



# Open Source and Web Mapping

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Ethical Software and Developing for  
Civil Society

Lecture

Wrap-up

Group Time

Join at  
[slido.com](https://slido.com)  
#ucla

Albert Kochaphum  
Lecture 3 | April 18<sup>th</sup>, 2023

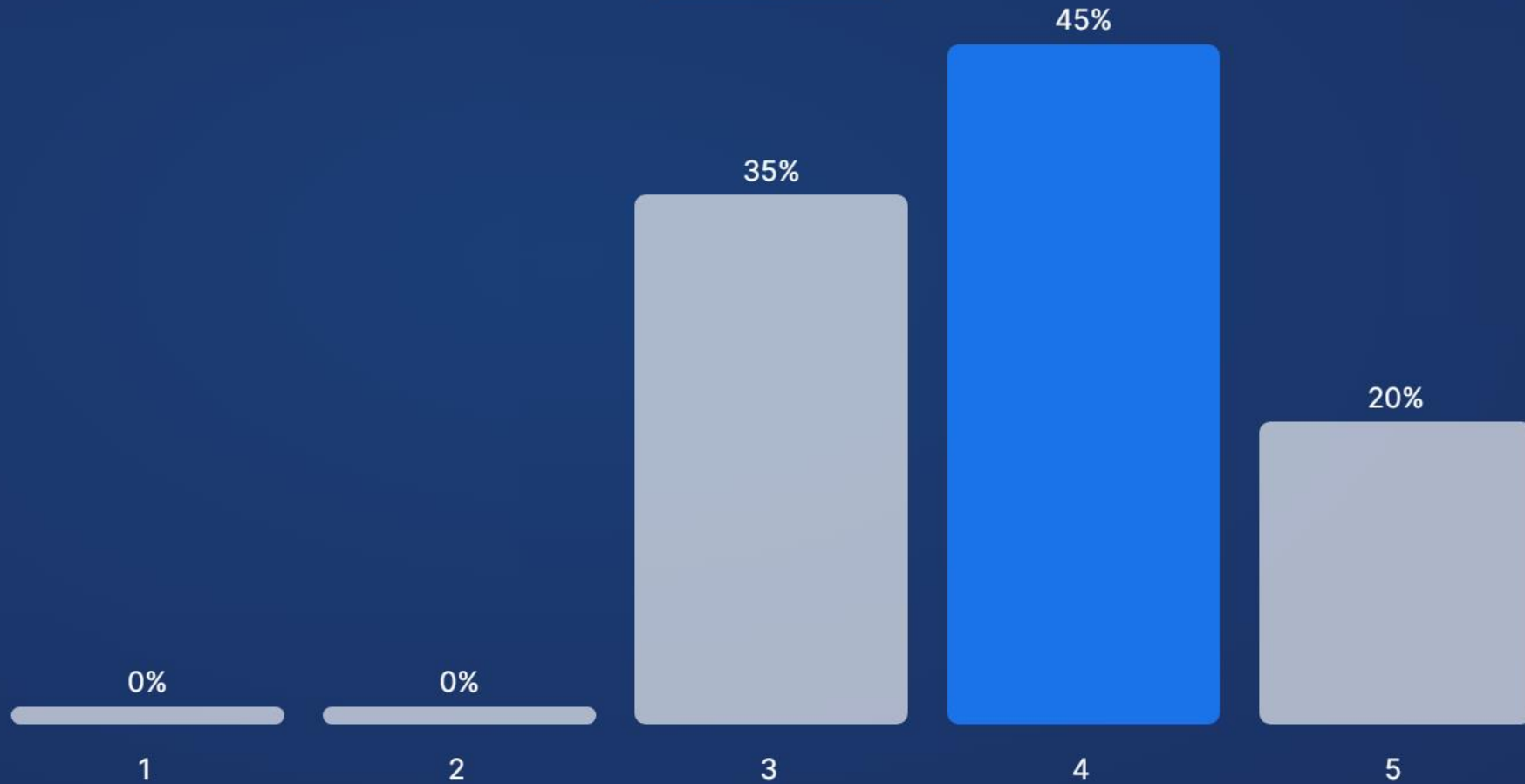
## Week 3! How are you feeling?



## How would you rate the "Participatory Mapping" reading?

1 - Not meaningful 5 - Extremely meaningful

Score: ★ 3.9



## How was the work load last week?

Just right



Too much



Too little





## Instead of discussion today you would rather have:

Group time



Lab Review



DISCUSSION....!



## How was pacing for last week's lab?

Just right



Too fast



Too slow



# **Theme of the week**

**How do you decide what technology is right?**

# Extra Credit Opportunities

6th Annual Humanitarian Mapathon

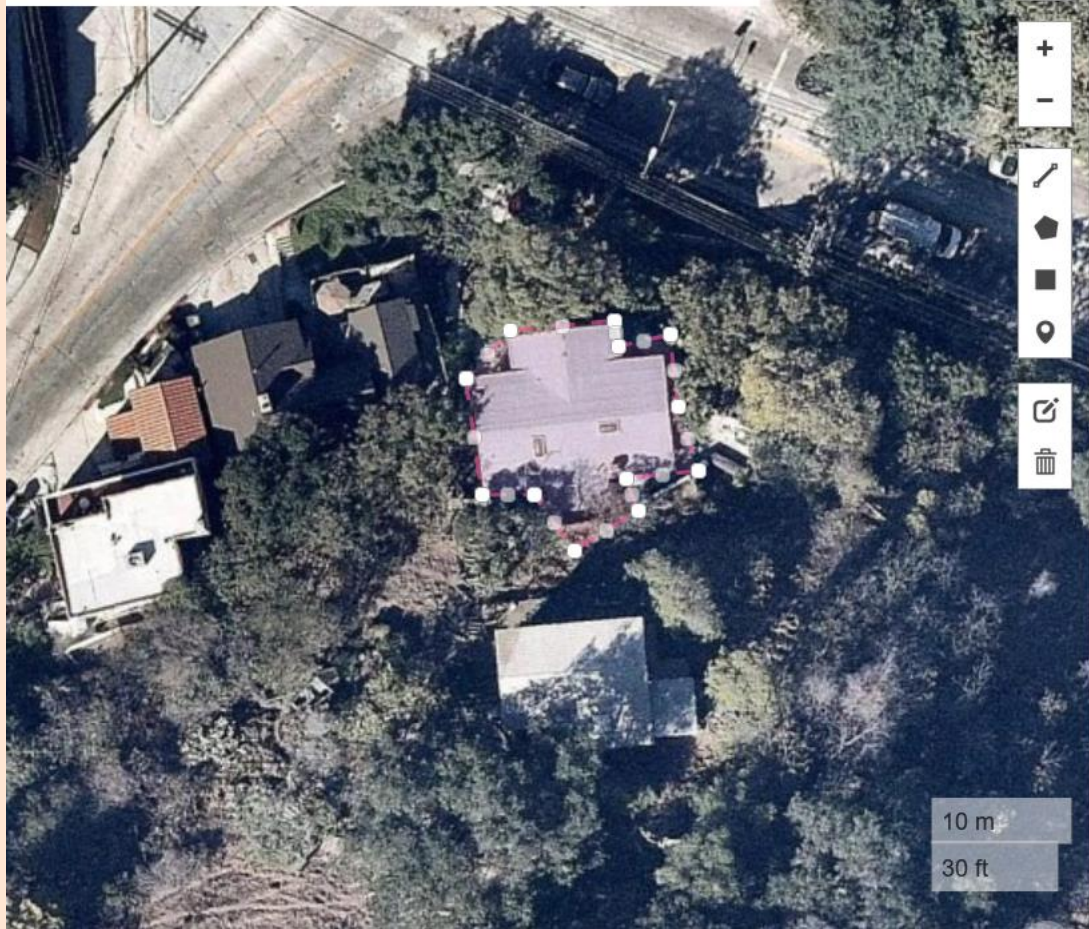


**Hands-on experience with Civil Society and mapping! With keynote speakers from Japan, Mexico, and Germany! Starts at 5pm today at Young Research Library!**

<https://mapathon.la/en/>




Open Save New Share Meta  unsaved



 JSON

 Table

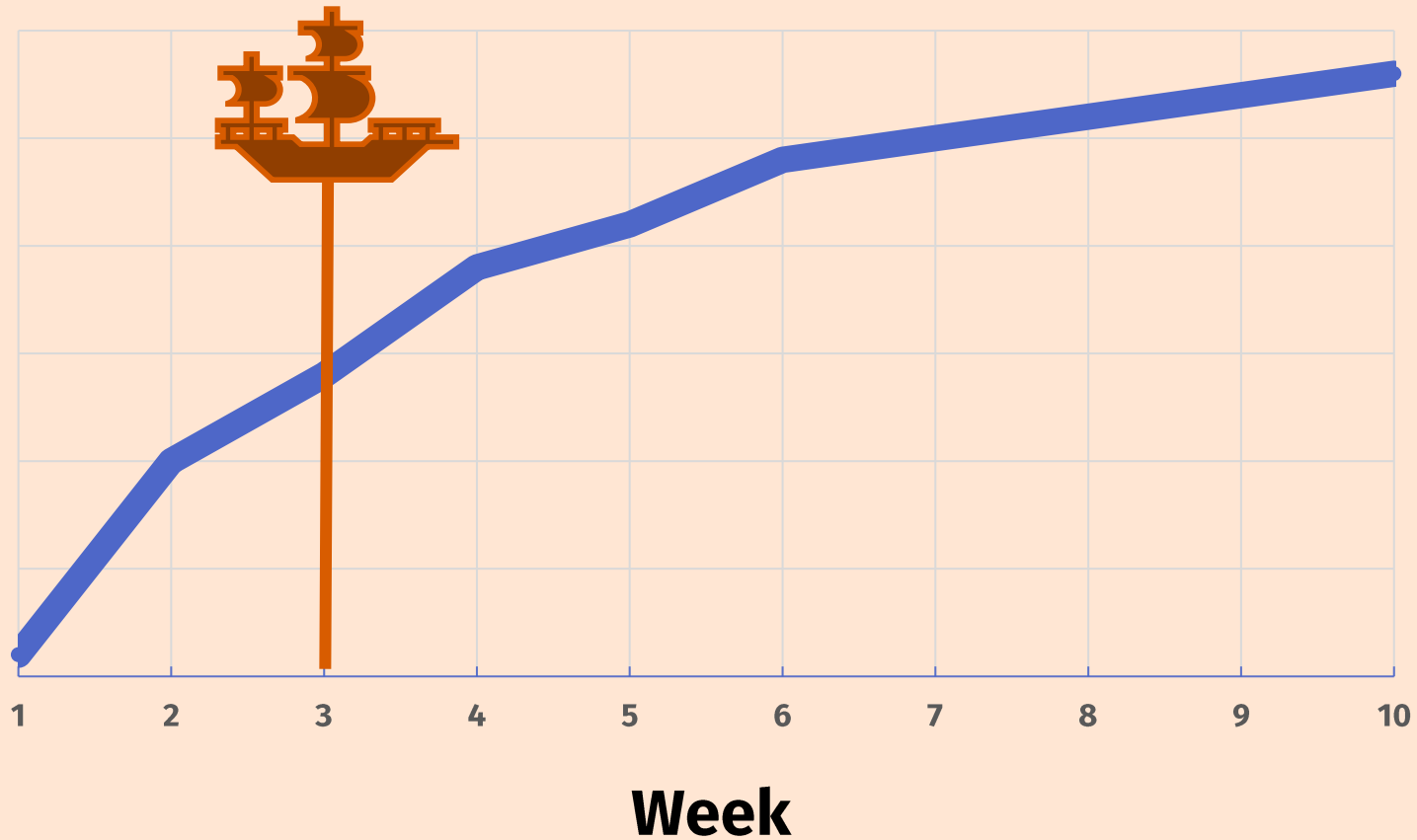
 Help

anon | [login](#)

```
1 {
2   "type": "FeatureCollection",
3   "features": [
4     {
5       "type": "Feature",
6       "properties": {},
7       "geometry": {
8         "type": "Point",
9         "coordinates": [
10          -118.3560562133789,
11          34.105550773988746
12        ]
13      }
14    },
15    {
16      "type": "Feature",
17      "properties": {},
18      "geometry": {
19        "type": "Polygon",
20        "coordinates": [
```

# Lab difficulty will start to plateau

## Lab Difficulty



# Lecture

Alwards



Lecture

Wrap up

Group Time

# Lecture

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Alwards

Lecture

Alwards

Lecture

Discussion



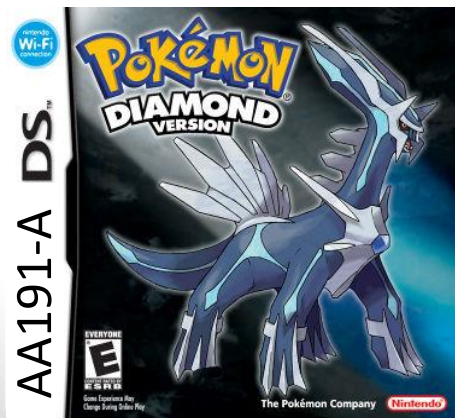
Pokémon Credit-mon  
Version:

Very Com-DIAMOND-able Labs

and

Great Thinking Caps submitted

P-EARLY!



# Giving some Turtwig-gle Room to Institutions

Jonathan Lopez

“With this conclusion, critical cartography can be improved from an initial standpoint by beginning to discuss ideas on what it means to decolonize methods of learning and sharing within critical cartography. This can be accomplished by inviting people to form the community, specifically those harmed by GIS and mapping in the past...In addition, sharing these findings and information through mediums that are accessible to people outside academics.”



<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5585465>

# Really Pachurisu-perb Replies!

Elsa Mai

“If institutions are going to play a role, I think that a way to help this is also for institutions to compensate community members for their collaborative work. I think it's important for institutions (and outside of institutions) for marginalized communities to be valued for their work.”

