Connecting the dots of technology and ethics

Society, Technology, and Ethics

Visiting Voice

Lecture

Group Time

Join at
slido.com
#ucla

Albert Kochaphum
Lecture 3 | July 8th, 2024

Active poll

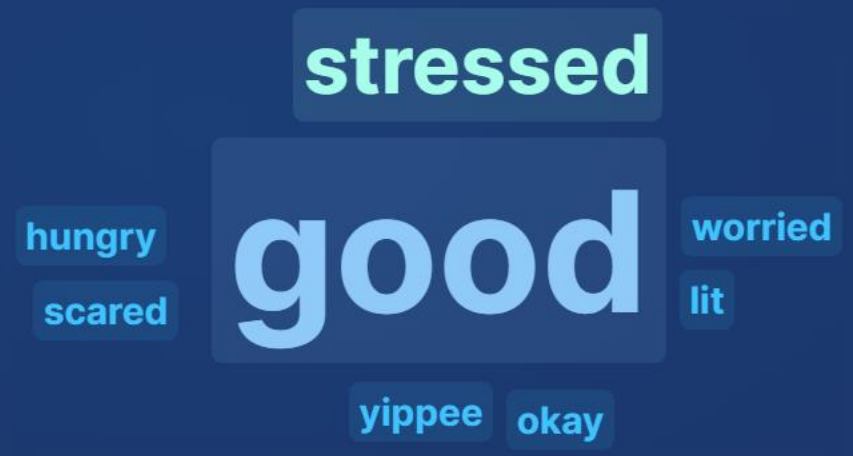
12

Join at

slido.com

#ucla

Week 3! Three end is near! How are you feeling?



Active poll

12

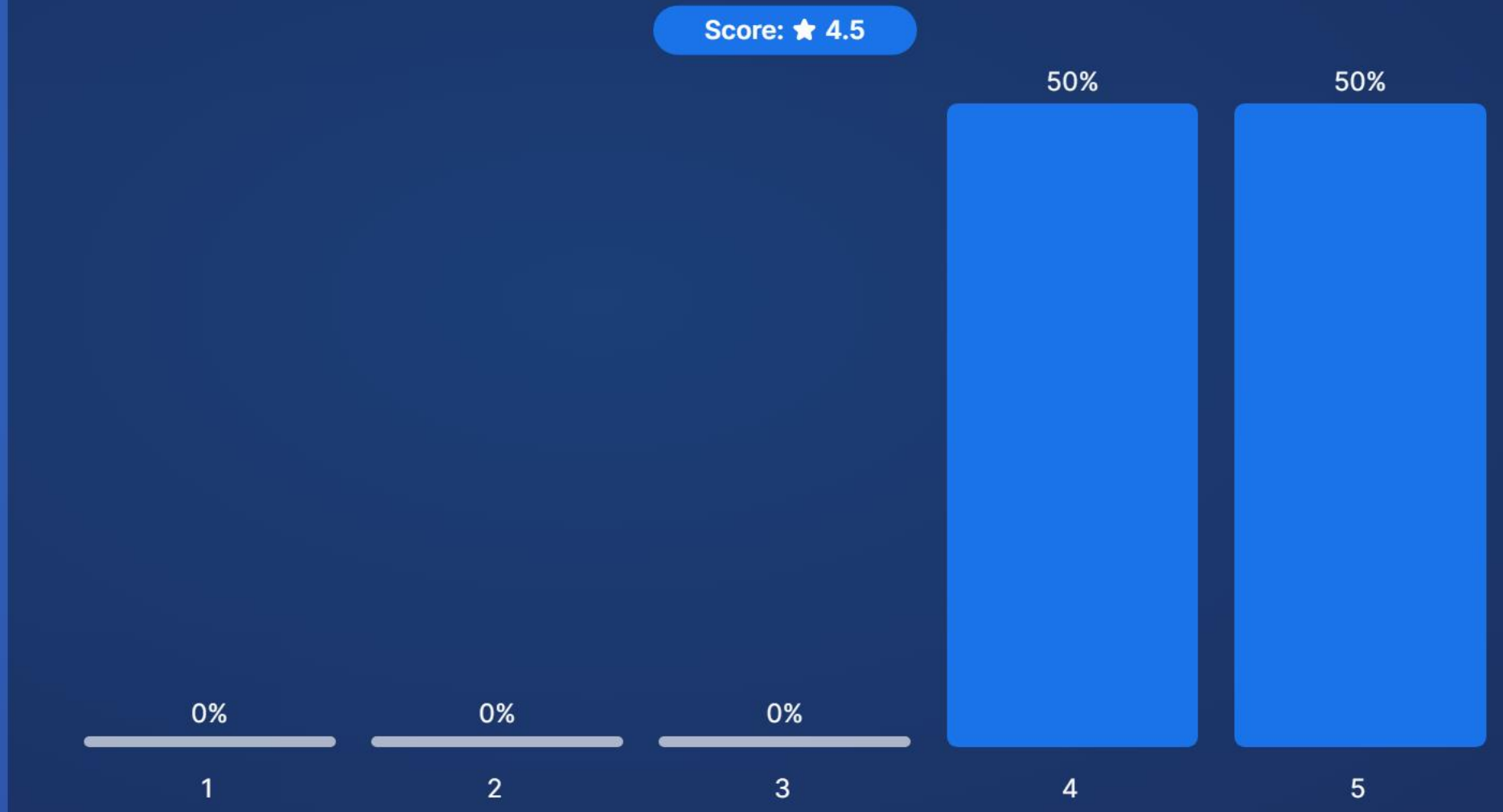
Join at

slido.com

#ucla

How would you rate the "Participatory Mapping" reading?

1 - Not meaningful 5 - Extremely meaningful



Active poll

12

Join at

slido.com

#ucla

How was the work load last week?

Just right

100%

Too much

0%

Too little

0%

Active poll

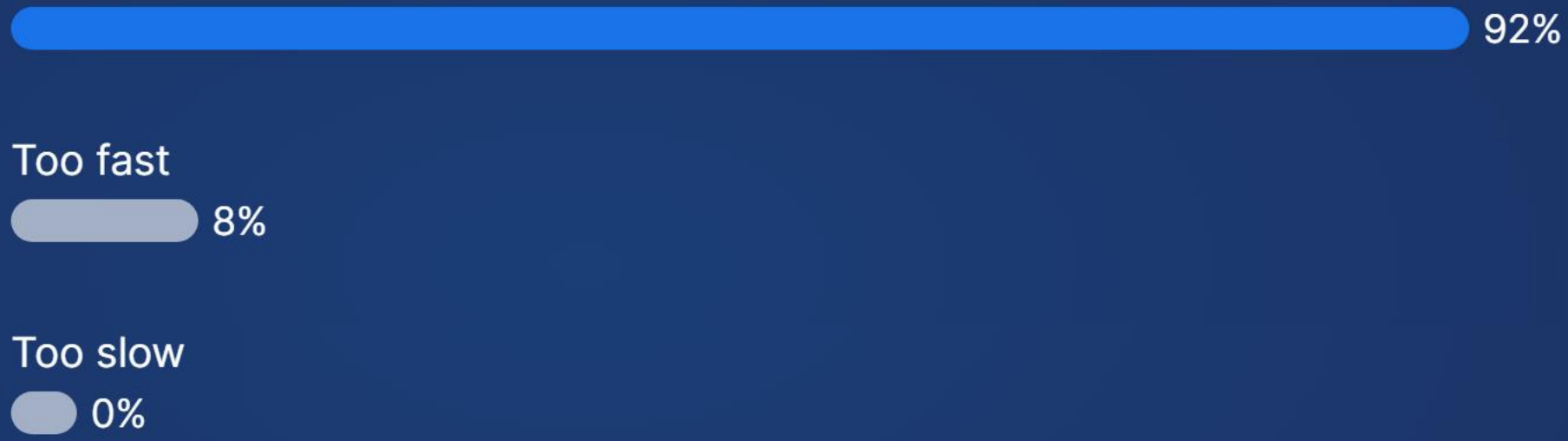
12

Join at

slido.com

#ucla

How was pacing for last week's lab?



Active poll

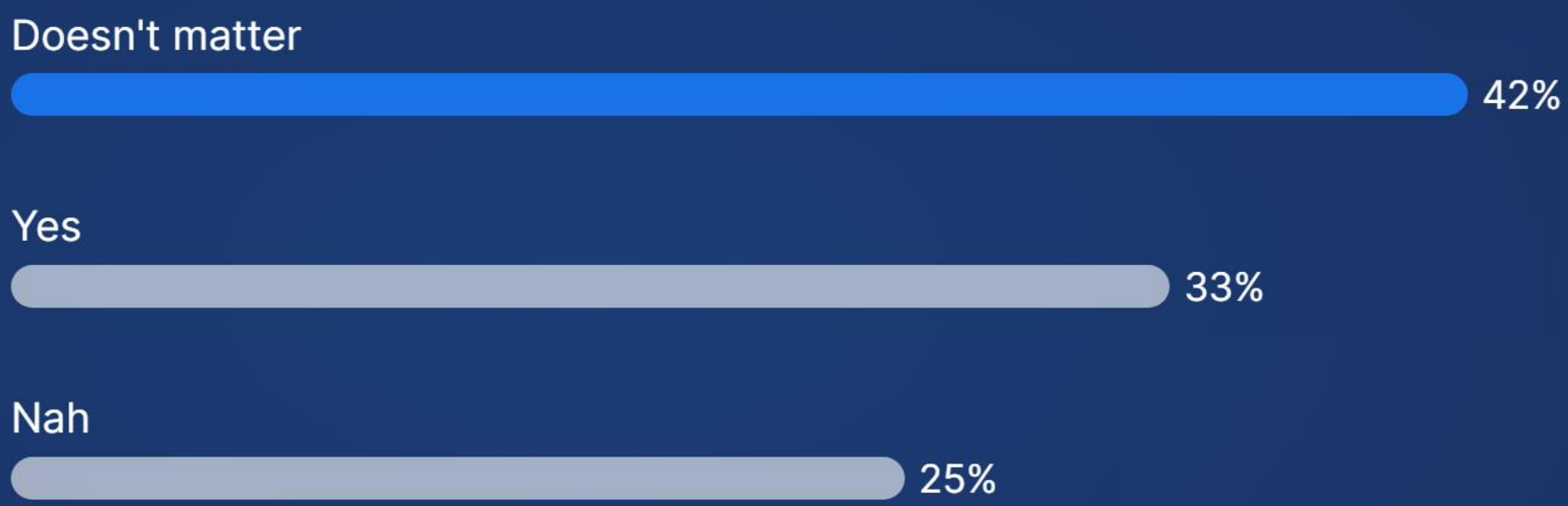
12

Join at

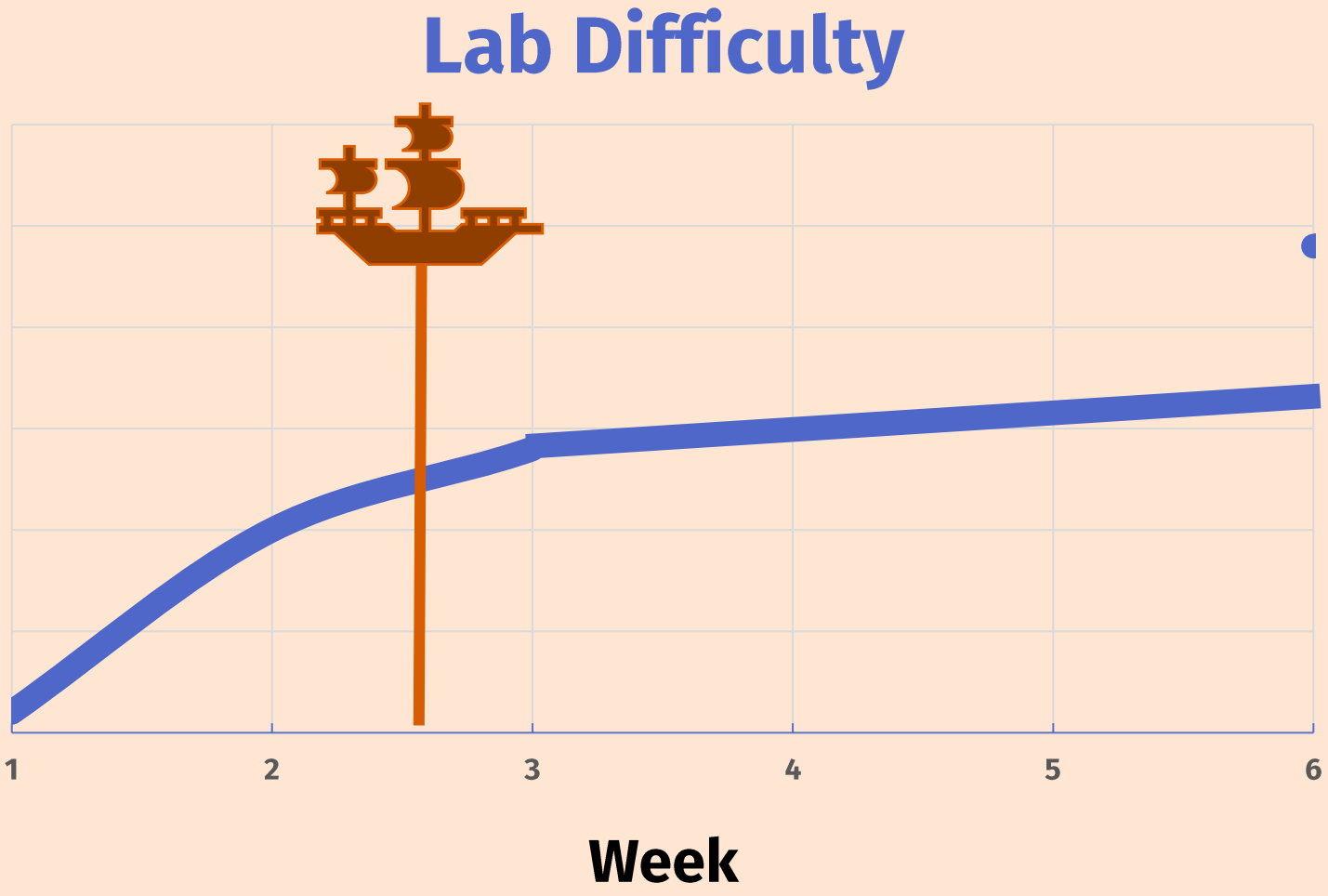
slido.com

#ucla

Would you like a full lecture on the pros and cons of open source (instead of a mini-one)?



