미국인 증오 범죄 보고서

* 필수

1. 사건은 어디 있었습니까

답변을 입력하세요.

2. 당신은 아시아입니까? *

아시아 사람

아시아 아님

기타

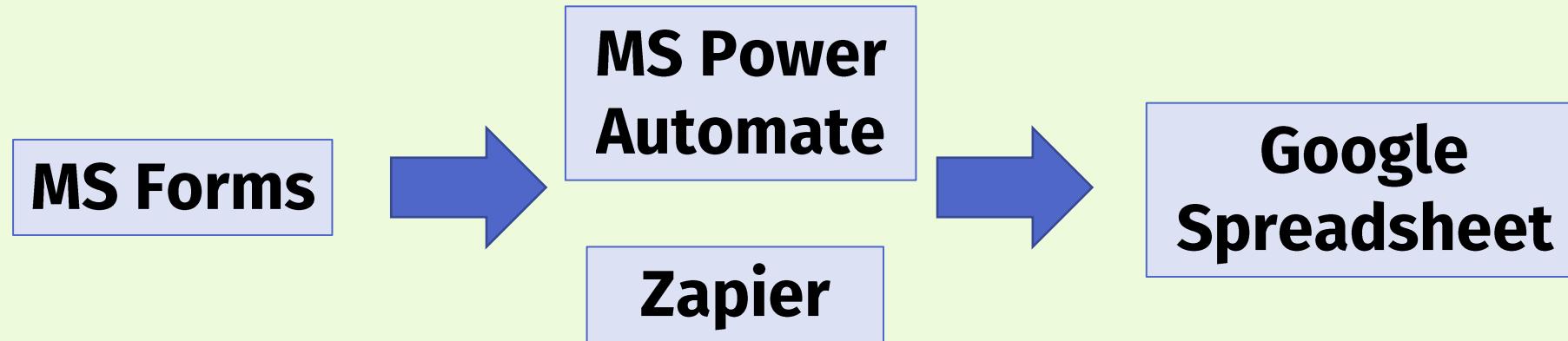
3. 언제 발생 했습니까

M/d/yyyy 형식으로 날짜를 입력하세요.



<https://tinyurl.com/5xe5t7h3>

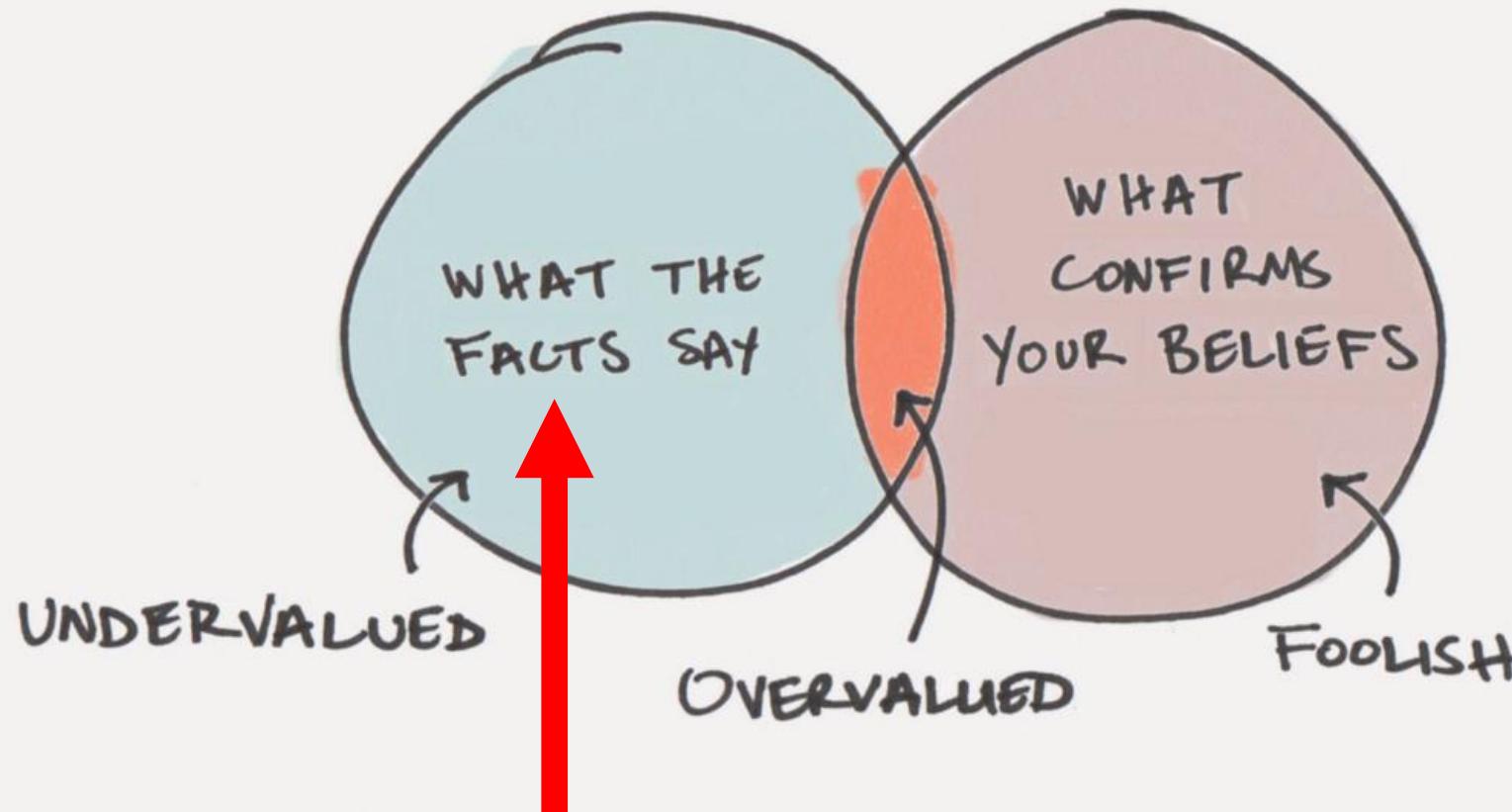
Microsoft Forms still requires connecting to Google Spreadsheet