<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5641395>



Vicky Delk

“I agree, collaboration as peers will lead to a diversity of perspectives and will ensure the locals are being represented in the process. I think that this type of collaboration will end up aiding both parties since there is information held and to be gained on both sides... I think this false superiority is extremely detrimental, and wonder how we might be able to eradicate it.”

<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5640915>

# Good thinking Cherrubi-yond the class!

Zach Patkin

“External organizations, as outsiders, can create maps to try and understand a community, but the community itself should benefit most strongly from insights brought forth by mapping.  
“Extracting information only for the outsiders’ benefit without this being clear to those who provide it. This is familiar and can apply to almost any professional.”



<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5626019>



# Good examples to Luxray-ve About!

Kyle Tsujimoto

“Participatory maps seem like they could be a good tool for communities ... but perhaps **reducing the influence of the outside facilitator** Because participatory mapmaking methods, especially newer ones that rely on advanced technology, require training to use properly, communities could be **trained how to make maps** but not told what to make maps on for individual projects.”

<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5639357>

Mohammed Azad

“When communities are involved in the process, they can and should have direct say on how they want to be presented...In a **hypothetical example**, if I was interviewed about **my routes to a grocery store**, I would say the one I frequently take without thinking too deeply about it. On the other hand, if I was given a map and told to draw it out, it would open up more routes since I am actively reliving the routes I would take.

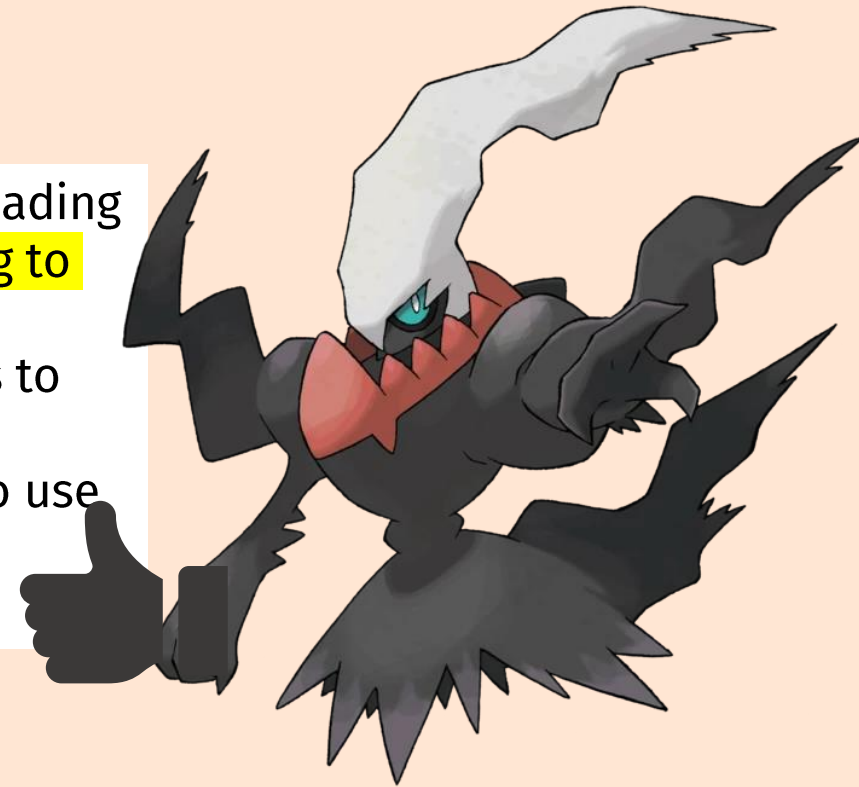
<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5641366>



# A Darkrai-ght approach in connecting to the reading!

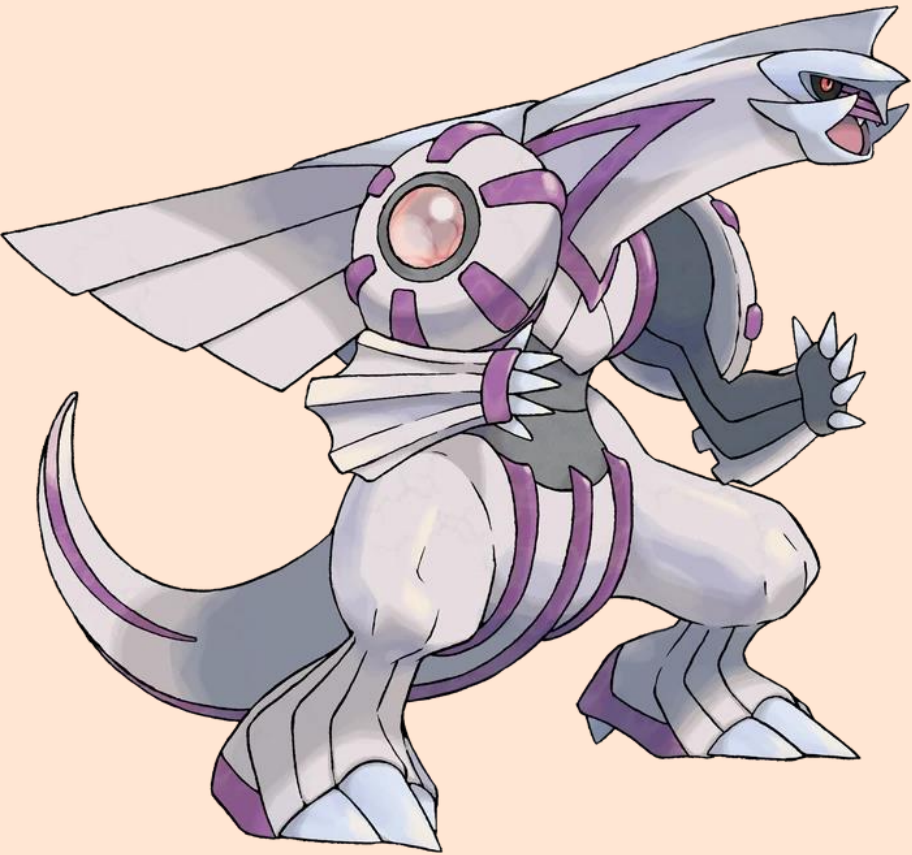
James Falkenroth

“A recurring theme I noticed in this week's reading was giving ownership and control of mapping to the community members making the maps. I believe that this should be the primary focus to improve participatory mapping and critical cartography...The community must be able to use or benefit from the final product. Another important theme is safety. “



<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5641762>

# Legendary Thinking Palika-p of the Week



Sage Luong

“Thus, it is critical for researchers to remember who they are collaborating with and to **treat these populations as humans** rather than case studies or data. I was made aware of the UCLA project [Mapping Indigenous LA](#) from a previous Digital Humanities class where the lead faculty researchers worked closely with various indigenous populations such as tribal leaders, activists, and academics.”

<https://github.com/albertkun/23S-ASIAAM-191A/discussions/5#discussioncomment-5626188>



# Nice Piplup-loaded Images!

Stella Kang

Hello! My name is Stella Kang.

## About me



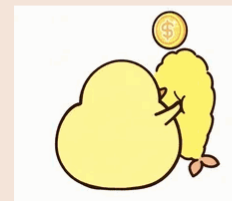
Copyright (2023)

Hello everyone! My name is Stella and I'm from Orange County. I am a junior studying Applied Linguistics and Digital Humanities. I work at the Arts Library and tutor kids (essay writing and creative writing)/ESL students. My current hobbies include exploring Westwood with friends, playing video games, and listening to music. Some places in Westwood that I visited over spring break were Mashti Malone's, Lazy Daisy, and Egg Tuck.

## I'd love to chat about these topics:

1. UX/UI - User Experience (UX) and User Interface (UI) are crucial components of any digital product. As someone who's interested in Digital Humanities, I find UX/UI to be fascinating topics. UX/UI designers aim to create intuitive, user-friendly designs that improve user engagement and satisfaction. If you want to discuss some examples of great UX/UI design, I'd be happy to chat with you about it!
2. Movies, TV shows, anime, kdramas or Youtube videos! I'm a big fan of all of these genres, so it's hard to choose just a few! For movies, I'd highly recommend "Parasite," "The Social Dilemma," and "Coding Bias." When it comes to TV shows, some of my favorites include "FRIENDS," "Abbott Elementary," and "The Office." For anime, I highly recommend "Fullmetal Alchemist: Brotherhood," "Bungou Stray Dogs," and "Attack on Titan." As for K-dramas, "Sky Castle," "Itaewon Class," and "Reply 1988" are some of my favorites. Finally when it comes to Youtube, I'm a big fan of TED Talks, Vox videos, and vlogs.
3. Places to eat in Westwood and LA - this city is filled with amazing restaurants and I haven't had the pleasure of trying many of them yet, but if you have some places to recommend, please feel free to tell me! Some of my personal favorites include [Egg Tuck](#), [Artelice Patisserie](#), and [Daikokuya Ramen](#). Each of these places offers unique, delicious food that you won't find anywhere else!

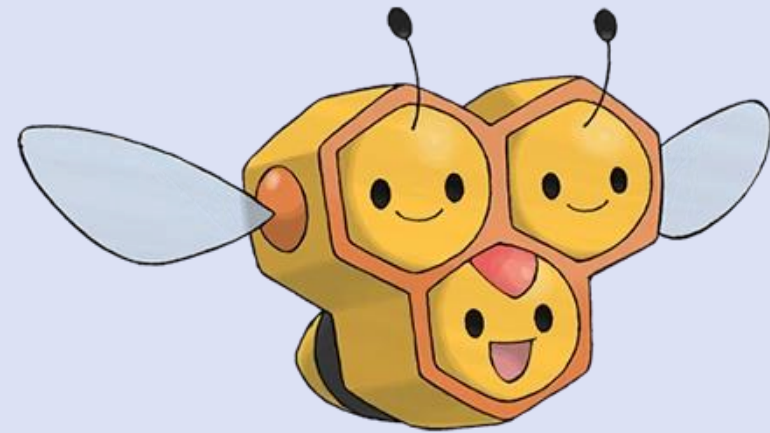
[profile](#)



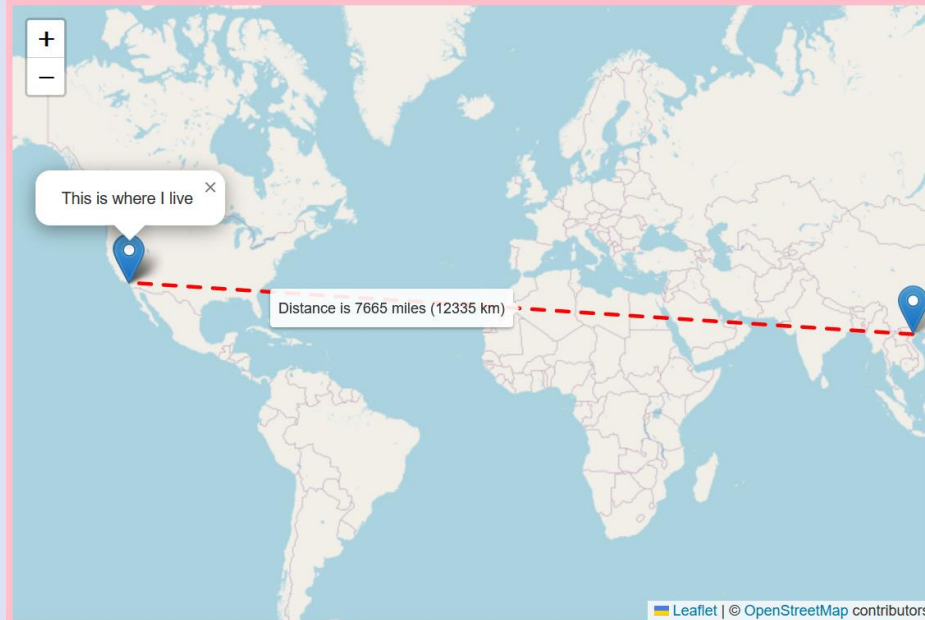
<https://stellakangj.github.io/aa191a/week1/>

# Fancy Measurement Combee-tween Points

Trinh Le



Trinh Le's Portfolio



<https://trinhqale.github.io/AM191A-labs/week1/index.html>

# TogeKISS that default font, Goodbye!

Daniel Cruz

[Simple Map](#)

## Daniel Cruz



### About me

Hi, I am a fourth year math of computation major from Long Beach, California.

Some of my interests include

- Cats. One of my favorite cats is [Larry](#)
- Video games
- History
- [Linux](#) 🐧
- Being outside



<https://dcruz74.github.io/23s-asiaam-191a-labs/week1/index.html>

# Nice Starly-ean Website!

Maizah Ali



Maizah Ali



## About Me

Hi! I'm a third-year undergraduate at UCLA double majoring in International Development Studies and Cognitive Science (one of my greatest sources of anxiety is having to explain what my two majors are about, so please don't ask). As you can tell, my interests are kind of all over the place, but I'm very passionate about thinking about development critically and in relation to colonialism, imperialism, and white supremacy. I also really love all types of art, and I enjoy creating illustrations in my (virtually nonexistent) free time (Procreate is the best app ever, change my mind 🙄).


<https://maizaha.github.io/23s-asiaam-191a-labs/week1/index.html>

# Great Shaymin-malist Multi-page layout!

Catherine Hu

Home   *Goals of the Course*   My Favorite Map Projection!

## Catherine Hu



### About Me

My name is Catherine and I'm a 3rd year at UCLA majoring in cognitive science! I love the outdoors, photography, food, and books.

Some of my hobbies lately, in order of how much time I've spent on them, include:

1. learning new [instruments](#)
2. reading—currently it's *A Most Remarkable Creature* by Jonathan Meiburg
3. exploring coffee shops



<https://catherinehu.github.io/191a-labs/week1/index.html>



# Legendary Dialaga-reat Portfolio!

Kyle Tsujimoto

## Kyle Tsujimoto: A Little About Me

[Home](#)

[More About Me](#)

### My Who and Why

Hi! My name is Kyle Tsujimoto (he/him), and I'm a Physiological Science Major and Asian American Studies Minor at UCLA. I'm interested in learning more about digital mapmaking and ways I can best apply it to serve my community. I'm invested in issues in the Japanese American community, especially gentrification and community health, and I aspire to find and represent data from and by the community through digital maps.