Lab difficulty will start to plateau



Theme of the week

The societal impacts of technology

Yoh Kawano

Visiting Voice

Visiting Voice

Lecture

Group Time

A long time ago in a (UCLA building) not too far away

SAVE US FROM NON-COMMUNITY FOCUSED GROUP PROJECTS.....

YOU ARE OUR ONLY HOPE YOHDA KAWANOBI

YOH(DA) KAWANO

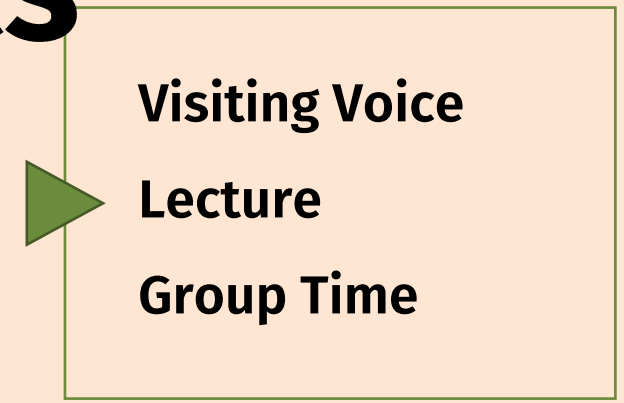
adidas

Visiting Voice: Yoh Kawano

Yoh Kawano is a digital humanist, former Lead Computation Scientist at UCLA's Institute for Digital Research and Technology, and associate professor at Reitaku University Japan (Japanese). His community empowerment is on narratives in Japan's Fukushima prefecture following the 2011 Tsunami.

Connecting the dots of technology and ethics

Lecture



Lecture

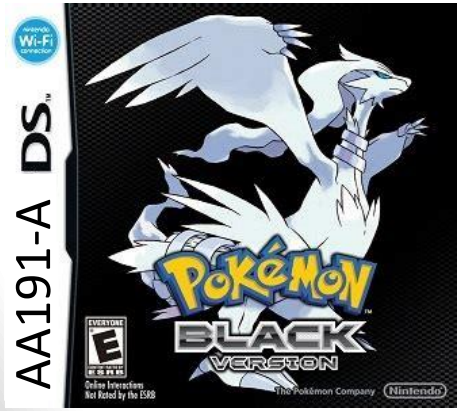
Alwards

Poké-xtra Credit-mon Version:

Amazing Labs we must BLACK-NOWLEDGE

and

Thinking Caps to WHITE home about!



Oshawott- a way to hand power back to local people!

Gia Kim

"Participatory and critical cartography can be improved through **shifting the use and handling** in making maps and such away from foreign researchers and governments and directly by the people. As exemplified by the Participatory Mapping reading, it is the arrogance and ignorance of researchers that go to local villages ... **mapping** should be done **by the local people** and **stay localized unless** it is the local people that **wish to spread that information**, and it will be **best used by the local people**."

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

Good Petililinking to what happened in class!

Keiya Wada

"...the **majority of the class** only **chose the world map** as a map when in reality all of them were maps... shape the fundamental base of how we navigate through our lives, as **we use applications like google maps** every single day. This is most likely also the reason why the **majority chose the world map as the only map**, because that is the form of maps that we are the most familiar with, and **many think** of that **kind of form to be the only maps** used in the world."

Nice Vanillux-amples!

Jasmine Reyes

"[**MappingForRight**s]is an organization that helps at-risk communities in the rainforest **demonstrate their presence** to governments. This can be crucial when governments decide to **tear down rainforests for industrial business**. (https://www.mappingforrights.org/participatory-mapping/)... I immediately thought of how **Mariah** mentioned that **digital maps purposely hide information** from their viewers...I never realized how much **power maps** inherently had until I realized how much I depend on maps... I **go straight to Apple maps**, even when I know where I am going sometimes."

Braviarеally Nice Connections to the Reading and Visiting Voice!

Kiana Tran

"extracting information which will be used against people" (Chambers 7).... initially caught my attention because...it did relate somewhat to a concept discussed during the lecture with Mariah and **how oral maps have been historically practiced**, but the **choice to share** the **translation/meaning prevents** the information from being **exploited** by others... an issue with participatory mapping and critical cartography is **controlling who gets a hold of the information**/data so that the information is not used against people and puts people in danger... the **participants who provide** the information **must have control** and knowledge of where their information is going and who it will be used by to **mitigate potential exploitation**.

Legendary Zekromended Thinking Cap of the Week

Paige Wu

“Maps should, I believe, **start collaboratively within locals first**. If one wants to consider certain cultural sensitives or reduce risk or danger to the community, it is arguably easier and **important** for **community members** to **participate** in this **map making**... this living countermap against tourist marketing personally comes to mind. Created by Crear Studio's **collaboration** with two local artists: Roger Eyes R. and Sarah Rafael García, this map of Santa Ana becomes very personal in preserving and sharing the histories integral to these communities. (**My favorite** part of this map looks at Santa Ana's former Chinatown.) Nevertheless, it is important to **check our biases and assumptions** for map making; knowledge production and **map making by locals should not be delegitimized**...

Accligoreat comments!

Kienna Chhoeu

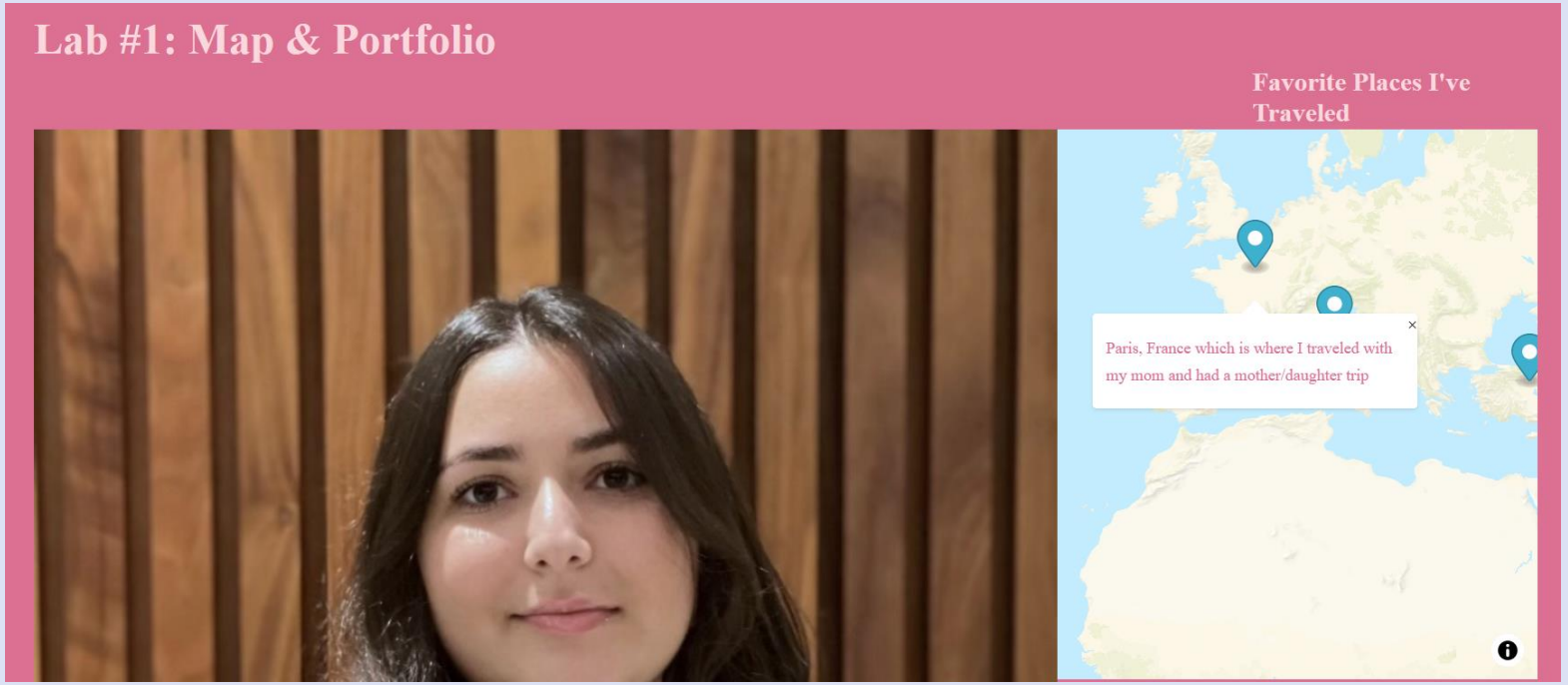
To Kiana:
“**I agree with your solution** to solve the issue... language is such a important tool that is easily overlooked when it comes to research and data collection, but **having participants be able to control the knowledge** of their information is important because they deserve a full choice, and also for **language to be accessible** for the participants.”

Gia Kim

To Paige Wu:
“The **accessibility aspect** of mapping should fully be emphasized because it is **very revealing on who maps** are being made for. I would take it a step further of deconstructing even the presence of an "expert" or "educated professional" in **making maps with/for local**s.”

You've tepi-cked a good spot for your map title

Ness Solomon



https://nesslee123.github.io/Assignments/week1/index.html

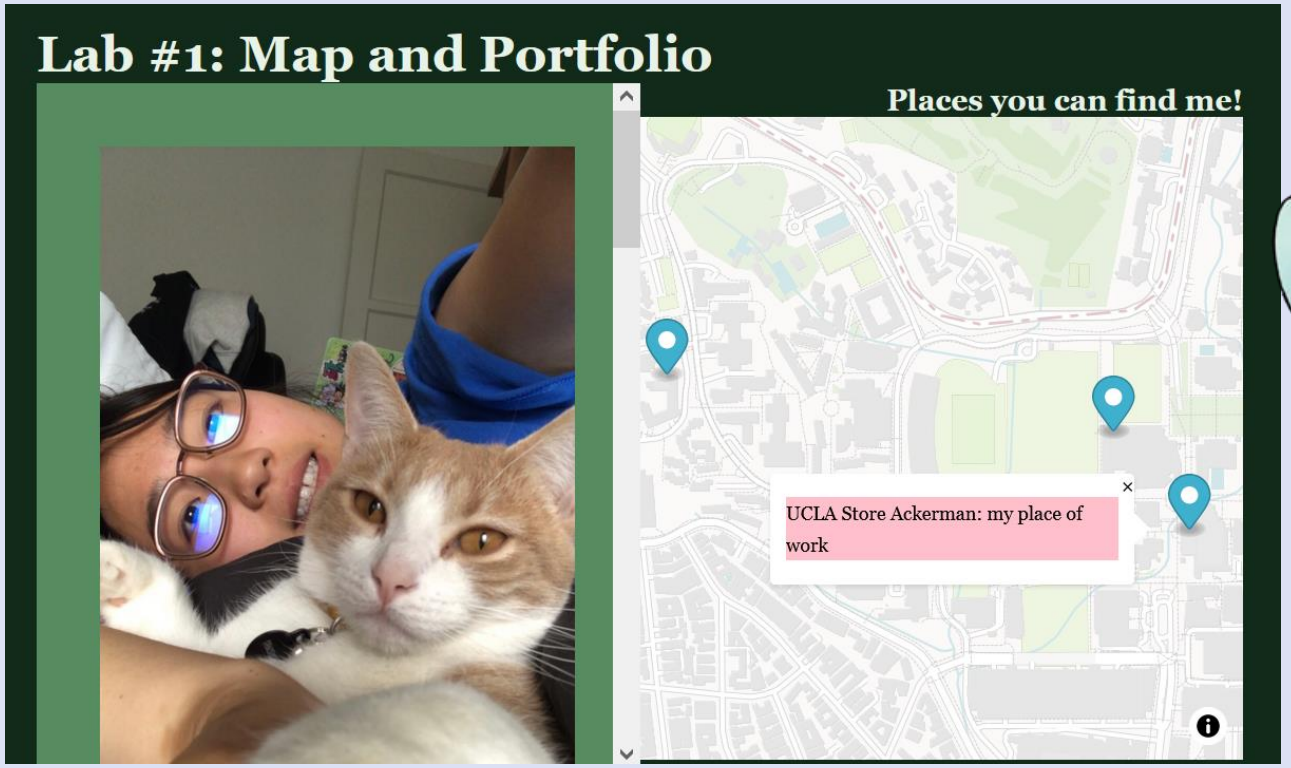
Excellent layout and styles, but you Cottonneed to fix the map!!!

Paige Wu

https://pwinnie2026.github.io/24su-asiaam-191a-labs/Week%201/index.html

Thanks for Ducklette-ing me Scroll!