So while it's better for multi-language but more complicated to set up for what we'll be doing.

#3 Minimizing Bias

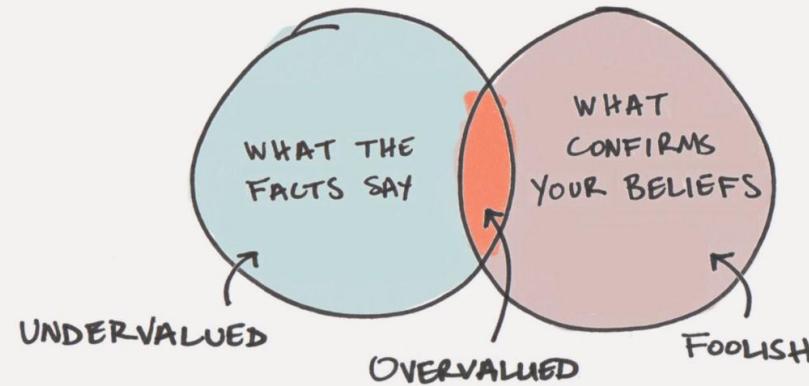
THE CONFIRMATION BIAS



Critical warning: Who determines what is factual?

What is bias?

THE CONFIRMATION BIAS



JamesClear.com

Preset notions and values. **We all have biases!!!**
But we can **learn more from people and ourselves** when we set aside our own bias and listen.

We should challenge our biases because....

- Social problems are difficult to solve if we keep assuming (wrong) things.
- To facilitate social change better, we need to start breaking down those assumptions.

How to minimize bias?

First and foremost, emphasize listening:

It is impossible to understand every social problem, but we can start to address societal issues by listening to the people affected without assumptions first.

Minimizing bias

Avoid jargon = Ask simple questions with simple wording

Avoid assumptions = Do not assume people know about your issue

Avoid leading = Do not use subjective claims

Define definitions = Explain terms if you must use them

#4 Keep it Short

Keep it short 4 you and 4 them

Keeping it short

A shorter survey = more space to share people's stories

Tie each question to **who you are looking to empower**

Open-ended questions = community members can take more time to respond if they want to

Main Takeaway of Survey Design

Be respectful.

Group Assignment #3

Draft up your surveys and revise memos

Still 2 pages MAX!!!!