<https://kmtsujiimoto.github.io/23s-asiaam-191a-labs/week01/index.html>

# Giratina-aMazing Design!

Dylan Wan



home maps

## about me

I'm Dylan, currently a sophomore Design Media Arts major and Digital Humanities minor at UCLA. I'm originally from San Francisco and hope to one day go back as a professional graphic or ui/ux designer. One thing I really enjoyed about living in San Francisco was taking the relatively convenient public transportation offered, a stark contrast to the public transportation system offered in LA which sucks. The main goal of my transportation map project therefore is to make navigating public transit in LA more streamlined. As a critical digital map maker, it's imperative for me to stay cognizant about the data I collect in the process. This is to ensure that I create maps that don't unintentionally harm underrepresented communities the project is meant to help.

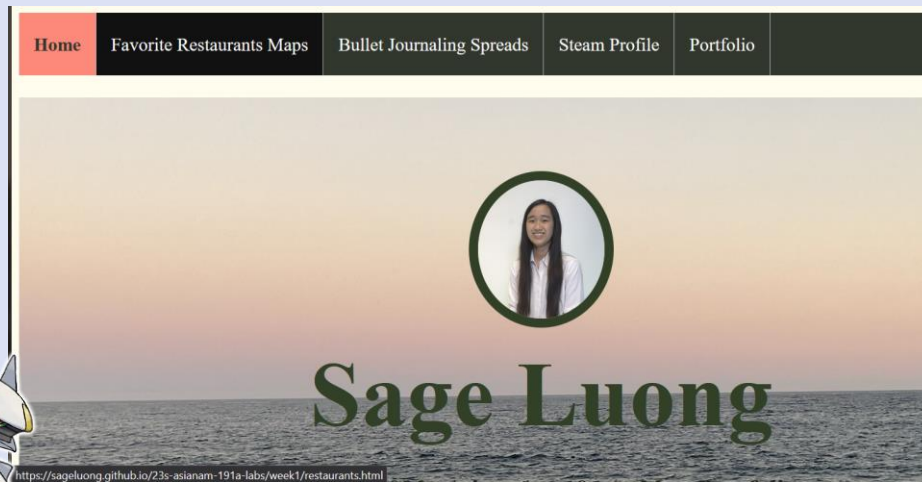
## things I like:

1. baking
2. badminton
3. design
4. movies
5. Cooper

<https://dylanjwan.github.io/asiaam-191a-assignments/week1/>

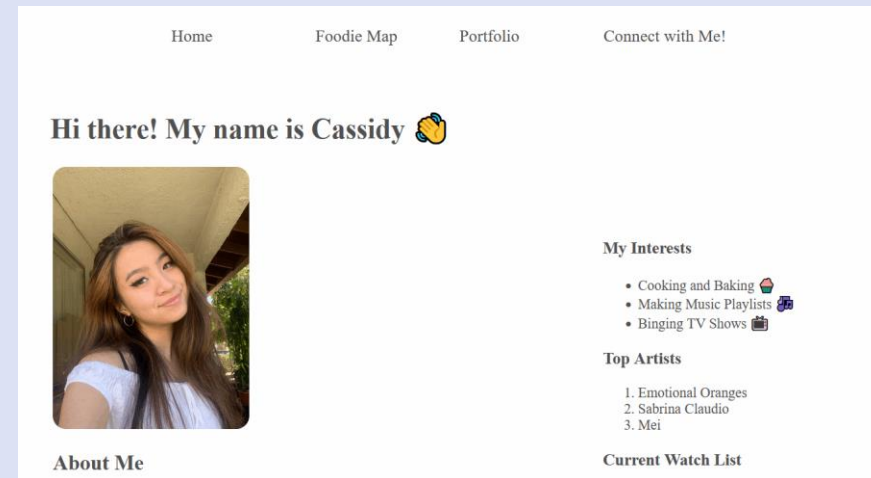
# Arceus-tra Credit Labs of the week

Sage Luong



<https://sageluong.github.io/23s-asianam-191a-labs/week1/index.html>

Cassidy Tu



<https://cassidyту.github.io/asam191a-labs/week%201/index.html>







# Lecture

## Ethical Software and Developing for Civil Society

Lecture

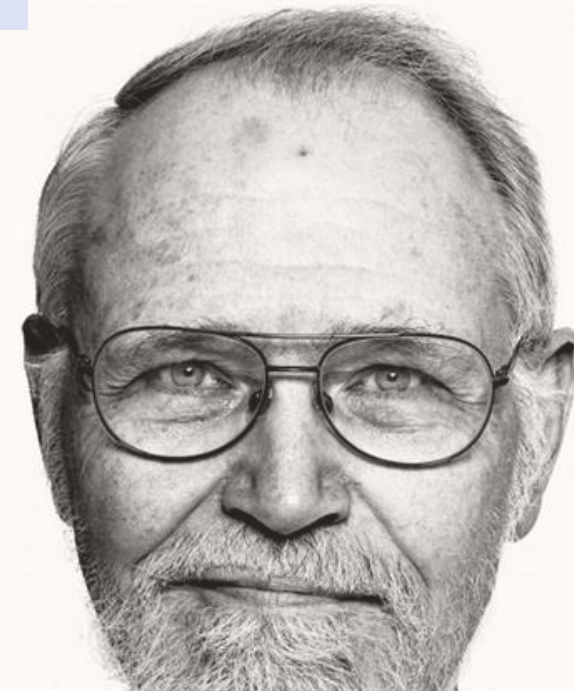
Alwards

Lecture

Discussion



# Open Source



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

# The Three Opens

- Open Source
- Open Standards
- Open Data

**Leads to....**

**A collaborative open-community**

**Is this enough?**

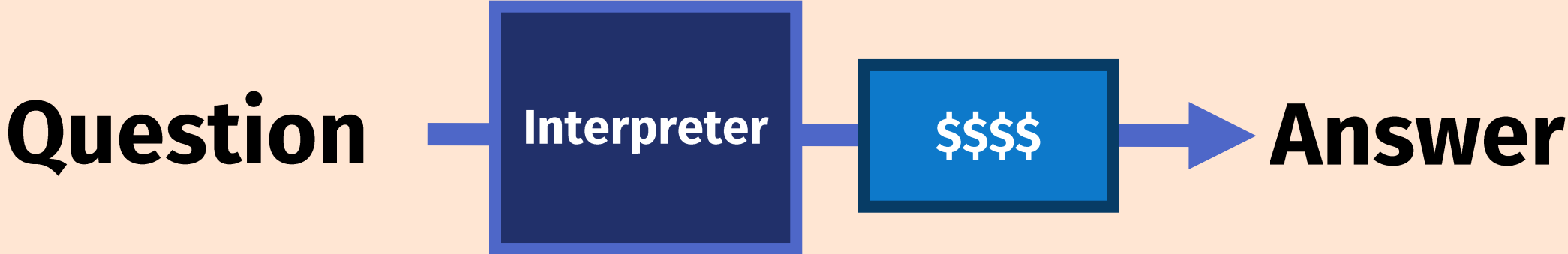
# What is programming?



↑  
\$\$\$\$\$\$\$\$



# What is programming?





# Importance of an open internet....

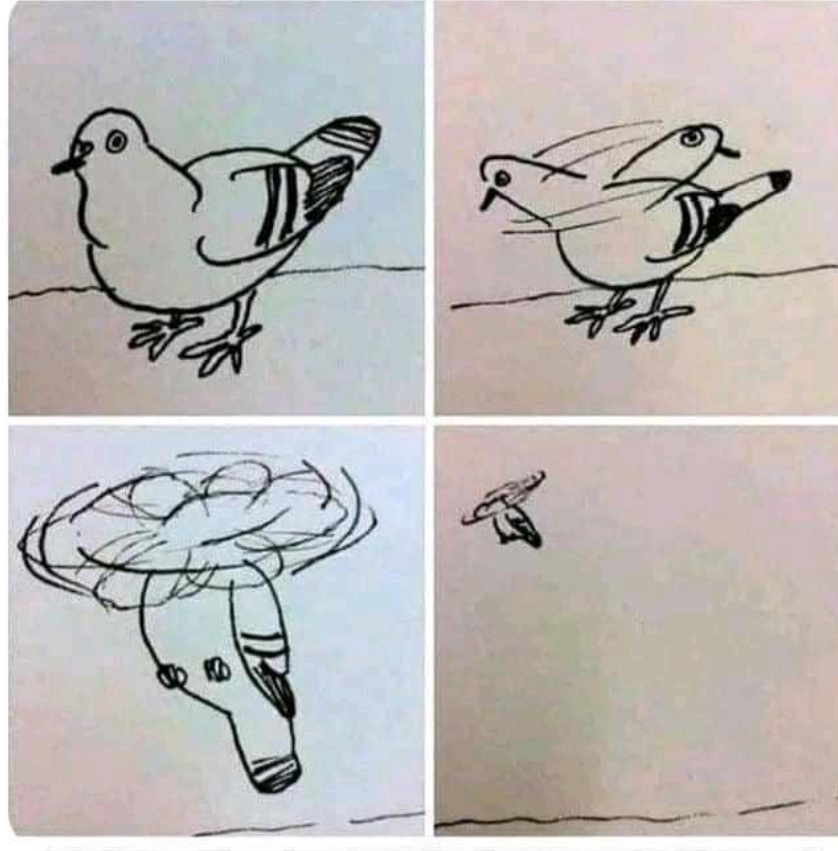


# A programmer vs. non-programmer

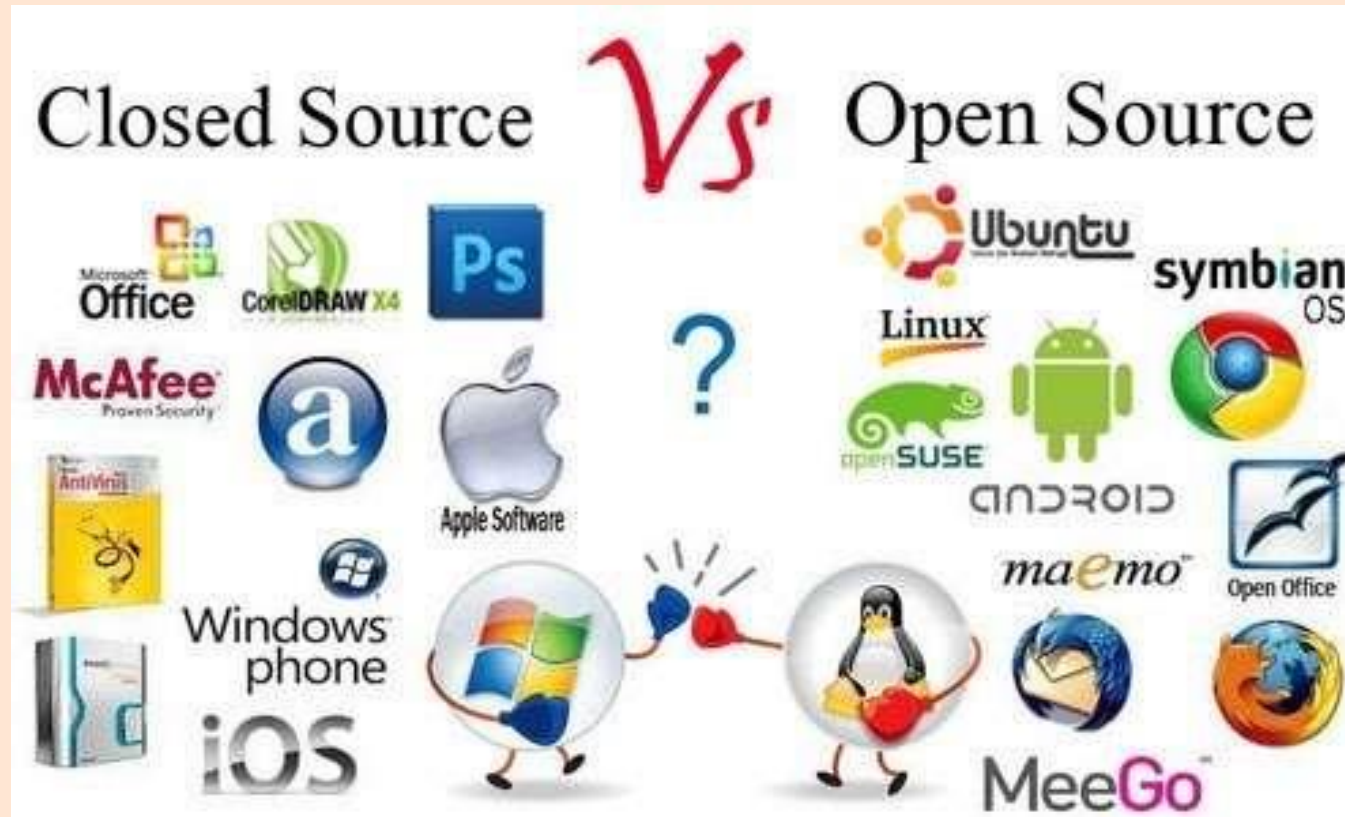


When we see code, we don't give up!