Kiana Tran



https://kianaptran.github.io/24su-asiaam-191a-labs/week%201%20profile/

Emolga-reat sectioning of content and HTML link

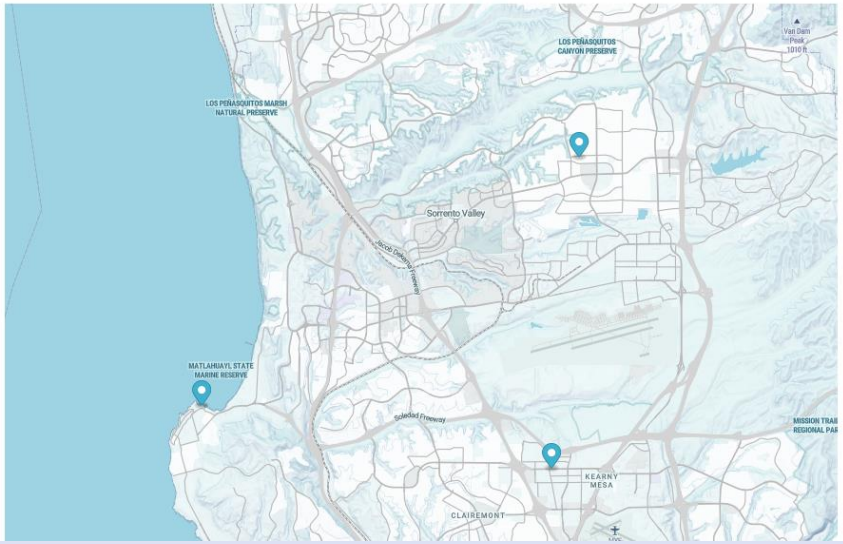
Caitlynn Hauw

caitlynn's lit, crazy, cool portfolio

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 clincial psychology, i also really love web development!

restaurants I have eaten ramen at in san diego



https://caitlynn-hauw.github.io/aa191-assignments/week1/index.html

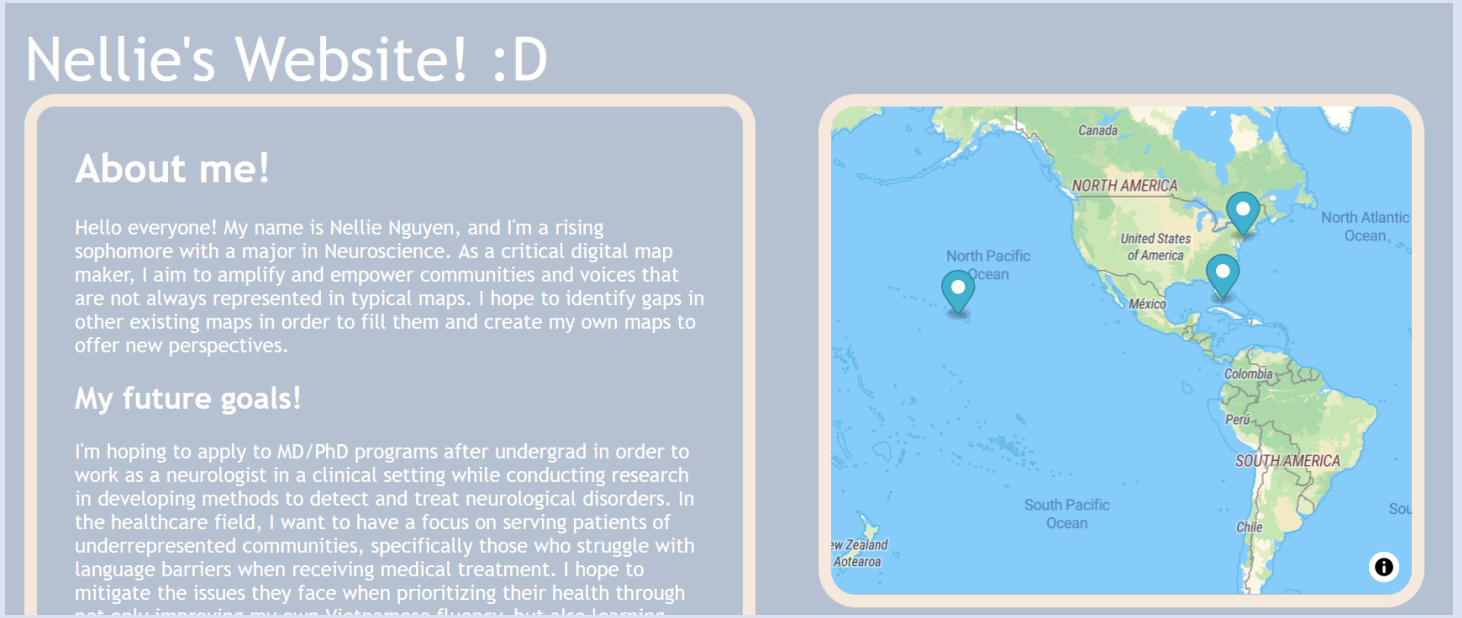
Great job changing the Lillipup-up content and map angle

Sadhana Jeyakumar

https://sjeyakum.github.io/24su-aas191a-labs/week1/index.html

I Victini-ced to recommend your layout!

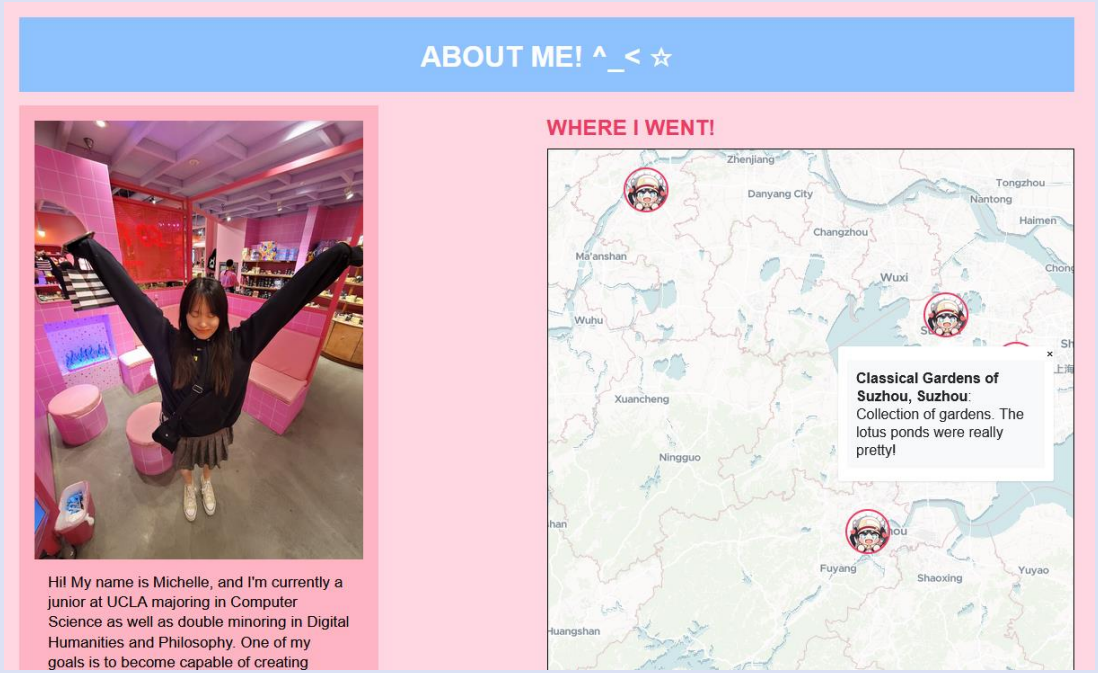
Nellie Nguyen



https://nellienguyen149.github.io/24su-asianam-191a-labs/week1/

Legendary Reshiramazing map and design

Michelle Zhao



https://zhamic7.github.io/aa191a-labs/week1/index.html

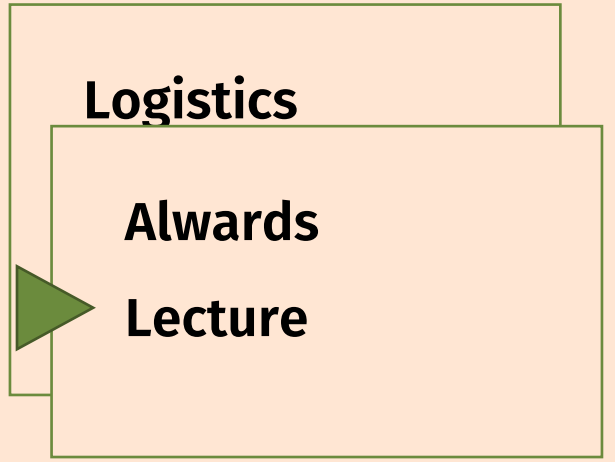
Al's Mincinno-mber one portfolio of the week

Justine Lim

https://stinest.github.io/24su-191a-labs/week1/index.html

Connecting the dots of technology and ethics

Society, Technology, and Ethics



Theme of the week

The societal impacts of technology

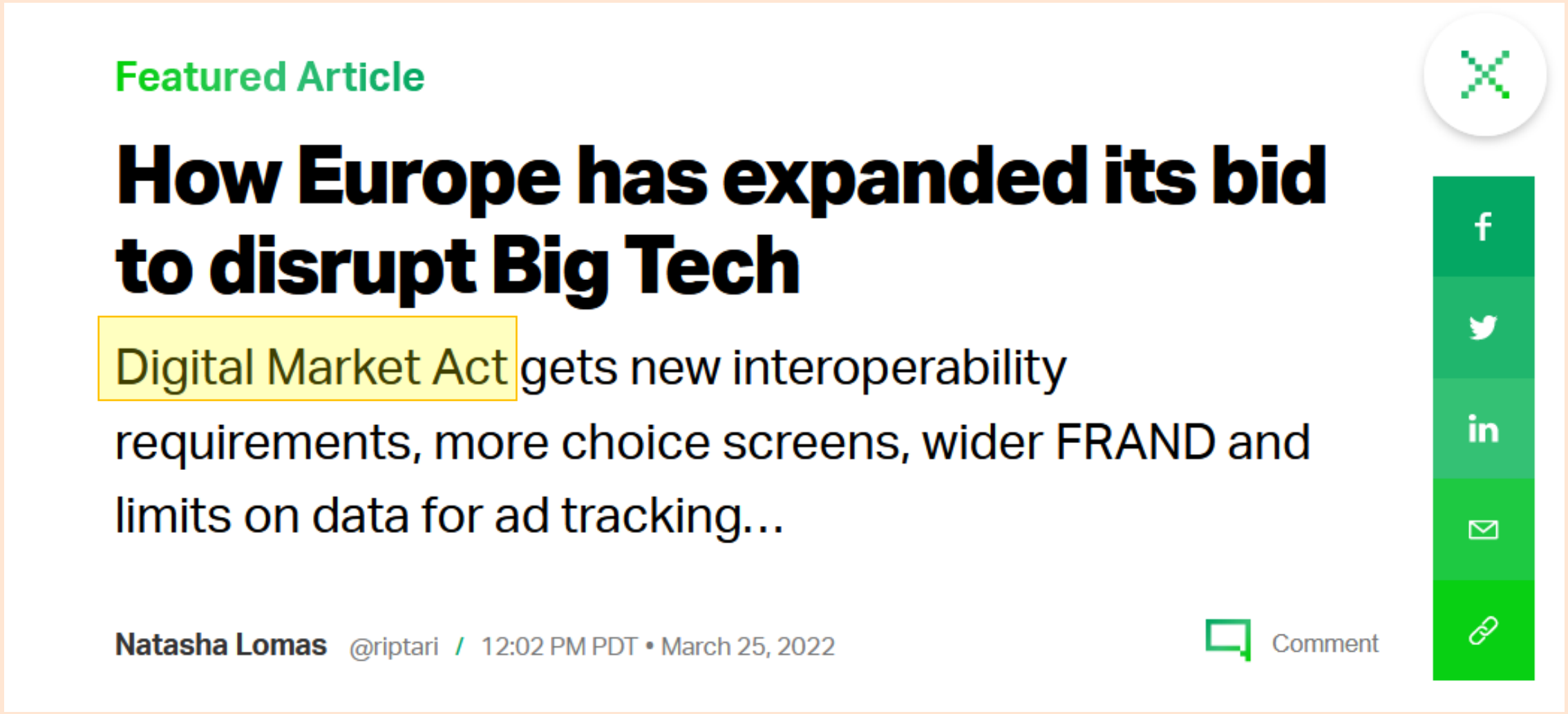
What is the relationship between society and technology?

Inside a European push to outlaw creepy ads

Natasha Lomas @riptari / 9:30 AM PDT • October 21, 2021

Comment

https://techcrunch.com/2021/10/21/inside-a-european-push-to-outlaw-creepy-ads/



https://techcrunch.com/2022/03/25/how-europe-has-expanded-its-bid-to-disrupt-big-tech/

Report reveals Big Tech's last minute lobbying to weaken EU rules

Natasha Lomas @riptari / 3:01 PM PDT • April 22, 2022

Comment

Big Tech boosts EU lobbying

New EU Transparency Register update show that Big Tech firms boosted their EU lobbying in 2021. Their combined lobby spending exceeded 27 million euros.

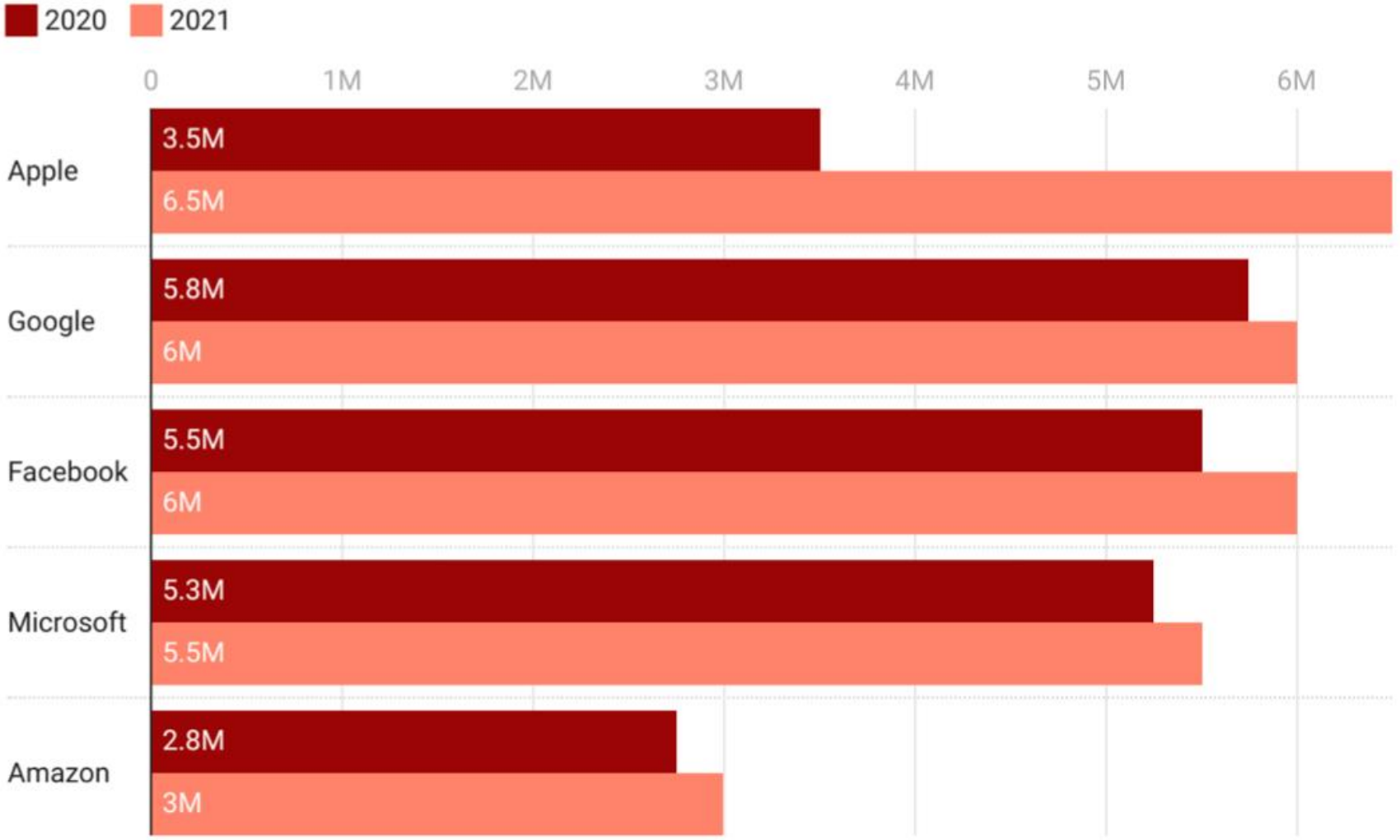


Chart: Corporate Europe Observatory • Source: EU Transparency Register • Created with Datawrapper

04.21.2022 UNITED STATES WAR AND IMPERIALISM / RICH PEOPLE

Lockheed Martin and Friends Don't Want You to Know What They're Up To

BY
DANAKA KATOVICH

The boards of defense companies like Lockheed Martin and Boeing are encouraging their shareholders to vote against transparency measures. Maybe the US government shouldn't fund companies whose profits would be harmed by the collection of human rights data?

A US soldier fires an FGM-148 Javelin missile during a combined arms live fire exercise in Jordan on August 27, 2019. (Sgt. Liane Hatch / US Army via Wikimedia Commons)

https://www.jacobinmag.com/2022/04/defense-contractors-human-rights-transparency-lockheed-raytheon

Are we barking up the wrong tree?

N.Y.P.D. Robot Dog's Run Is Cut Short After Fierce Backlash

The Police Department will return the device earlier than planned after critics seized on it as a dystopian example of overly aggressive policing.

Give this article

The Police Department used a robotic dog like this one from Boston Dynamics. The machine, which the police named Digidog, became a source of heated debate. Josh Reynolds/Associated Press

By Mihir Zaveri

Published April 28, 2021 Updated May 11, 2021

Is there anything negative when institutions use technology to reinforce society?

NYPD doesn't think so.

This comes 2 years later after the initial outcry.

https://abc7.com/nypd-police-dog-robot-new-york-city/13114623/

A sign of the Dystopian times?

New York City Brings Back Dystopian Robot Police Dogs

'Digidog is out of the pound," New York City Mayor Eric Adams declared, not ominously.

C.J. CIARAMELLA | 4.12.2023 3:12 PM

https://reason.com/2023/04/12/new-york-city-brings-back-dystopian-robot-police-dogs/

Doggone it, even here in Los Angeles!

DAILY BREEZE

NEWS • News

LA City Council delays vote on accepting 'robot dog' donation

Councilwoman Traci Park said she would never support something that "violates our constitutional rights" or puts the city on a path to a "dystopian" or "Orwellian" future."

By CITY NEWS SERVICE | news@socalnews.com |
PUBLISHED: March 7, 2023 at 3:27 p.m. | UPDATED: March 8, 2023 at 12:56 p.m.

https://www.dailybreeze.com/2023/03/07/la-city-council-delays-vote-on-accepting-robot-dog-donation/

Civil Society pushes back.. For now.

https://www.latimes.com/california/story/2023-03-07/la-city-council-tables-police-robot-dog-vote-2-months

What about altering research to suit an agenda?

FLORIDA

Florida surgeon general altered key findings in study on Covid-19 vaccine safety

Joseph Ladapo defended the move, saying revisions are a normal part of assessing such analysis.

Joseph Ladapo, a well-known Covid-19 vaccine skeptic, faced a backlash from the medical community after he made the assertions. | Joe Raedle/Getty Images

By AREK SARKISSIAN
04/24/2023 01:59 PM EDT

https://www.politico.com/news/2023/04/24/florida-surgeon-general-covid-vaccine-00093510

What about limiting searches to suit an agenda?

slido

What are your thoughts about this?

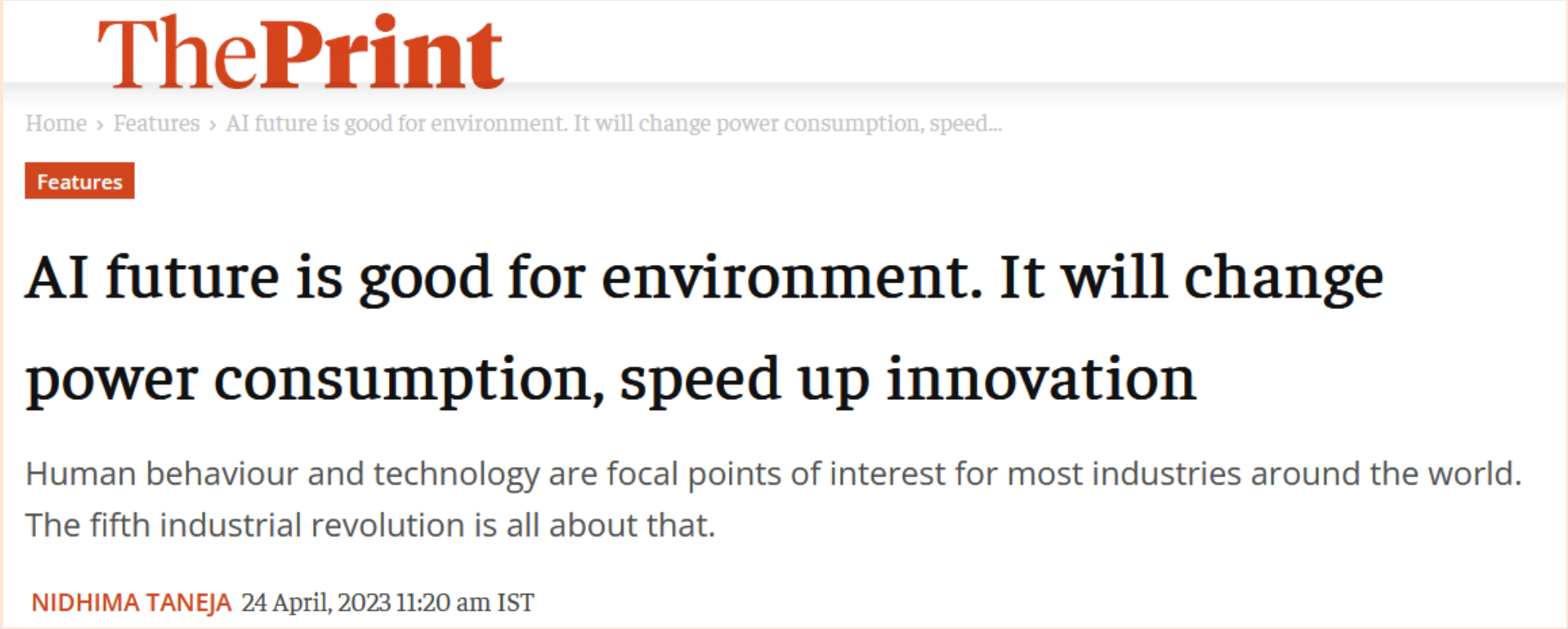
ⓘ Start presenting to display the poll results on this slide.

Community + Technology + Ethics = Necessary

Can AI and Data really save the day?

Context: Data (middle) is an android.

Can AI and Data really save the day?



ThePrint

Home › Features › AI future is good for environment. It will change power consumption, speed...

Features

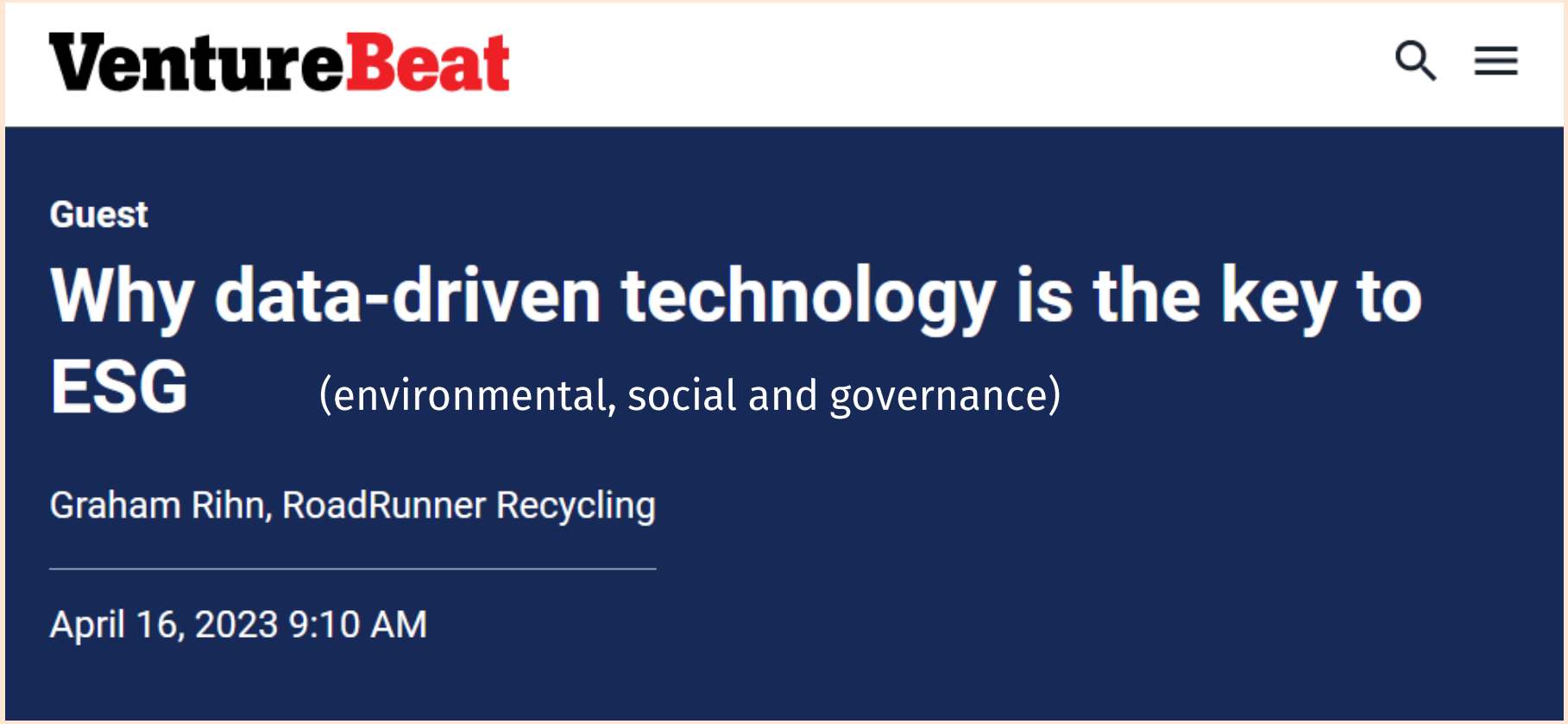
AI future is good for environment. It will change power consumption, speed up innovation

Human behaviour and technology are focal points of interest for most industries around the world. The fifth industrial revolution is all about that.