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

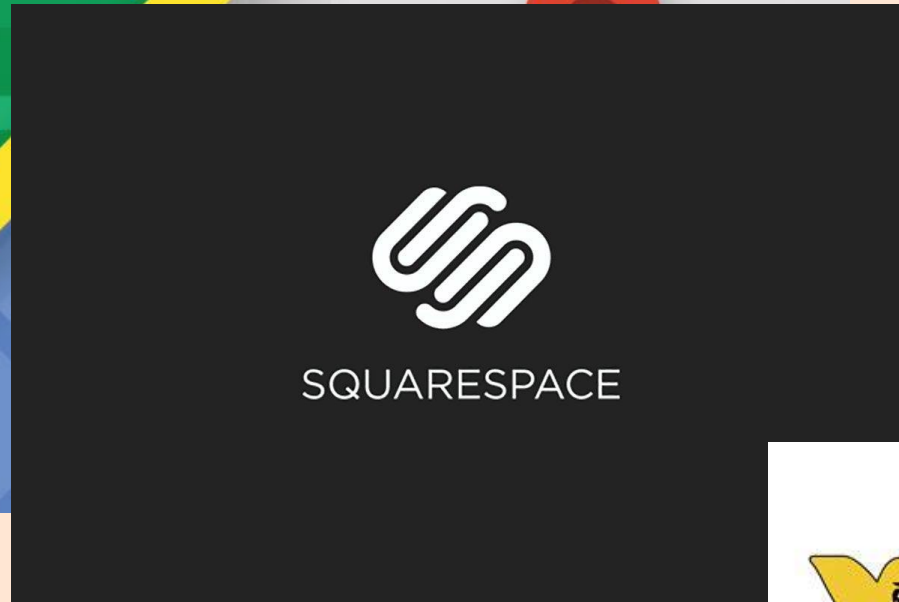


# Ethics of technology usage



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 Leaflet 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

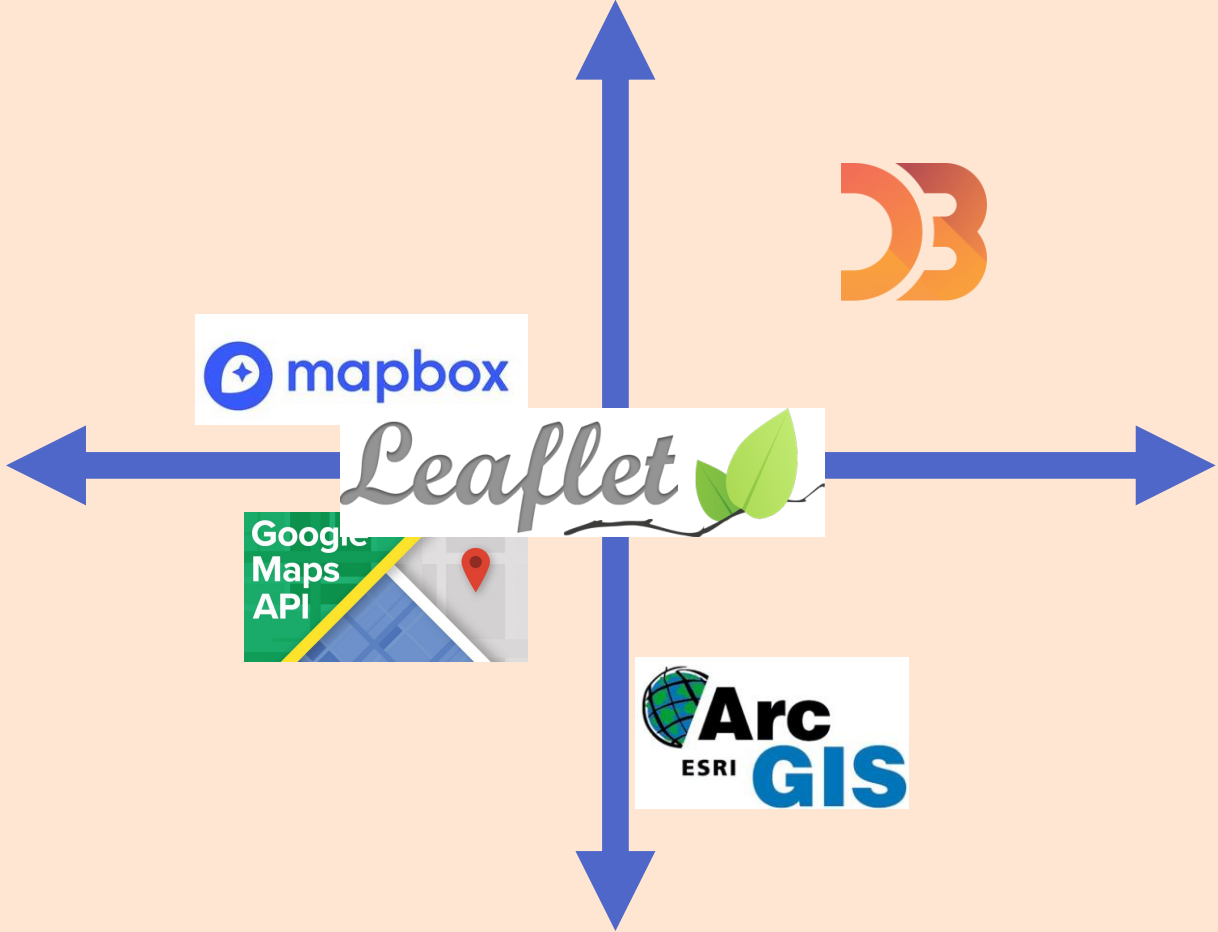
High

Low

Low

High

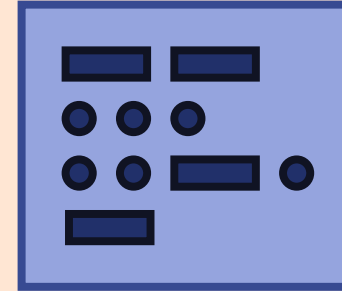
Barrier to understanding



# 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 Depreciation

Enter a location anywhere in the world drop marker here

Bishamon 毘 地図種類 View レイヤー 場所検索 About

地図上のグリッド内の平均線量率を表す。グリッドをクリックすると、グリッド内の線量率が表示されます。グリッドがない箇所は、グリッドがない等の理由により測定できない箇所です。

線量率レベル(μSv/h)

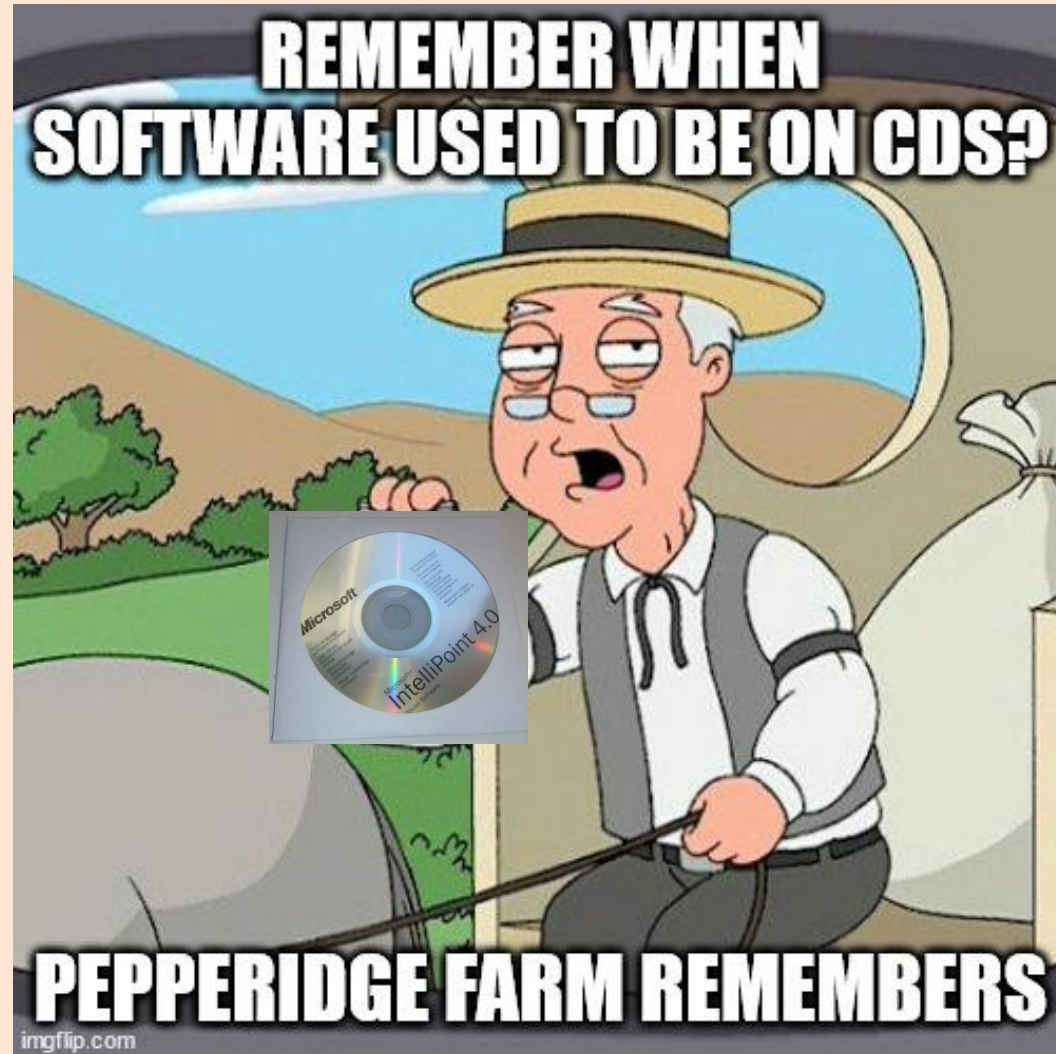
0-0.3	0.3-0.6	0.6-0.9	0.9-1.2	1.2-1.5
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Latitude, Longitude Longitude, Latitude

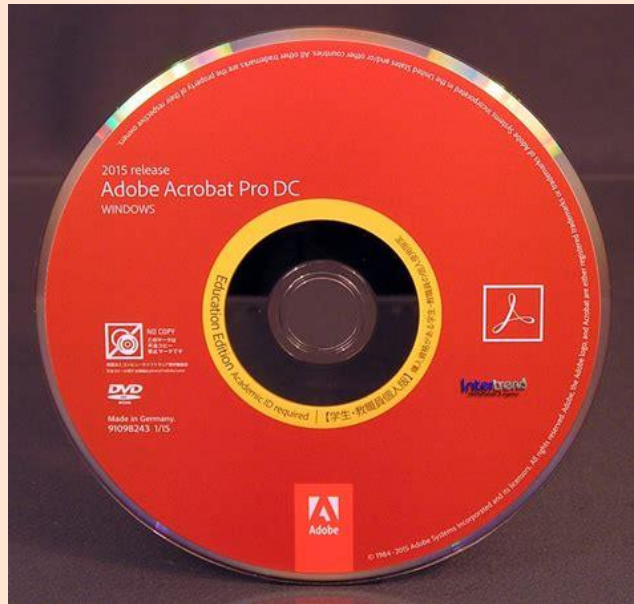
0, 0 0, 0

Keyboard shortcuts Map data ©2022 Terms of Use

























# Quick History on software....



























# Quick History on software....





 Bruce Momjian	 Joe Conway	 Alvaro Herrera
 Thomas Munro	 Tom Lane	 Andrew Dunstan
 Robert Haas	 Stephen Frost	 Peter Eisentraut
 Amit Kapila	 Peter Geoghegan	 Tomas Vondra
 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

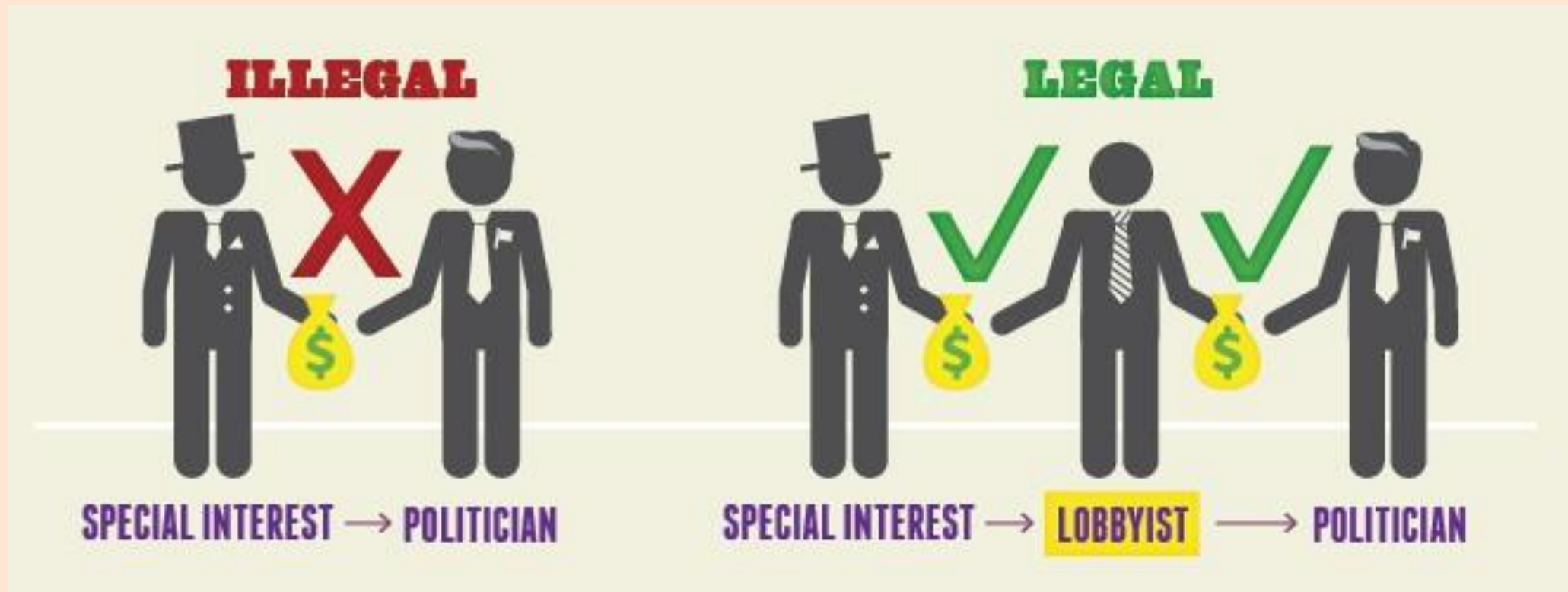
 Bruce Momjian	 Joe Conway	 Alvaro Herrera
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 Michael Paquier	 Jeff Davis	 Magnus Hagander
 Fujii Masao	Michael Meskes	 Tatsuo Ishii
 Etsuro Fujita	Noah Misch	Dean Rasheed

# Is this fair?



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

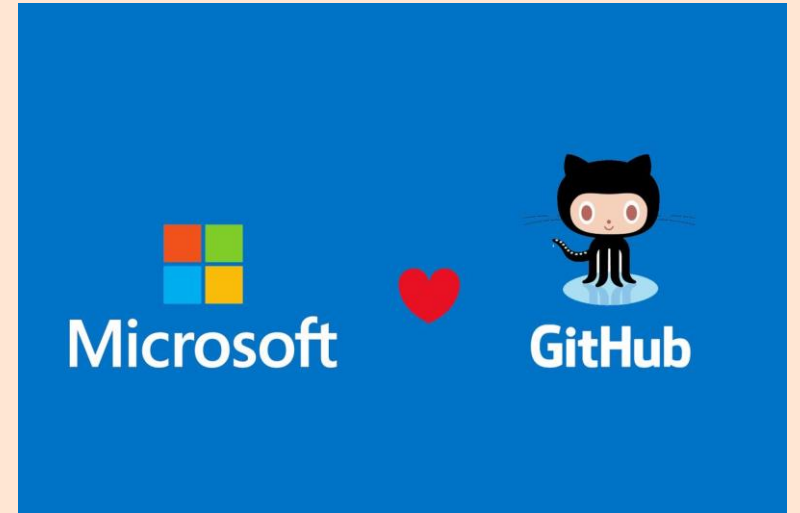
# Have coporations infiltrated open source?