NIDHIMA TANEJA 24 April, 2023 11:20 am IST

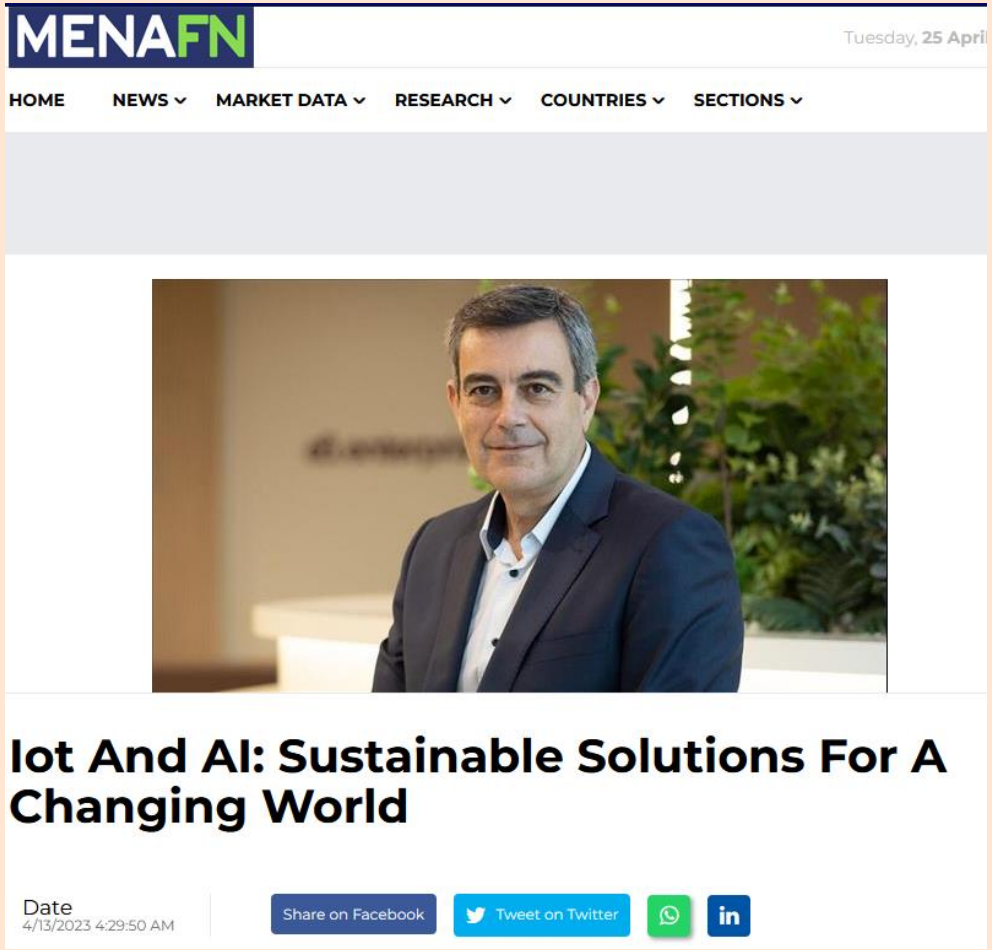
https://theprint.in/features/ai-future-is-good-for-environment-it-will-change-power-consumption-speed-up-innovation/1536008/

Can AI and Data really save the day?



https://theprint.in/features/ai-future-is-good-for-environment-it-will-change-power-consumption-speed-up-innovation/1536008/

Can AI and Data really save the day?



https://menafn.com/1106000730/Iot-And-AI-Sustainable-Solutions-For-A-Changing-World

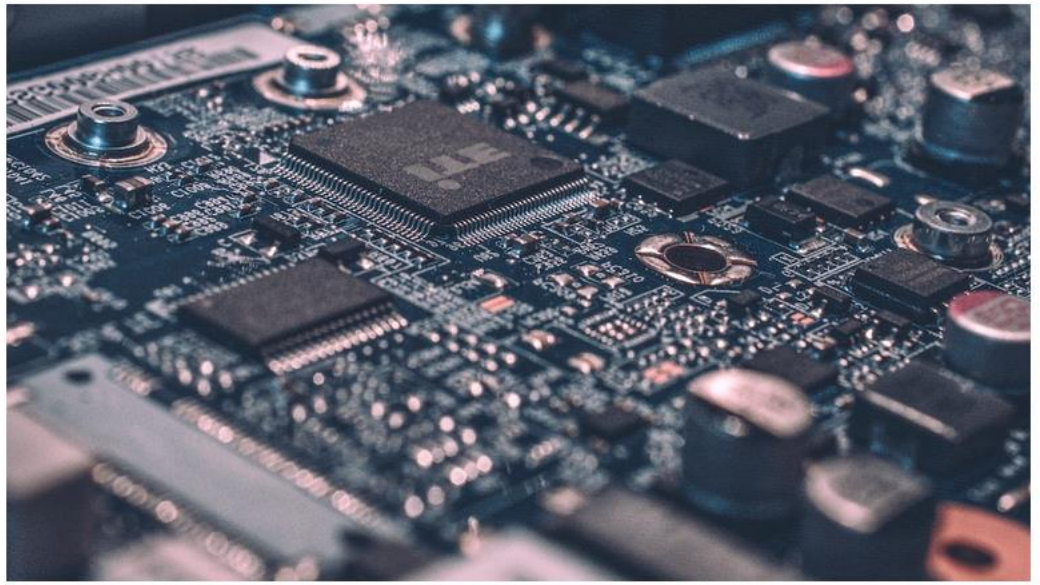
Who is tech actually saving/serving?

02.17.2021 GERMANY CAPITAL / SCIENCE AND TECHNOLOGY

Under Capitalism, "Labor-Saving" Technology Only Adds to Our Workload

BY
PETER SCHADT / HANS ZOBEL

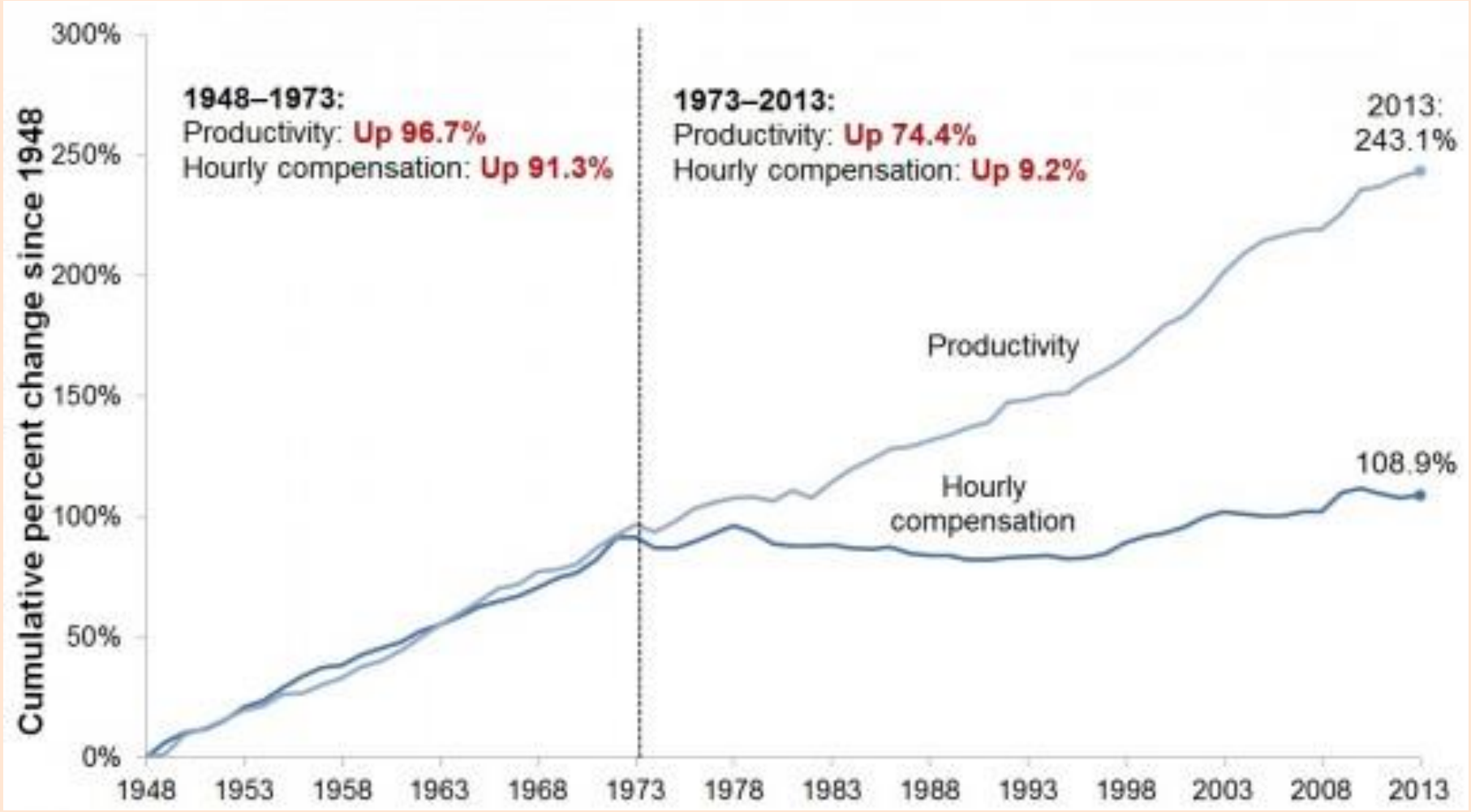
Upon its launch ten years ago, Germany's Industry 4.0 program promised a fourth industrial revolution changing the way we work. Yet for all the talk of novelty, it followed age-old capitalist imperatives: using labor-saving technology not to lessen our workload but subject us to even tighter workplace discipline.



In many parts of the world, working conditions are deteriorating and digitalization is being blamed for this. (Unsplash)

https://www.jacobinmag.com/2022/04/defense-contractors-human-rights-transparency-lockheed-raytheon

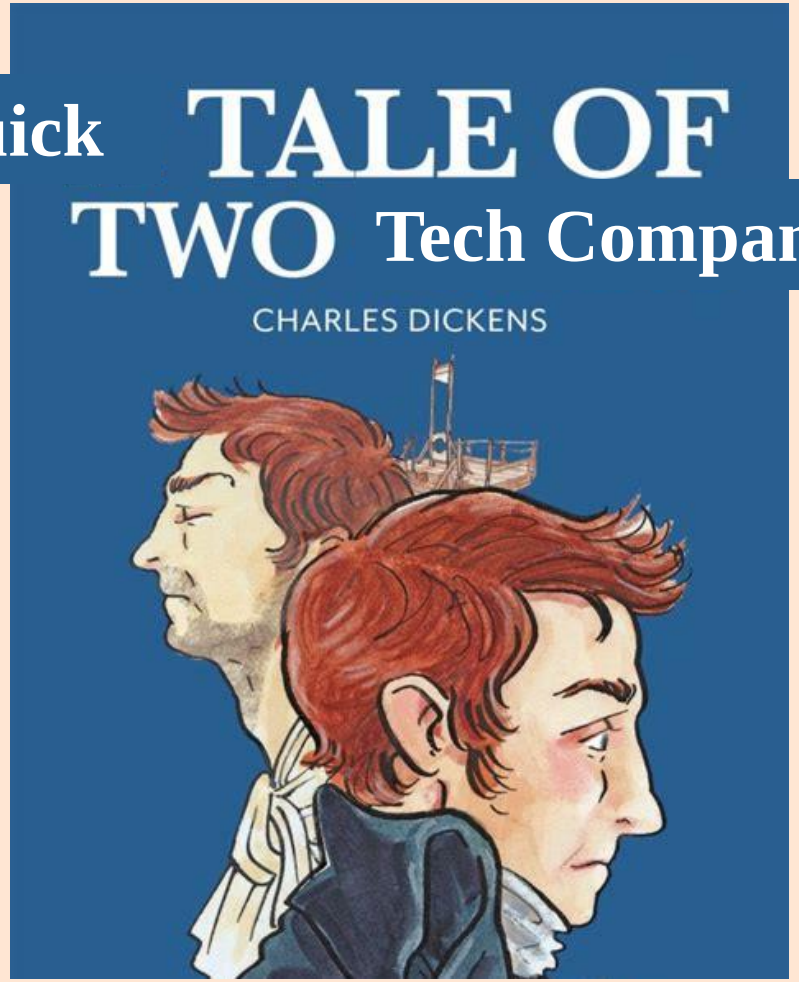
Who is tech actually saving/serving?



https://aflcio.org/2015/1/15/five-causes-wage-stagnation-united-states

Disturbing?

Quick Tale of Two Tech Companies and current events



Basecamp

https://github.com/basecamp

Twitter

https://github.com/twitter

Examples to look at how technology and society are connected...

JASON FRIED

April 26, 2021

Changes at Basecamp

At Basecamp, we treat our company as a product. It's not a rigid thing that exists, it's a flexible, malleable idea that evolves. We aren't stuck with what we have, we can create what we want. Just as we improve products through iteration, we iterate on our company too.

Recently, we've made some internal company changes, which, taken in total, collectively feel like a full version change. It deserves an announcement.

https://world.hey.com/jason/changes-at-basecamp-7f32afc5

1. No more societal and political discussions on our company Basecamp account. Today's social and political waters are especially choppy. Sensitivities are at 11, and every discussion remotely related to politics, advocacy, or society at large quickly spins away from pleasant. You shouldn't have to wonder if staying out of it means you're complicit, or wading into it means you're a target. These are difficult enough waters to navigate in life, but significantly more so at work. It's become too much. It's a major distraction. It saps our energy, and redirects our dialog towards dark places. It's not healthy, it hasn't served us well. And we're done with it on our company Basecamp account where the work happens. People can take the conversations with willing co-workers to Signal, Whatsapp, or even a personal Basecamp account, but it can't happen where the work happens anymore. *Update: David has shared some more details and more of the internal announcement on his HEY World blog.*

6. No forgetting what we do here. We make project management, team communication, and email software. We are not a social impact company. Our impact is contained to what we do and how we do it. We write business books, blog a ton, speak regularly, we open source software, we give back an inordinate amount to our industry given our size. And we're damn proud of it. Our work, plus that kind of giving, should occupy our full attention. We don't have to solve deep social problems, chime in publicly whenever the world requests our opinion on the major issues of the day, or get behind one movement or another with time or treasure. These are all important topics, but they're not our topics at work — they're not what we collectively do here. Employees are free to take up whatever cause they want, support whatever movements they'd like, and speak out on whatever horrible injustices are being perpetrated on this group or that (and, unfortunately, there are far too many to choose from). But that's their business, not ours. We're in the business of making software, and a few tangential things that touch that edge. We're responsible for ourselves. That's more than enough for us.

April 26, 2021

Changes at Basecamp

At Basecamp, we treat our company as a product. It's not a rigid thing that exists, it's a flexible, malleable idea that evolves. We aren't stuck with what we have, we can create what we want. Just as we improve products through iteration, we iterate on our company too. Recently, we've made some internal company changes, which, taken i...

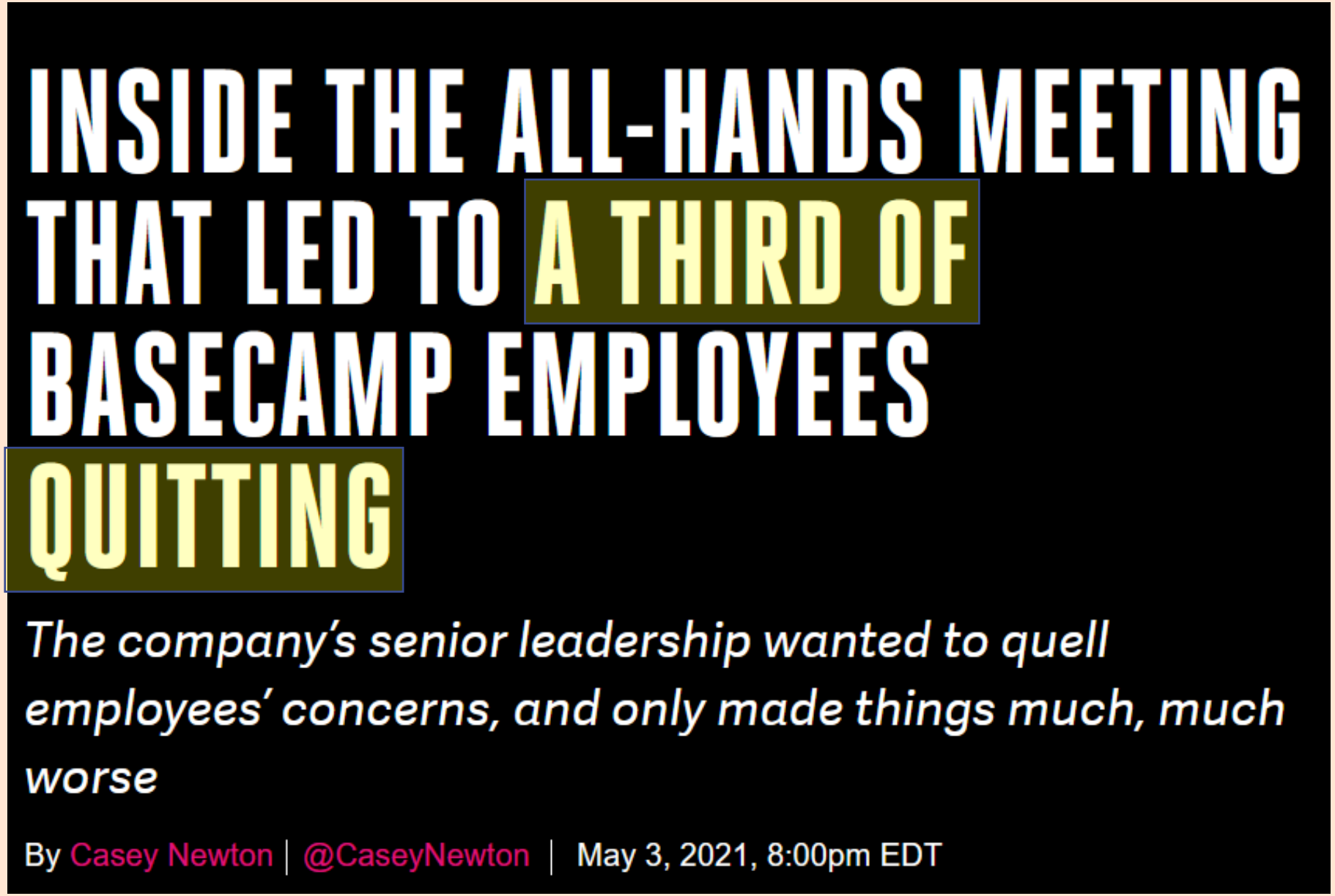
Read more

April 24, 2021

I bought a sauna

I bought a sauna. Which one doesn't matter. I barely know. I don't even care. Model number? I couldn't tell you. Maker? I'd pronounce it wrong. I just know it goes up to about 184 degrees Fahrenheit. I bought a sauna on a second-hand recommendation from someone I don't know, but do respect. I bought a sauna sight unseen, heat unfelt. I...

A FEW
DAYS
LATER



https://www.theverge.com/2021/5/3/22418208/basecamp-all-hands-meeting-employee-resignations-buyouts-implosion

But it was an all-hands meeting last Friday, Newton reported, that apparently pushed some employees who were on the fence to actually take the severance offer. Basecamp's longtime head of strategy, Ryan Singer, questioned the existence of white supremacy at the company to the dismay of other employees. Singer, who had been with the company 18 years, eventually resigned.

Even Forbes disagrees with basecamp.

Forbes

FORBES > BUSINESS

Company Culture And Free Speech: Should Certain Subjects Be Verboten?

FB

Shane Spraggs Forbes Books Author

Forbes Books

AUTHOR POST | Paid Program

Mar 30, 2023, 10:11am EDT

https://www.forbes.com/sites/forbesbooksauthors/2023/03/30/company-culture-and-free-speech-should-certain-subjects-be-verboten/?sh=3467292e2f51

Case 2: Ellon's Husk of Twitter

POLITICO

SIGN UP TO NEWSLETTERS SIGN IN

Musk tells Twitter staff: Work 'hardcore' or leave

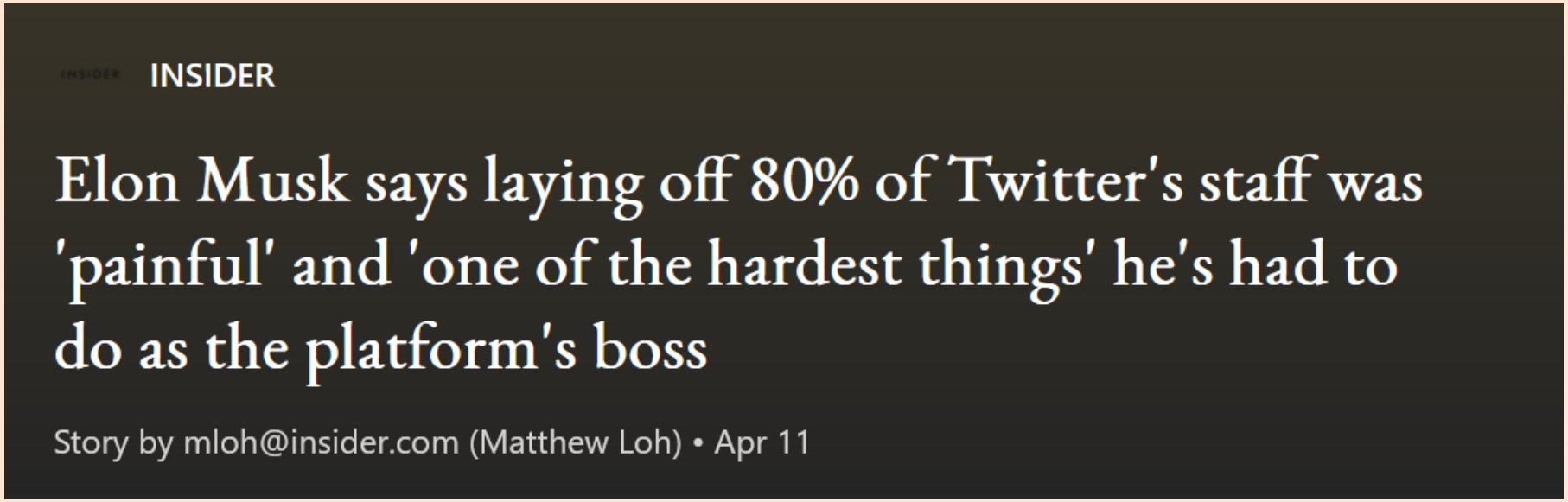
Staff told they will have to work 'long hours at high intensity.'

BY LAURA KAYALI

NOVEMBER 16, 2022 | 1:25 PM CET | 2 MINUTES READ

https://www.politico.eu/article/must-tells-twitter-staff-to-work-harder-or-leave/

Disconnecting tech from society...



https://www.msn.com/en-us/money/companies/elon-musk-says-laying-off-80-of-twitters-staff-was-painful-and-one-of-the-hardest-things-hes-had-to-do-as-the-platforms-boss/ar-AA19KPWv

Disconnects morals?

https://www.inferse.com/485291/elon-musk-publicly-mocks-laid-off-twitter-employee-with-a-disability-then-apologizes-abc-news/

Current events: Israel-Palestine

DRONES - LATEST NEWS, FEATURES & EXPERT OPINION | MIDDLE EAST | TECHNOLOGY | WAR

Israel Deploys New Military AI in Gaza War

STAFF WRITER WITH AFP FEBRUARY 12, 2024 3 MINUTES READ

https://www.thedefensepost.com/2024/02/12/israel-military-ai-gaza/

Israel-Palestine

https://www.npr.org/2023/12/14/1218643254/israel-is-using-an-ai-system-to-find-targets-in-gaza-experts-say-its-just-the-st

Israel-Palestine

IN THESE TIMES

The Crackdown on Campus Protests is Just Beginning

At least a dozen colleges and universities have changed their policies to make it harder to protest the war on Gaza. More may follow this summer.

ADAM FEDERMAN JUNE 20, 2024

https://inthesetimes.com/article/campus-protest-gaza-indiana-university-columbia-chicago

Pro-Israeli Tech

Investigation identifies tech entrepreneur behind pro-Israel hate network: Report

A Florida-based tech entrepreneur who co-wrote a guidebook for OnlyFans users is one of the main hands behind the "Shirion Collective", investigation finds

The investigation alleged that Daniel Linden, who co-wrote a guidebook for OnlyFans users, is one of the main hands behind the 'Shirion Collective' (AFP)

By MEE staff

Published date: 29 June 2024 21:35 BST

https://www.middleeasteye.net/news/investigation-identifies-tech-entrepreneur-behind-pro-israel-hate-network-report

Active poll

7

Join at

slido.com

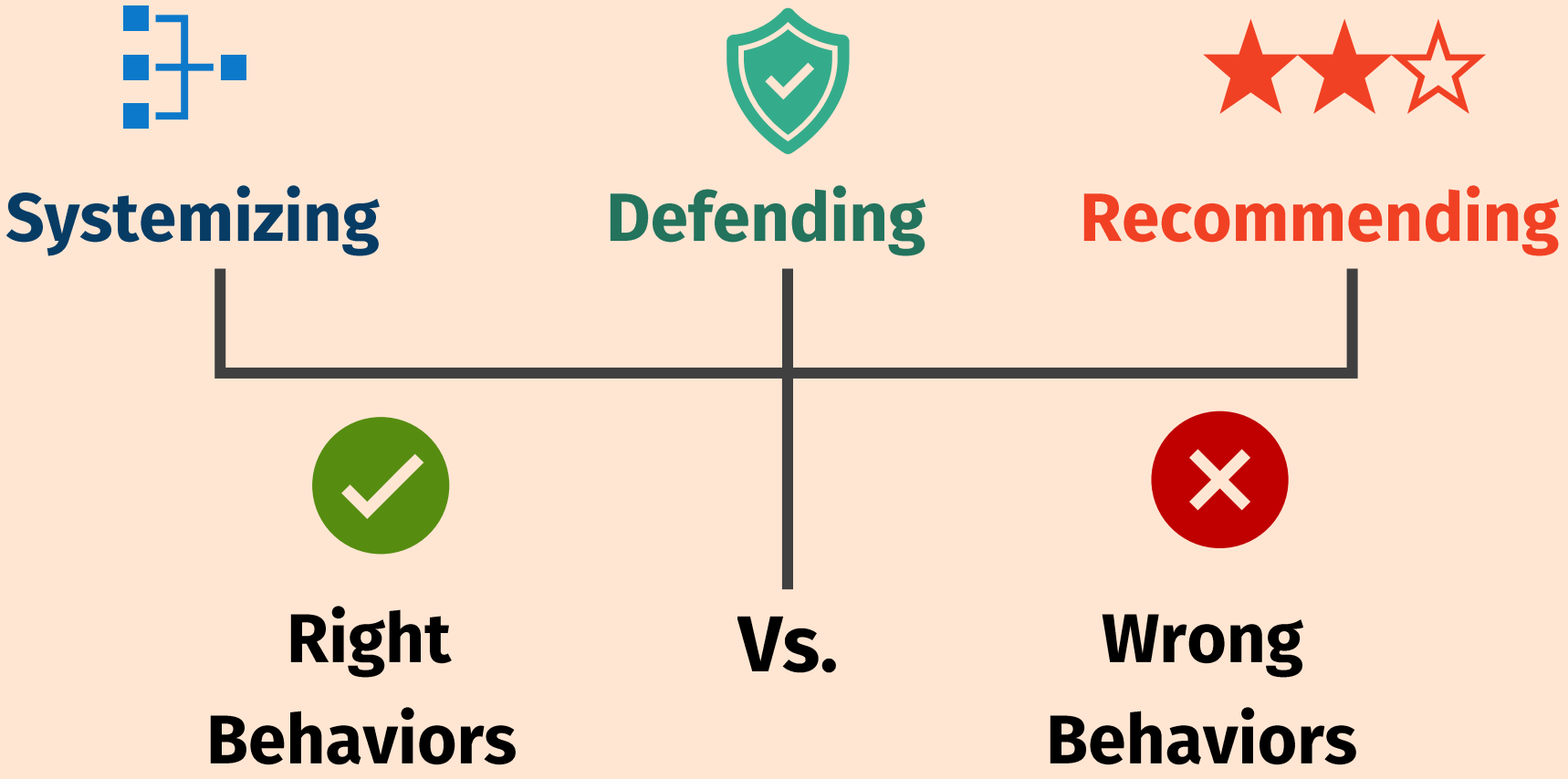
#ucla

Thoughts about the basecamp or Twitter example?