# Have coporations infiltrated open source?

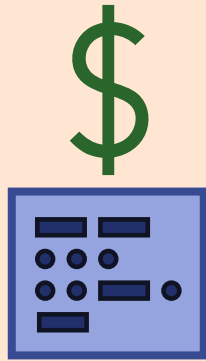


 Google Open Source

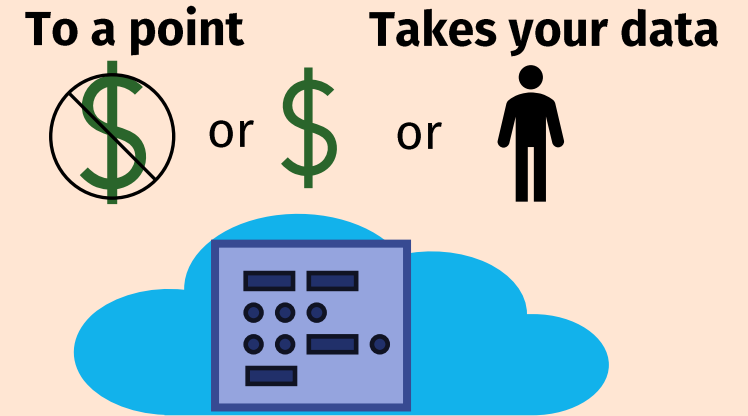


# A summary of Open vs. Close source

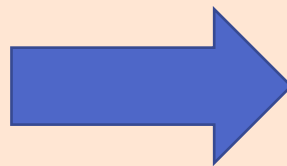
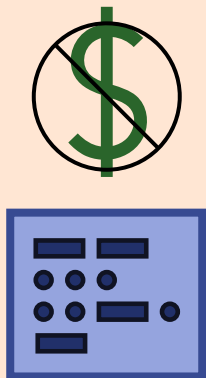
Proprietary Software



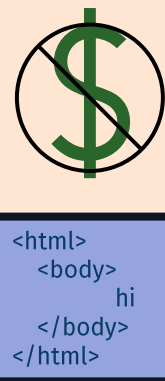
Software as a Service



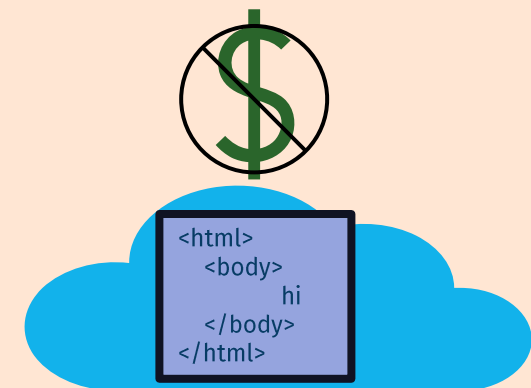
Free software



Open Source Software



Open Source Software as a Service





# **Open Source**

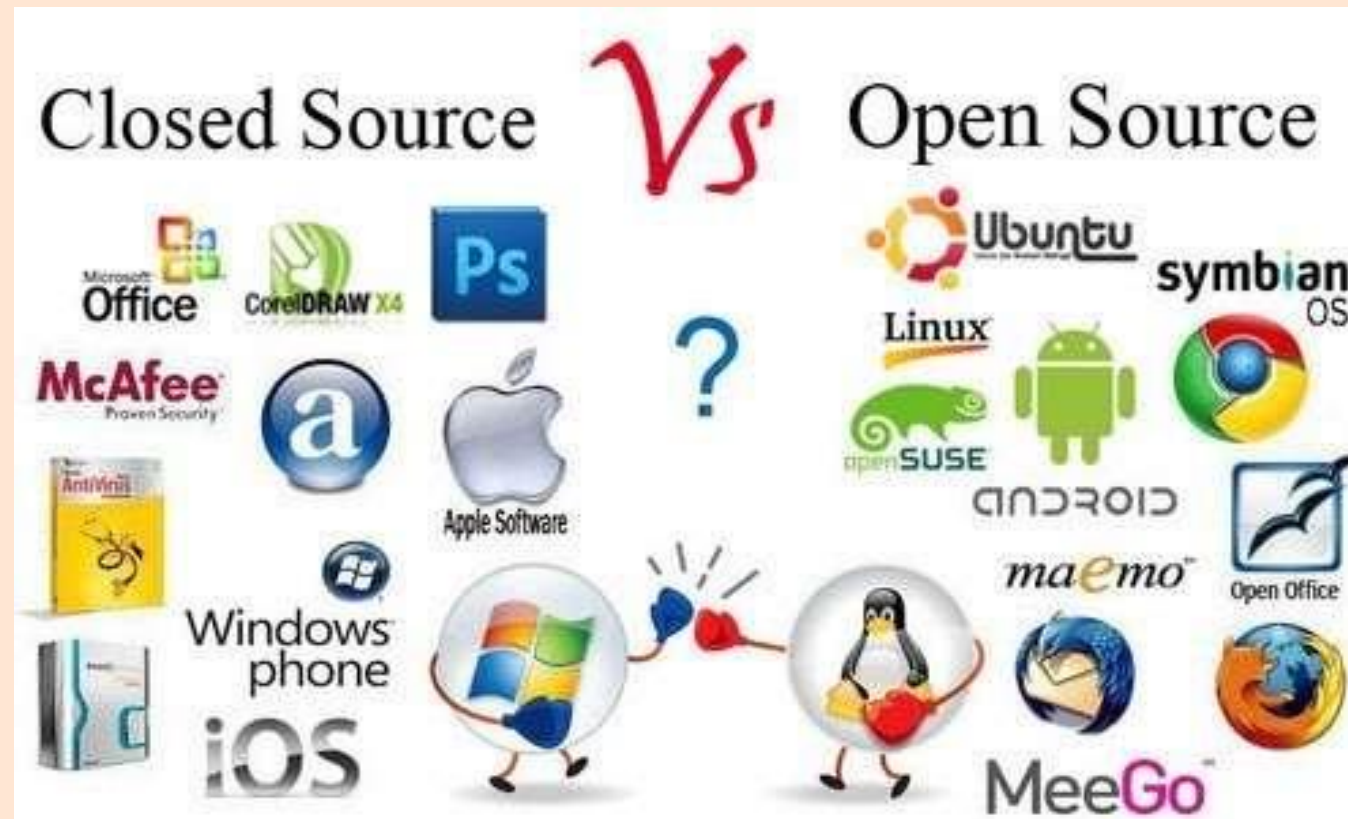
No costs and long-term application viability

**Vs.**

# **Closed Source**

Short-term costs and variable application viability

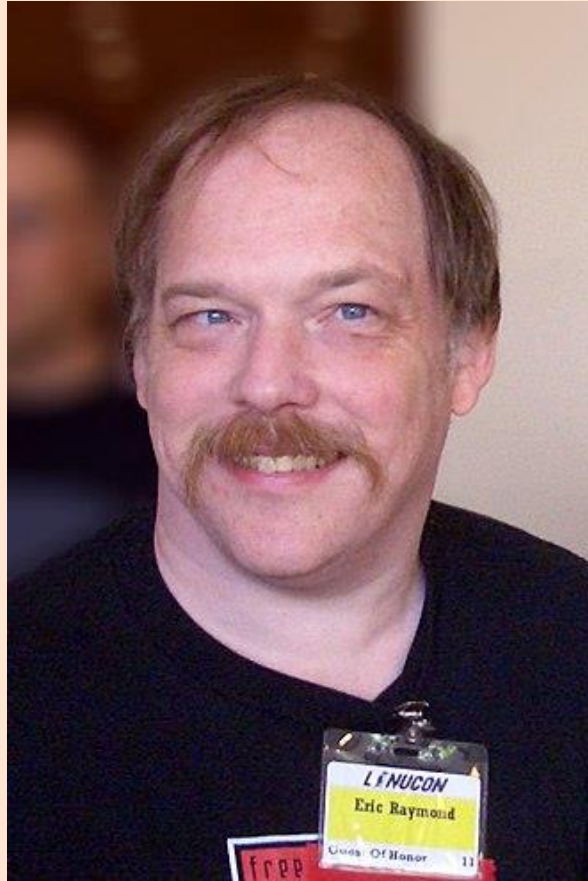
# Cost vs benefits of open source



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

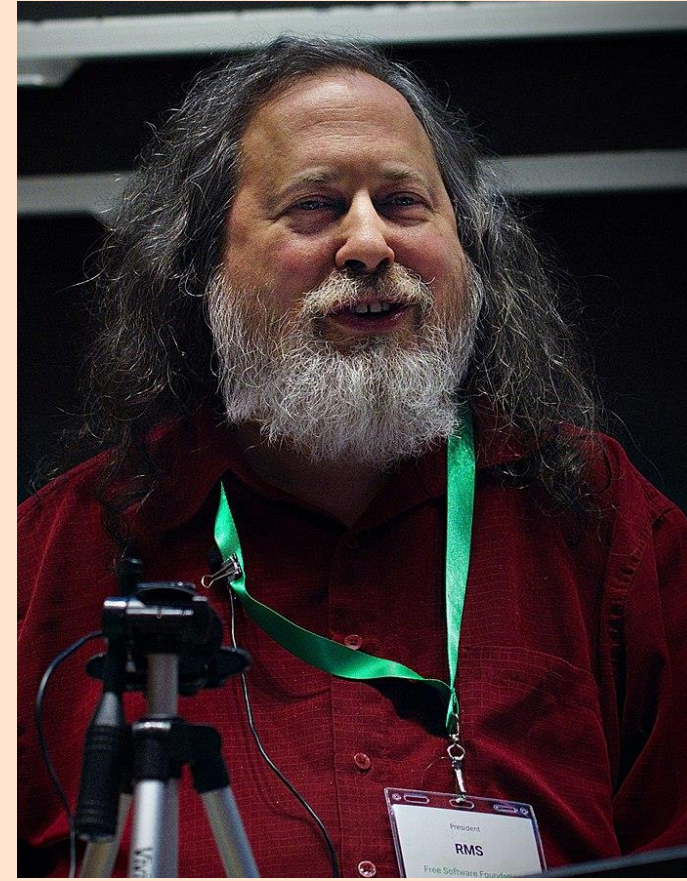
# Issues with open source...

**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

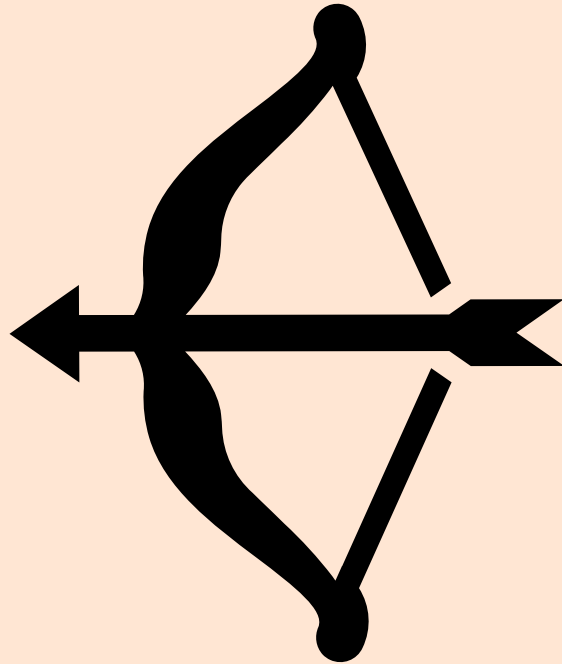


<https://www.msn.com/en-us/news/technology/return-of-stallman-to-fsf-sparks-outrage-among-open-source-and-free-software-leaders/ar-BB1eVPC8>

[http://lists.opensource.org/pipermail/license-discuss\\_lists.opensource.org/2020-February/021328.html](http://lists.opensource.org/pipermail/license-discuss_lists.opensource.org/2020-February/021328.html)

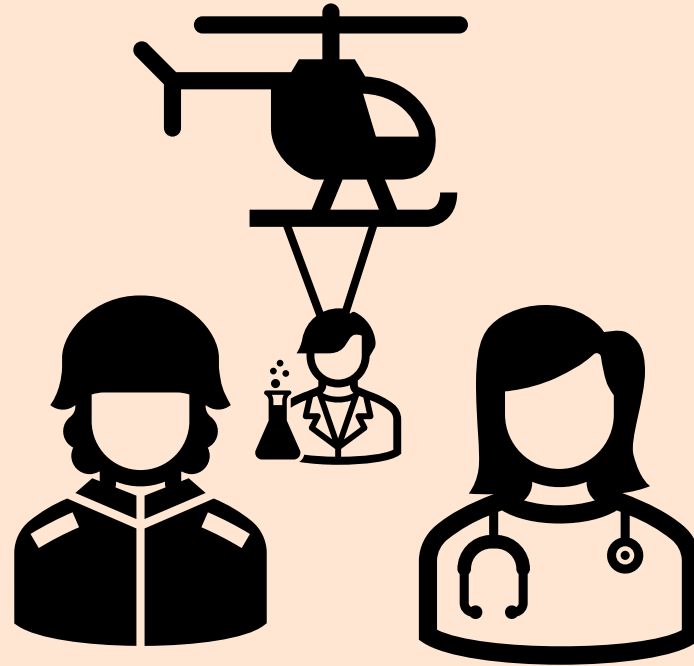
# Issues with open source:

**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!



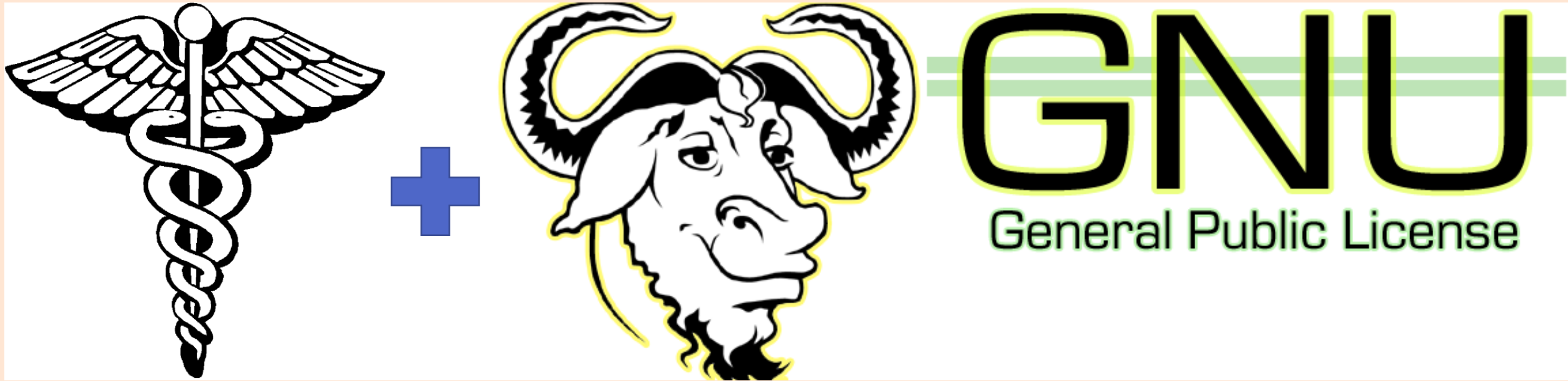
# Ethical Source Licensing



**Established in 2019**

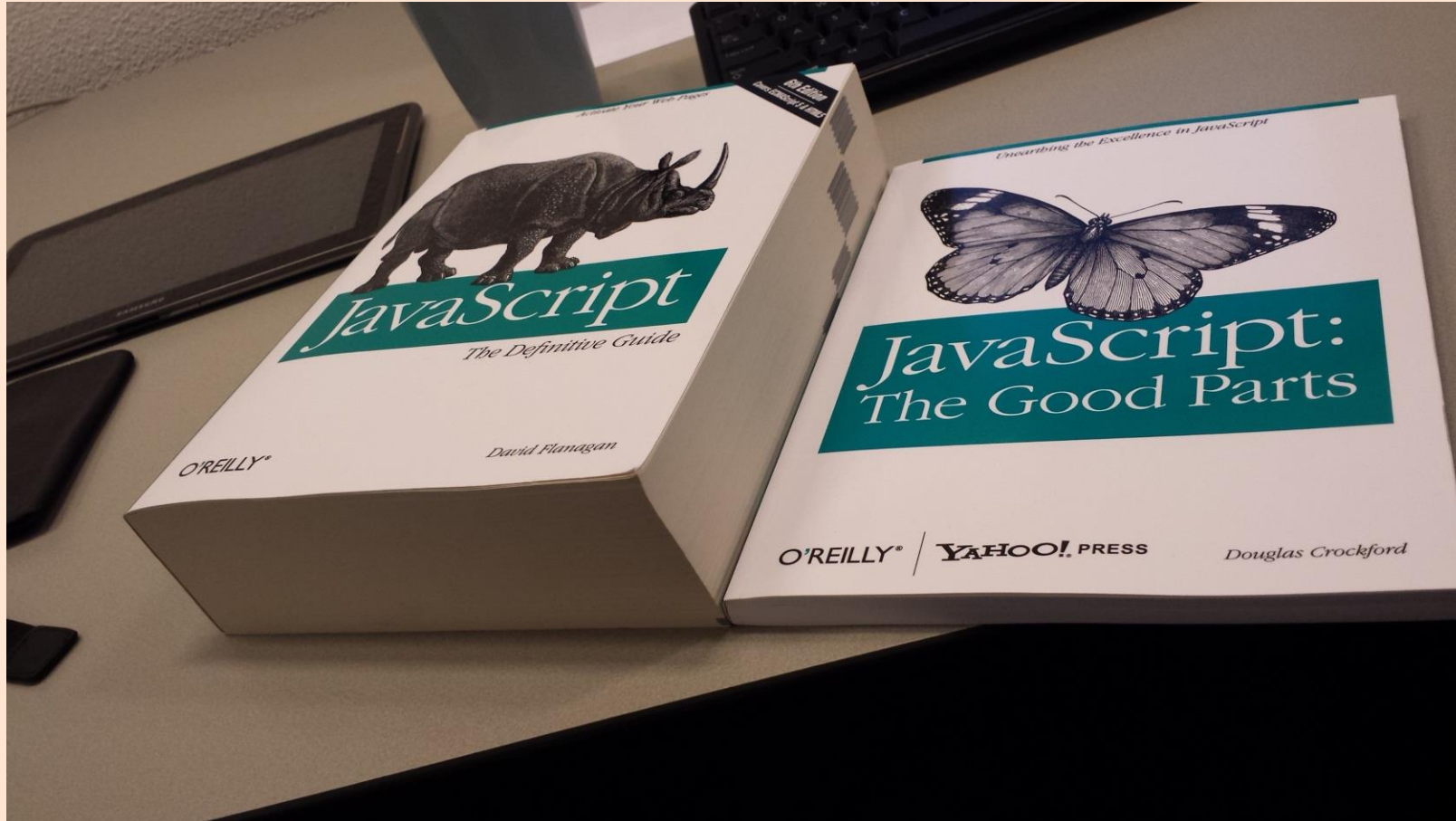
<https://ethicalsource.dev/>

# 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



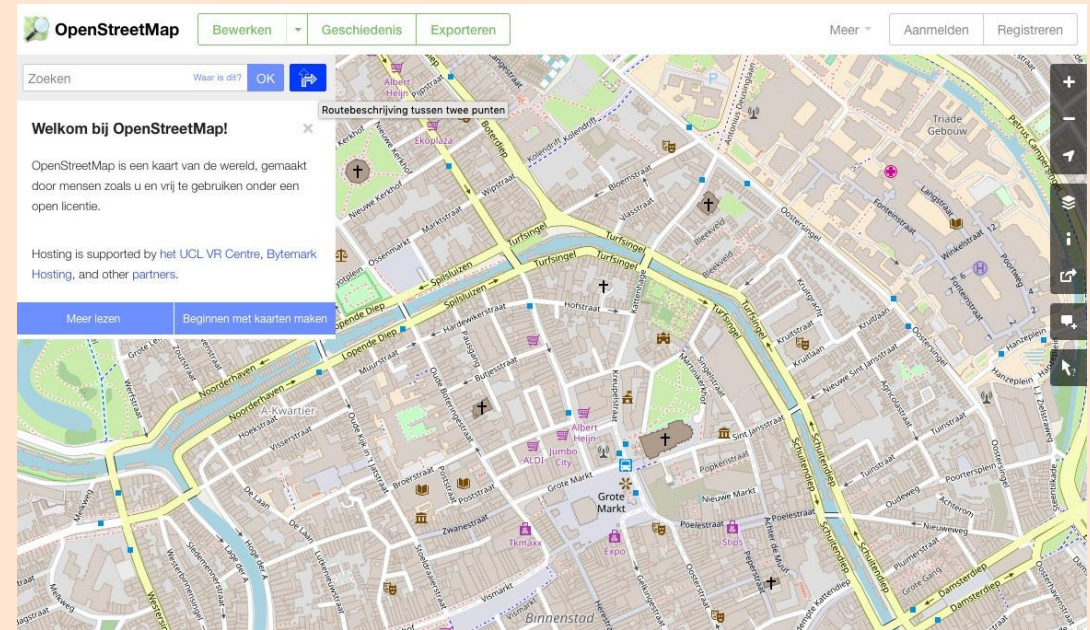
We have the ability to make web maps, but we need to think about the ethical implications of **any** technology.

# Mapping this back to maps and coding

## Google Maps



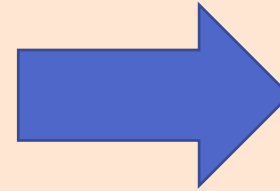
## Open Street Map



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 vs. Google Maps (again)



an open-source JavaScript library  
for mobile-friendly interactive maps

**Leaflet Control Geocoder** npm v2.2.0 Leaflet 1.0.0 ✓

A simple geocoder for [Leaflet](#) that by default uses [OSM/Nominatim](#).

The plugin supports many different data providers:

- [LatLng](#) to parse basic latitude/longitude strings
- [OSM/Nominatim](#)
- [Bing Locations API](#)
- [Google Geocoding API](#)
- [Mapbox Geocoding](#)
- [MapQuest Geocoding API](#)
- [What3Words](#)
- [Photon](#)
- [Pelias](#), [geocode.earth](#) (formerly Mapzen Search), [Openrouteservice](#)
- [HERE Geocoder API \(legacy\)](#)
- [Neutrino API](#)

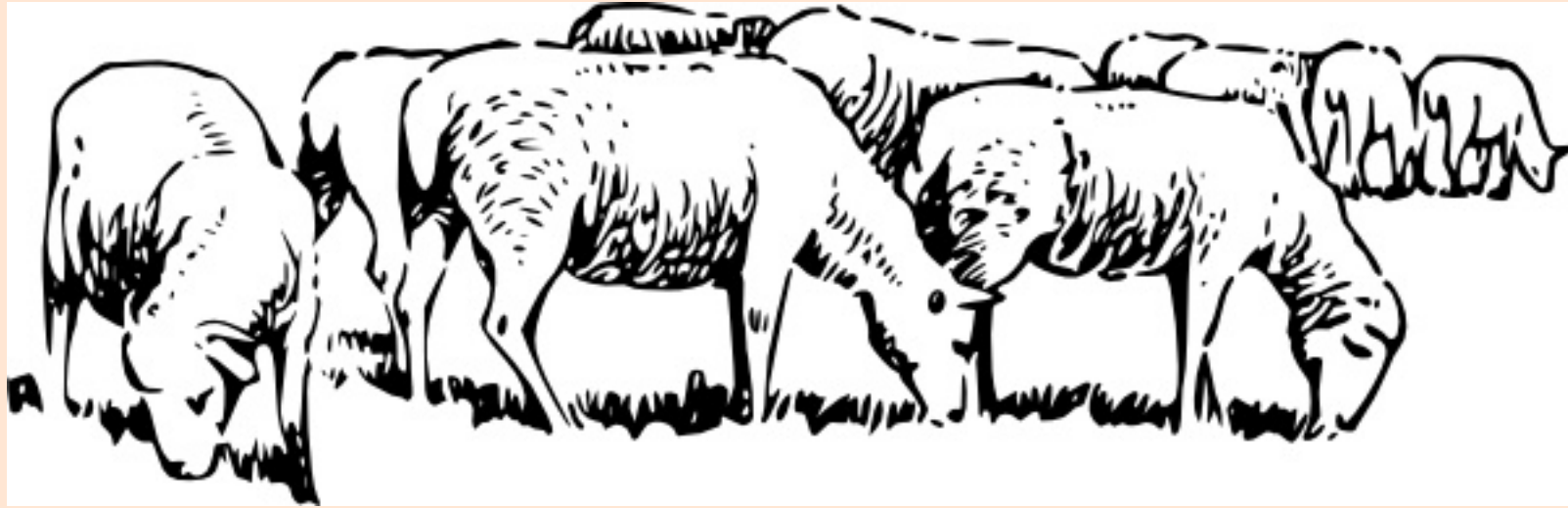
## Google Maps Platform APIs by Platform 🔖

MAPS	ROUTES	PLACES
▼ <b>Static Maps</b> Display maps as images		<b>FREE</b> FOR MOBILE   <b>\$2</b> PER 1000 REQUESTS
▼ <b>Dynamic Maps</b> Display interactive, customizable maps		<b>FREE</b> FOR MOBILE   <b>\$7</b> PER 1000 REQUESTS
▼ <b>Local Context Map (Beta)</b> Provide detailed information on nearby places directly on your maps - including user ratings, reviews, photos, pricing, ETA and walking directions		<b>FREE</b> DURING BETA   Requires enabling Dynamic Maps - \$7 CPM
▼ <b>Static Street View</b> Display a non-interactive Google Street View 360 panoramic or thumbnail image		<b>\$7</b> PER 1000 REQUESTS
▼ <b>Dynamic Street View</b> Display an interactive Google Street View 360 panoramic or thumbnail image		<b>\$14</b> PER 1000 REQUESTS