Analyzing all this looks like a job for.....

Ethic

Reminder, ethics is about:



Understanding why we should be doing an action.

No “right” answers

No right answers

No answers

We should be able to systemize, defend, and recommend what is right or wrong for ourselves.

We can still afford to debate though!

Disagreeing and debating on ethics leads to STRONGER ethics for everyone!

Three ethical terms to walk away with today

Technological Determinism

Techno-facism

Holism

I will explain my ethics on what is bad, and if you disagree, then I should be able to defend it to make my ethical case stronger!

Connecting the dots of technology and ethics

Technology, Society, and Ethics

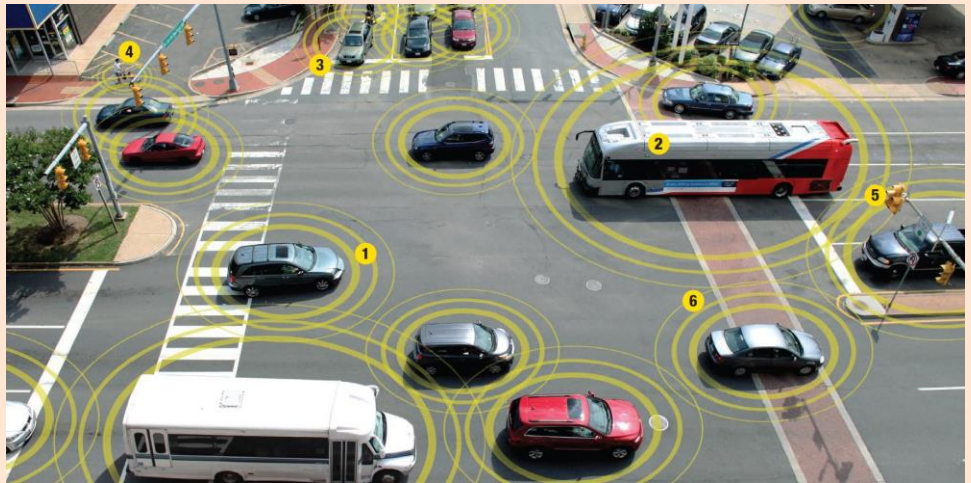
Logistics

Lecture

Group Time

Technology

- Objects that provide a “solution” to a problem
- Technique of knowledge
- Set of objects that exist only within certain social relations.



Technology

When we think about technology as an “object” we cut it out of the social context that it exists in.

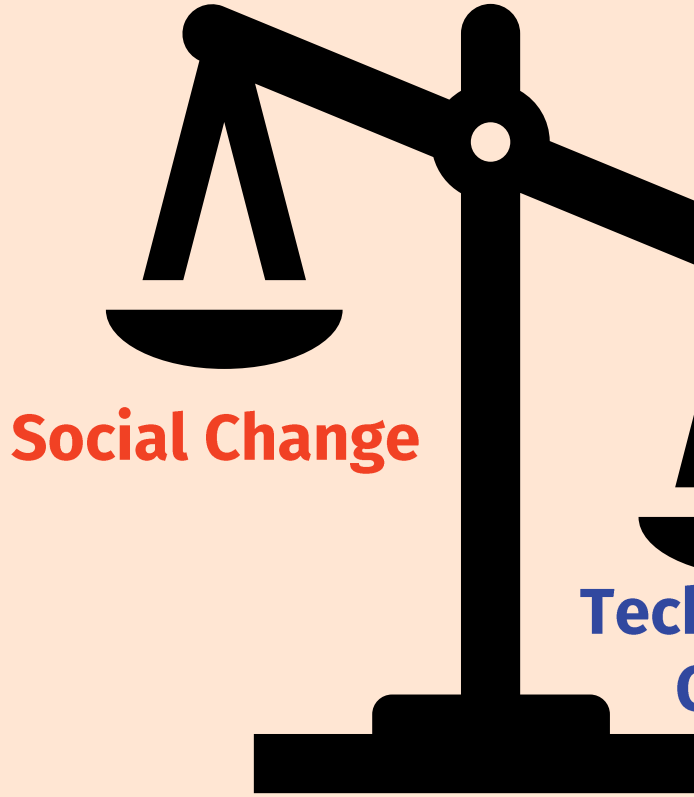
This causes:

- **Commodification of technology**
- **Fetishizing technology**

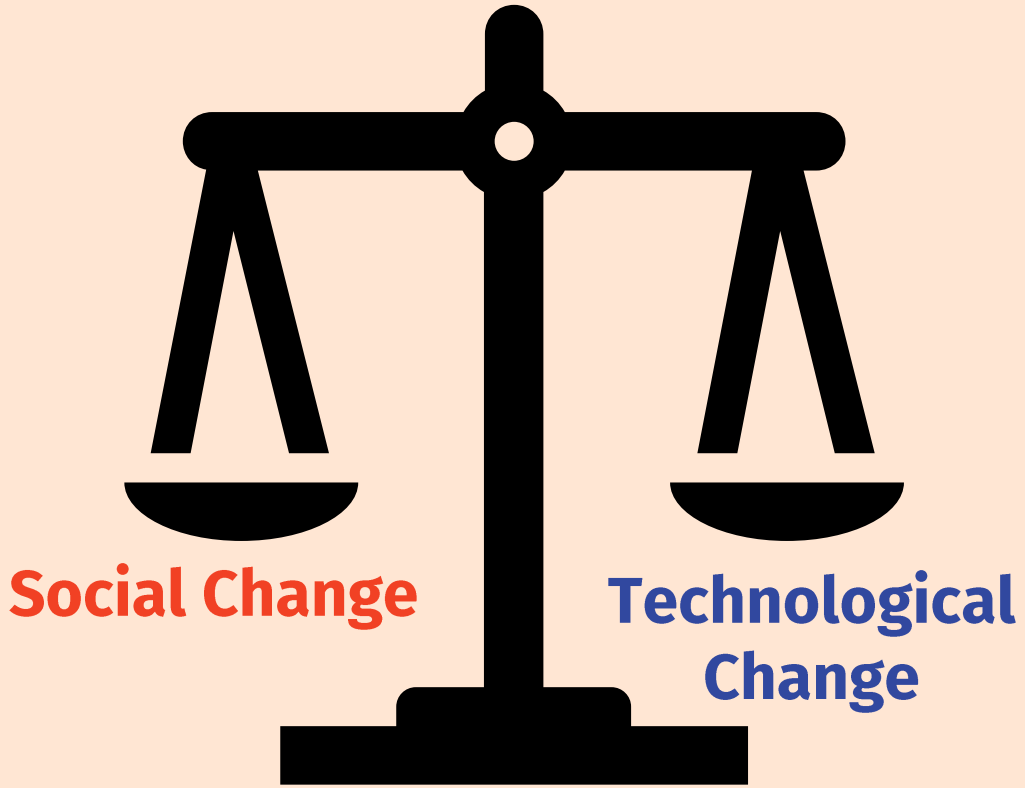
Society

“We live in a society”

As a society where we are at:



Where we need to be:



Why is this the current state?

We have tools to solve social issues like:

- Hunger
- Climate change
- Police brutality
- Houselessness

But....

We spend resources on trying to find “new” bigger and better technical solutions instead of addressing root causes.

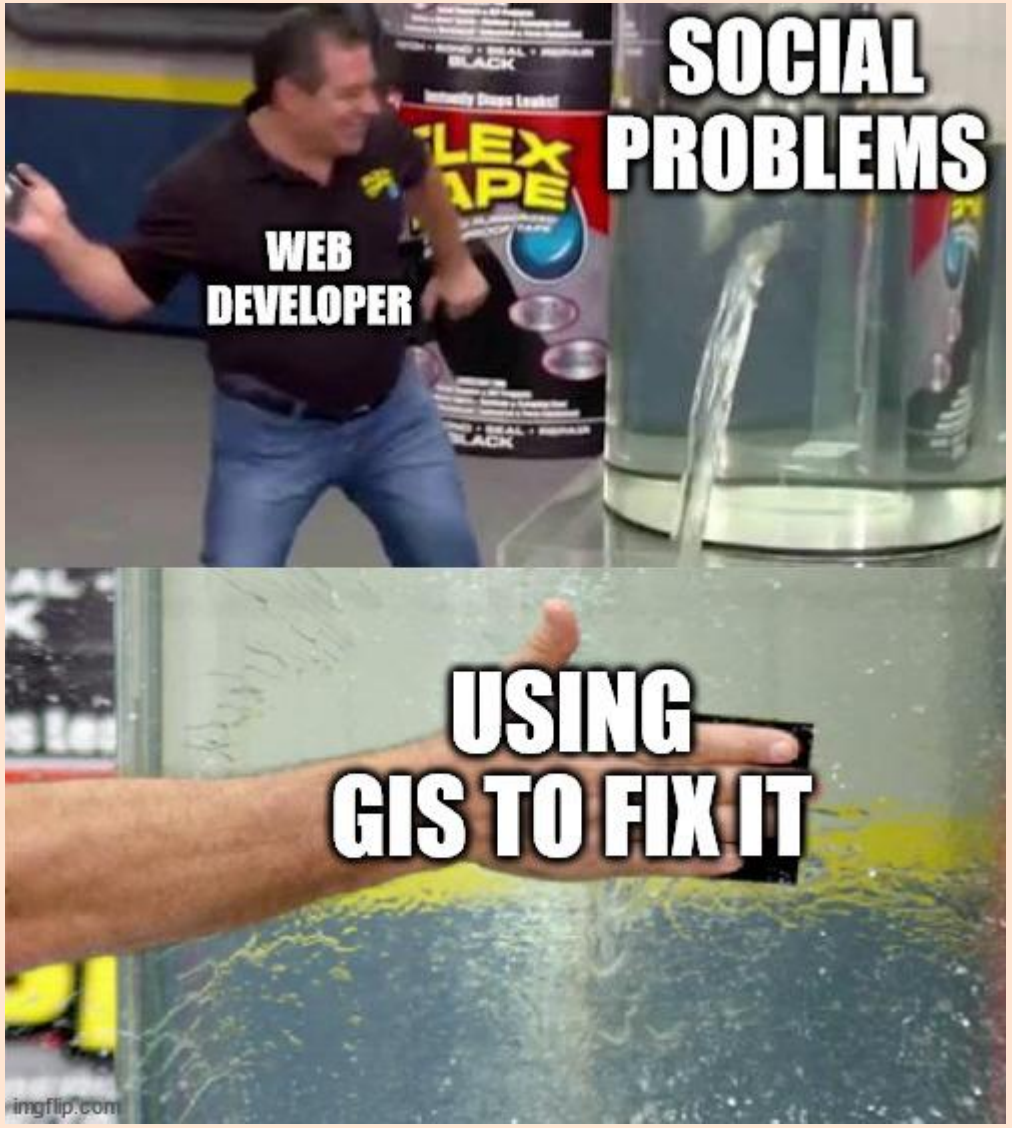
Why?

It’s easier to invest in or create new technology than to face the causes of social problems.

My main ethical point today

You cannot solve social problems with just technology.

Don’t be this type of web developer



Even “scientific” problems are more effected by society than technology…

Any examples?