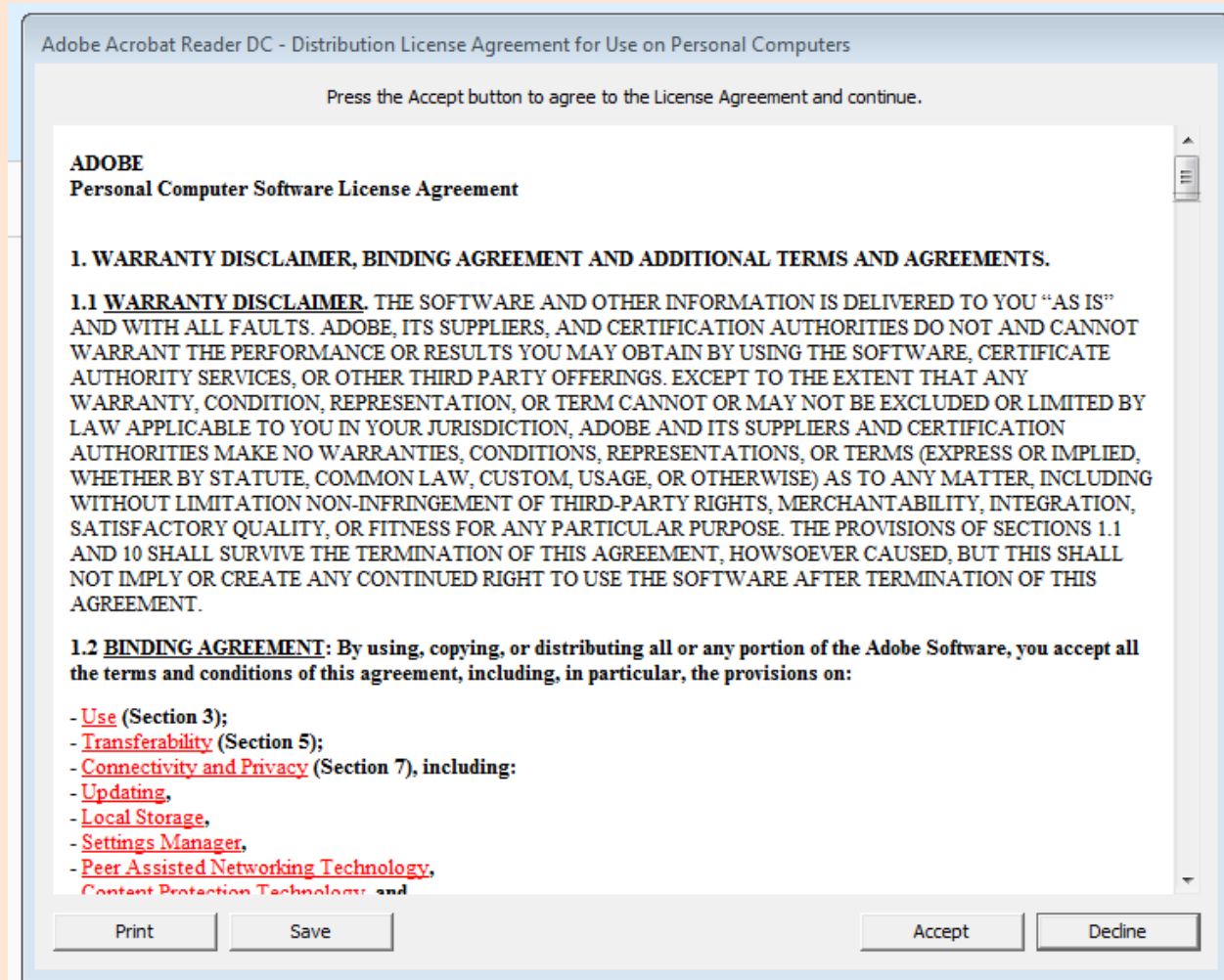


# Public data is now the commodity



Governments use 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

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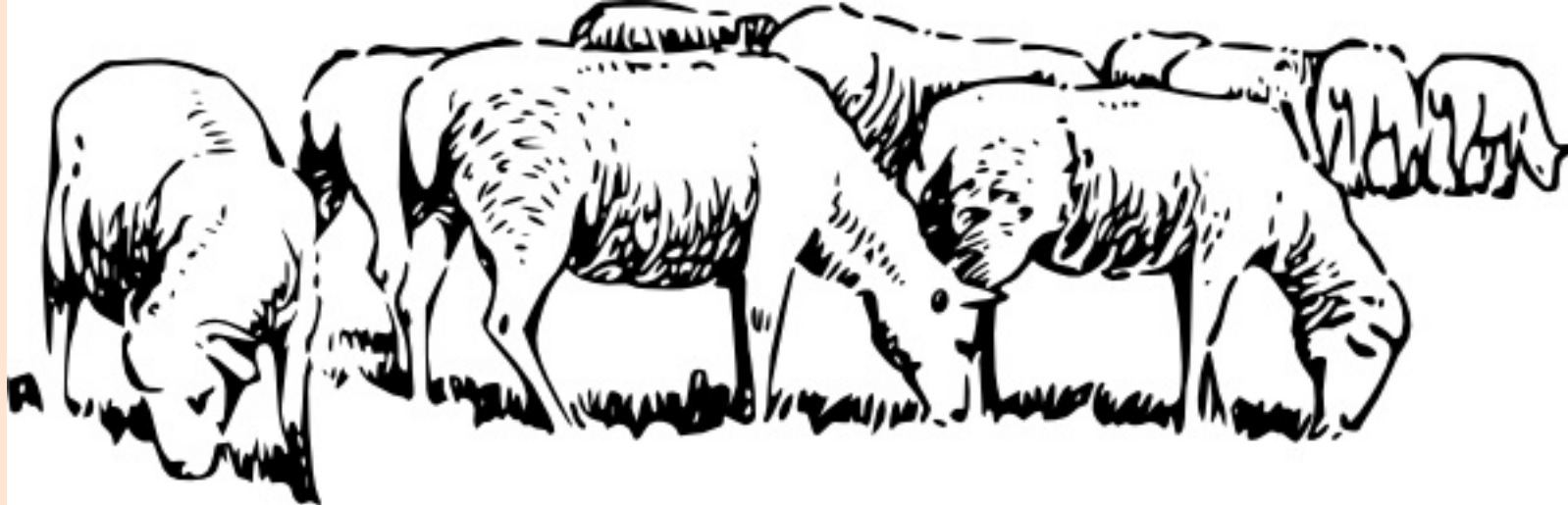
THIS LEGAL AGREEMENT BETWEEN YOU AND APPLE GOVERNS YOUR USE OF THE iCloud PRODUCT, SOFTWARE, SERVICES, AND WEBSITES (COLLECTIVELY REFERRED TO AS THE "SERVICE"). IT IS IMPORTANT THAT YOU READ AND UNDERSTAND THE FOLLOWING TERMS. BY CLICKING "AGREE," YOU ARE AGREEING THAT THESE TERMS WILL APPLY IF YOU CHOOSE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



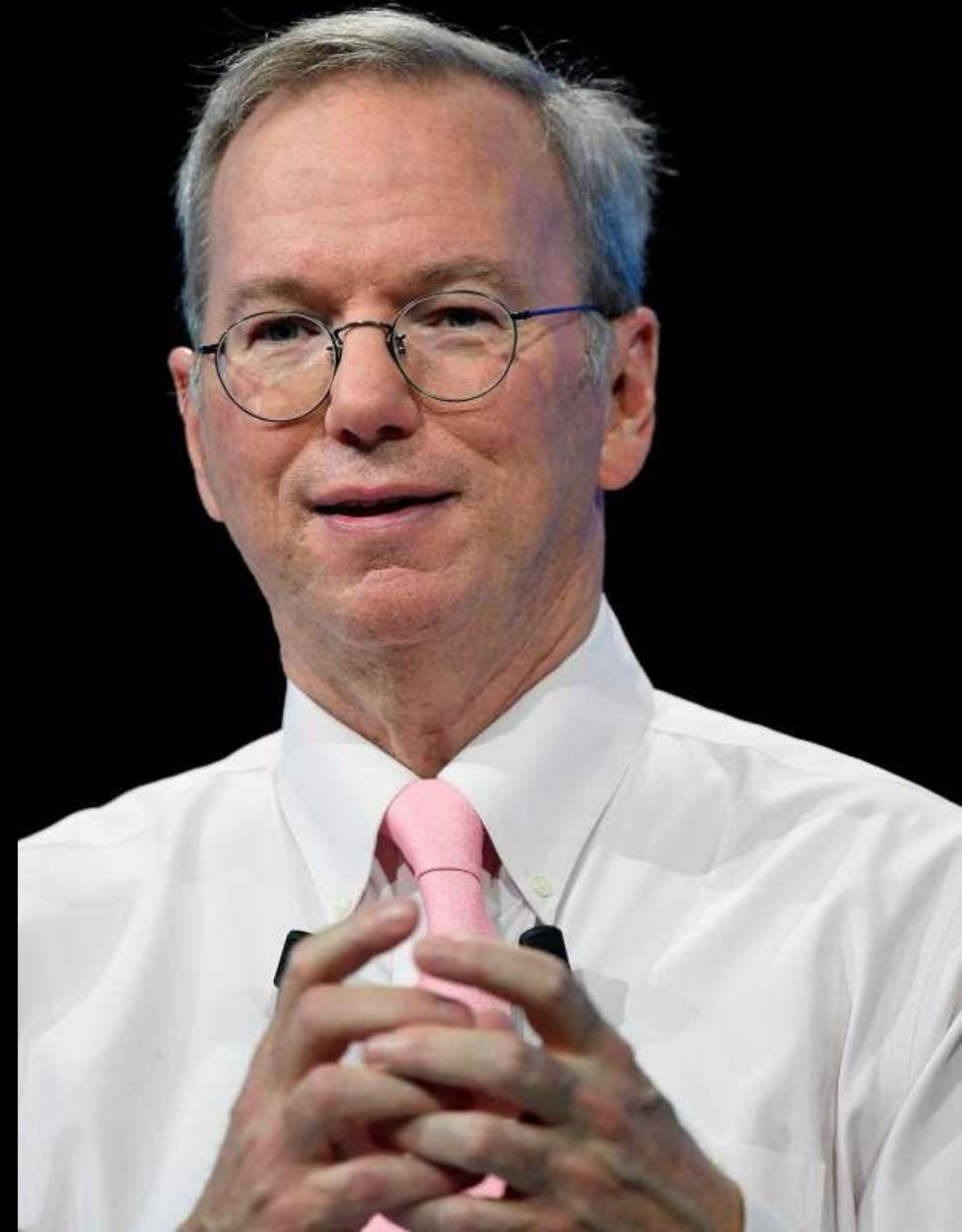
Your location data and patterns in exchange for... fun?

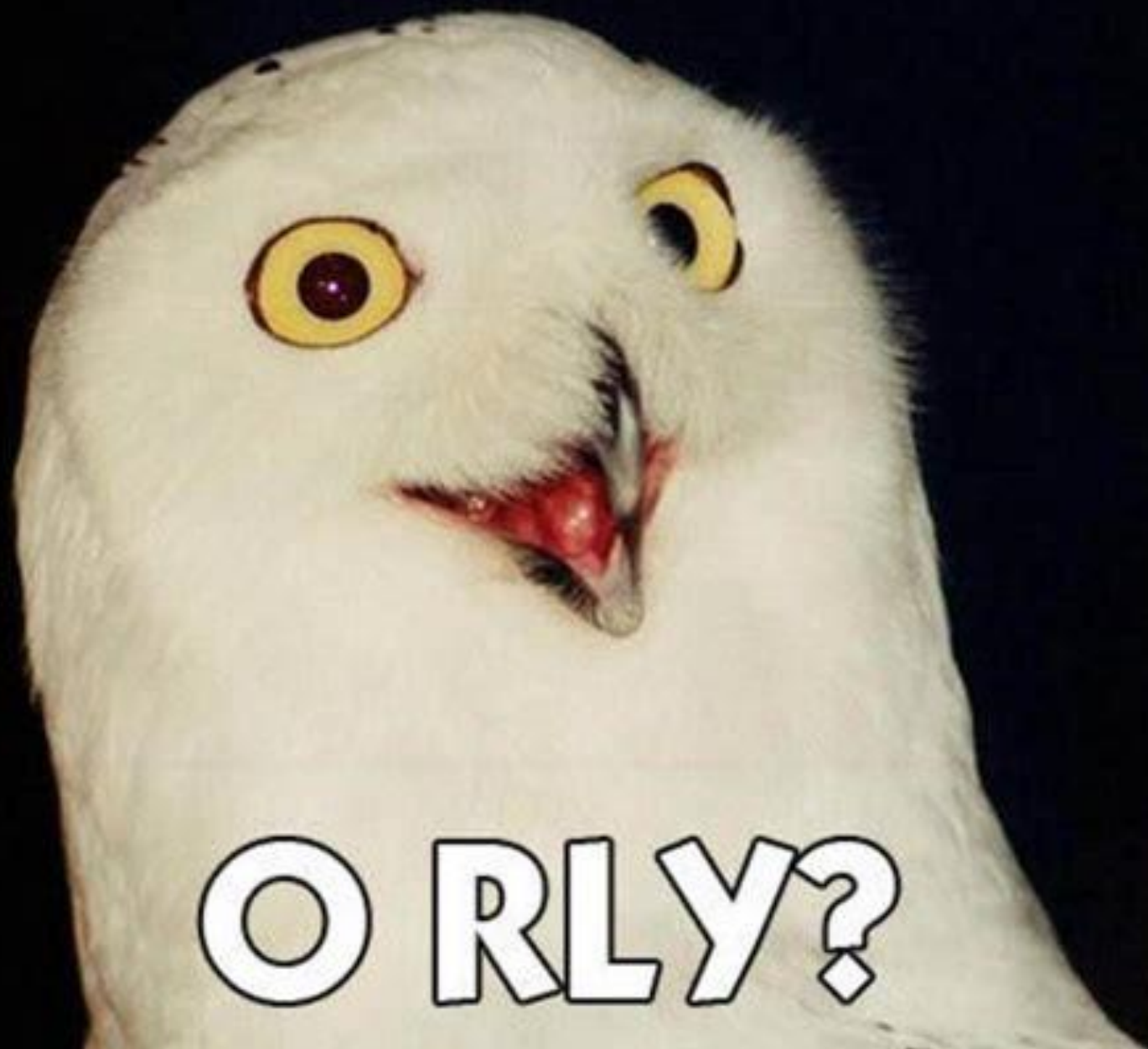


# Google

“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





© 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



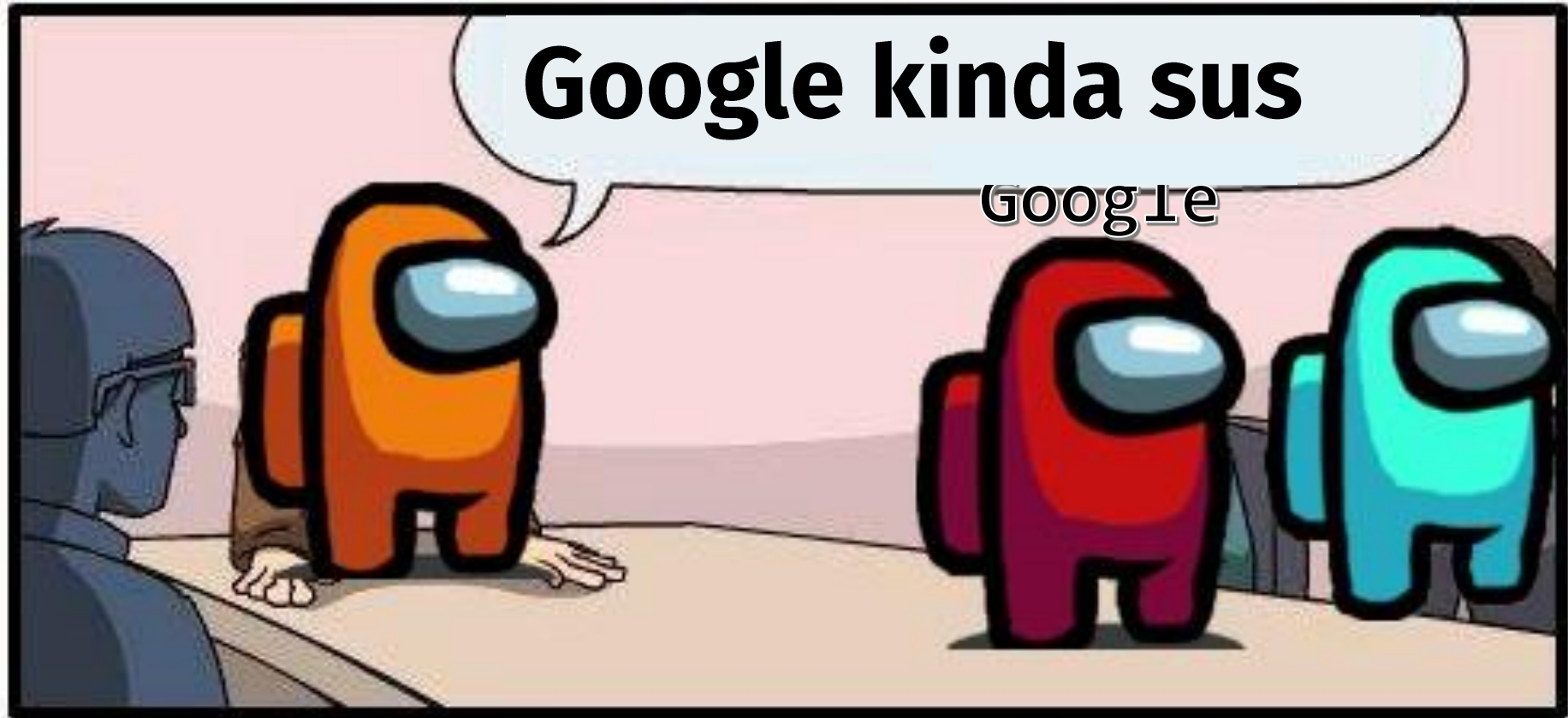
1/1

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>

# How important are Ads to Google?







# THE TERM PAPER

You can skip to  
video in 5



Ad · 0:43  [grammarly.com](https://www.grammarly.com) 

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



/ 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/](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/](https://www.theregister.com/2022/09/08/ad_blockers_chrome_manifest_v3/)



# 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

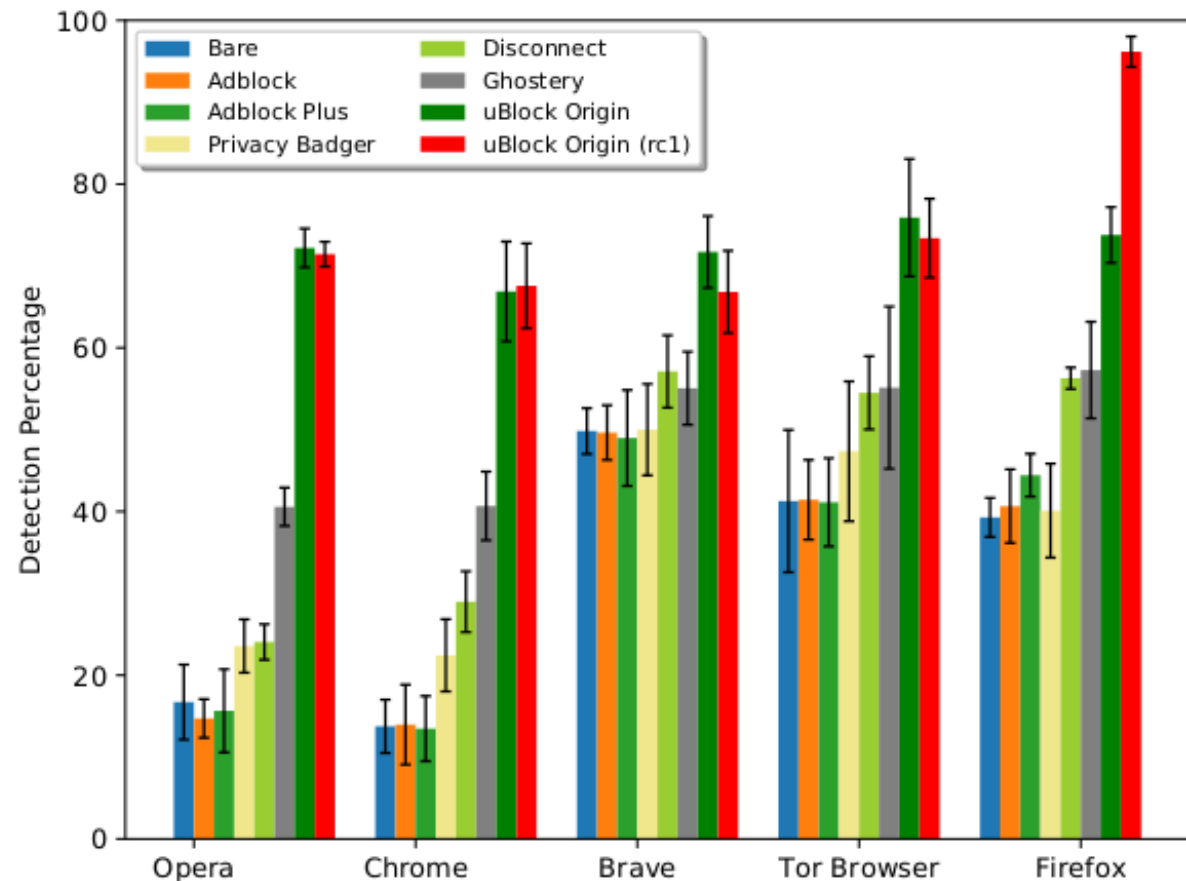
This document explains why uBO works best in Firefox.

### 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>

# 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?

# 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)



# 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

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Wrap-up

Lecture

Wrap-up

Group Time

# Thinking Cap for the week:

**How are closed source tools harmful for civil society? What about open source tools? Where do you think Artificial Intelligence (AI) fits into this?**

# Assignments

**Due Thursday 4/20:**

- 1. Lab Assignment #2**
- 2. (Optional) Pre-Lab reading**

# **Extra Credit Reminders**

**Due Thursday 4/27:**

- 1. UCLA vs USC Mapathon that starts today!**
- 2. Extra Thinking Cap**



# Group Time

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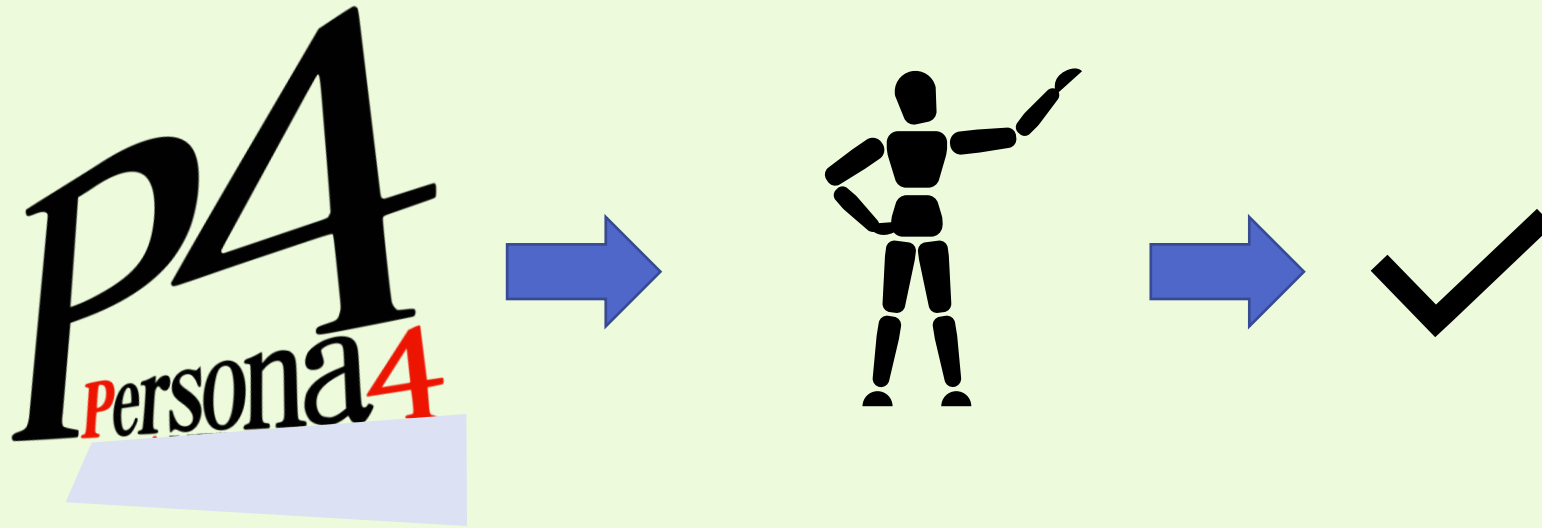
Memos!

Lecture

Wrap up

Group Time

# Memo: Revisiting User Stories



# **Memo: Revisiting User Stories**

Broad goals your users should be able to use your website for.

# Memo: Revisiting User Stories

Home Mapping Hate Crimes in the US #OneHateCrimesTooMany SEE COVID HATE INCIDENTS REPORT INCIDENT ABOUT

**Hate Crimes in the US** ?

Number of Hate Crimes

Category	Number of Hate Crimes
Race/Ethnicity	700
Religion	500
Gender/Sexuality	250
Miscellaneous	250

View only incidents that have been published

Leaflet | © OpenStreetMap contributors

This map is maintained by the UCLA American Indian Studies Center under the Institute of American Cultures. To contact us, email [aisc@ucla.edu](mailto:aisc@ucla.edu).

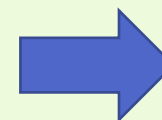
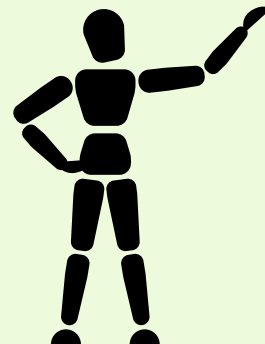
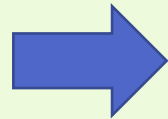
# Memo: Revisiting User Stories

As a person who **faced a hate crime**

I want to **report** my incident without fear from authorities

So that people can **hear my story** and take action to prevent more from occurring

**P4**  
Persona**4**



# Memo: Revisiting User Stories

The screenshot shows a news article on the UCLA Newsroom website. The header includes the UCLA logo and the word "Newsroom". Navigation links for "Categories", "For news media", and a search icon are visible. A yellow tag reads "NATION, WORLD + SOCIETY". The main headline is "Interactive map will crowdsource hate crime reports", with a sub-headline stating "Resource created by UCLA American Indian Studies Center could fill gap created by inconsistent data nationwide". Below the text is a dark blue navigation bar with a home icon, the title "Mapping Hate Crimes in the US", and links for "SEE COVID HATE CRIMES", "REPORT INCIDENT", and "ABOUT". The main content area features a map of the United States with a legend titled "Hate Crimes in the US" and a color key for "Number of Hate Crimes". A zoom control with "+" and "-" buttons is on the left, and a scale bar with the number "700" is at the bottom.

<https://newsroom.ucla.edu/releases/hate-crime-map>





# Group Time

- **Meet with your group to discuss:**
  - **General project idea**
  - **Potential user stories**
- **Present to the class:**
  - **Elevator pitch**
  - **Optional: Share with us 2 user stories**
- **If **all your group members** are **missing** join up with other students with missing members to discuss your project!**

# Group Assignment #2

## Memo

- Background on the social issue/campaign
- Goals
- Community/organization description
- At least 2 user stories
- 3 Ideas of questions to be included on the survey
- Future plans

**2 pages MAX!!!!**