LEONARDO DiCAPRIO
JENNIFER LAWRENCE
ROB MORGAN
JONAH HILL
MARK RYLANCE
TYLER PERRY
TIMOTHÉE CHALAMET
RON PERLMAN
ARIANA GRANDE
SCOTT MESCUDI
WITH CATE BLANCHETT
AND MERYL STREEP
Don't Look UP
BASED ON TRULY POSSIBLE EVENTS
A FILM BY ADAM McKAY
DON'T LOOK UP
NETFLIX PRESENTS A HYPEROBJECT INDUSTRIES PRODUCTION A FILM BY ADAM McKAY LEONARDO DiCAPRIO JENNIFER LAWRENCE "DON'T LOOK UP" ROB MORGAN JONAH HILL MARK RYLANCE TYLER PERRY TIMOTHÉE CHALAMET RON PERLMAN ARIANA GRANDE SCOTT MESCUDI WITH CATE BLANCHETT AND MERYL STREEP CASTING BY FRANCINE MAISLER MUSIC SUPERVISOR GABE HILFER MUSIC BY NICHOLAS BRITELL COSTUME DESIGNER SUSAN MATHESON EDITED BY HANK CORWIN, ACE PRODUCTION DESIGNER CLAYTON HARTLEY DIRECTOR OF PHOTOGRAPHY LINUS SANDGREN, ASC, FSF CO-PRODUCER RON SUSKIND EXECUTIVE PRODUCER JEFF WAXMAN PRODUCED BY ADAM McKAY, p.g.a. & KEVIN MESSICK, p.g.a.
STORY BY ADAM McKAY & DAVID SIROTA SCREENPLAY BY ADAM McKAY DIRECTED BY ADAM McKAY
HYPEROBJECT
R
IN SELECT THEATERS DECEMBER AND ON NETFLIX
NETFLIX | DECEMBER 24

World Health Organization

Health Topics | Countries | Newsroom | Emergencies | Data | About WHO

02.16.2022

SARAH LAZARE

Pharmaceutical Monopolies Are Still Preventing Full Access to COVID Vaccines Around the World

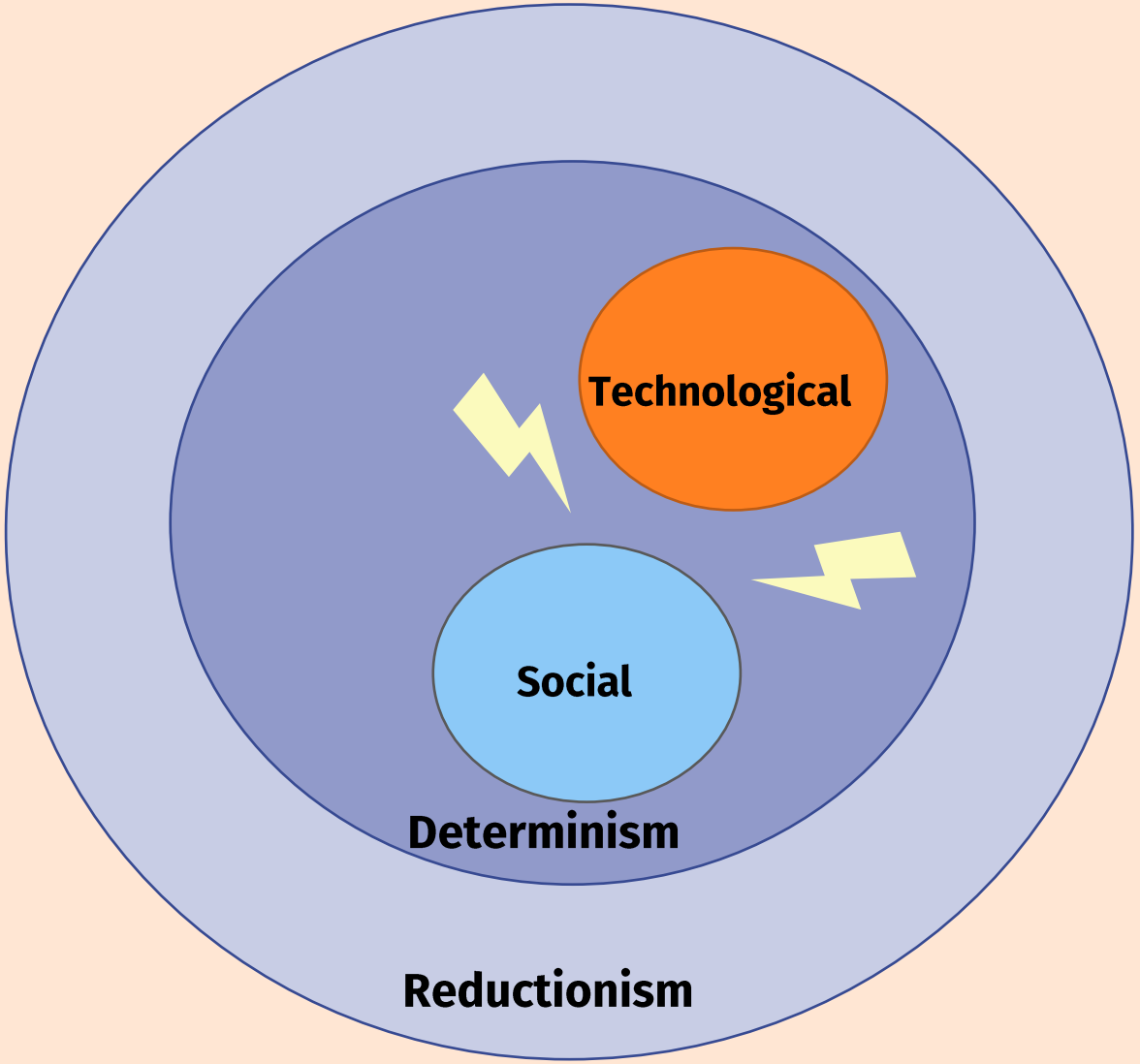
South African scientists are nearly finished reverse engineering Moderna's COVID-19 vaccine. They are forced to waste precious time and resources recreating a vaccine that already exists, because for-profit science protects industry profits over human life.

https://www.jacobinmag.com/2022/02/pharmaceutical-monopolies-access-covid-19-vaccine-global-south-moderna-patents

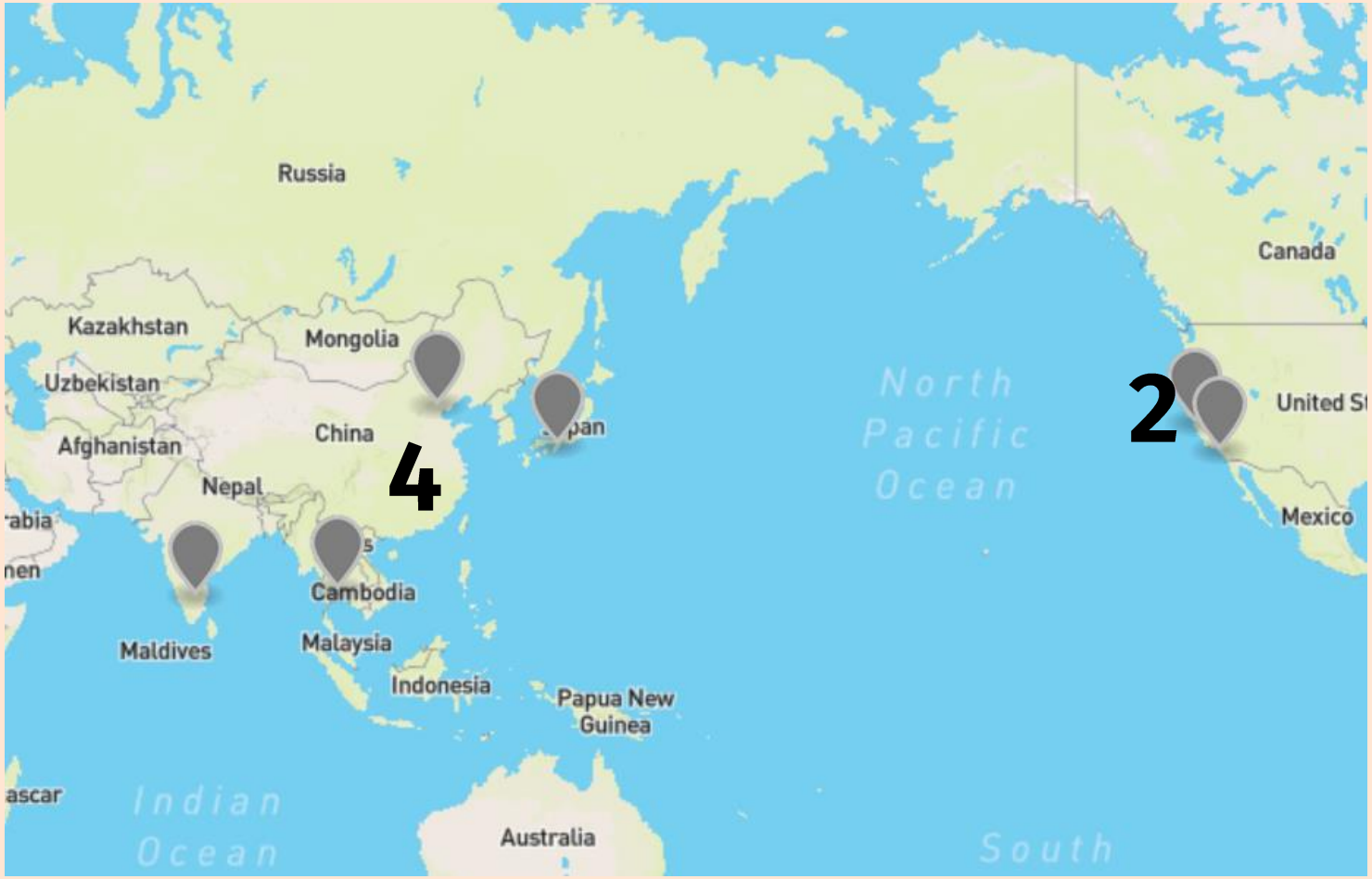
Time to SET the stage with some philosophy

What do you call the idea reducing something into simpler components?

Reductionism



Reductionism



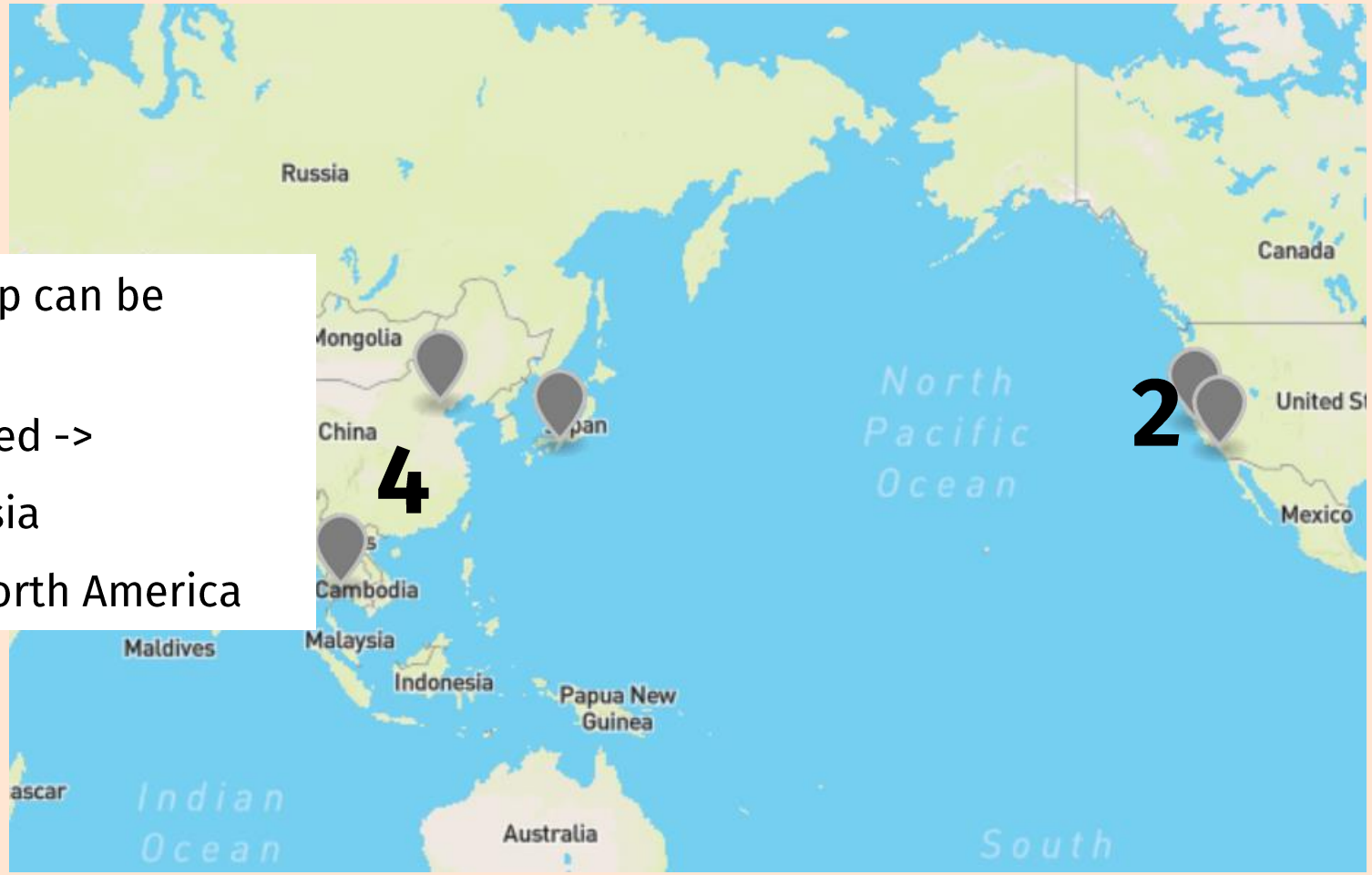
In the social sciences:

Reduces qualitative data into **quantitative**.

Reductionism

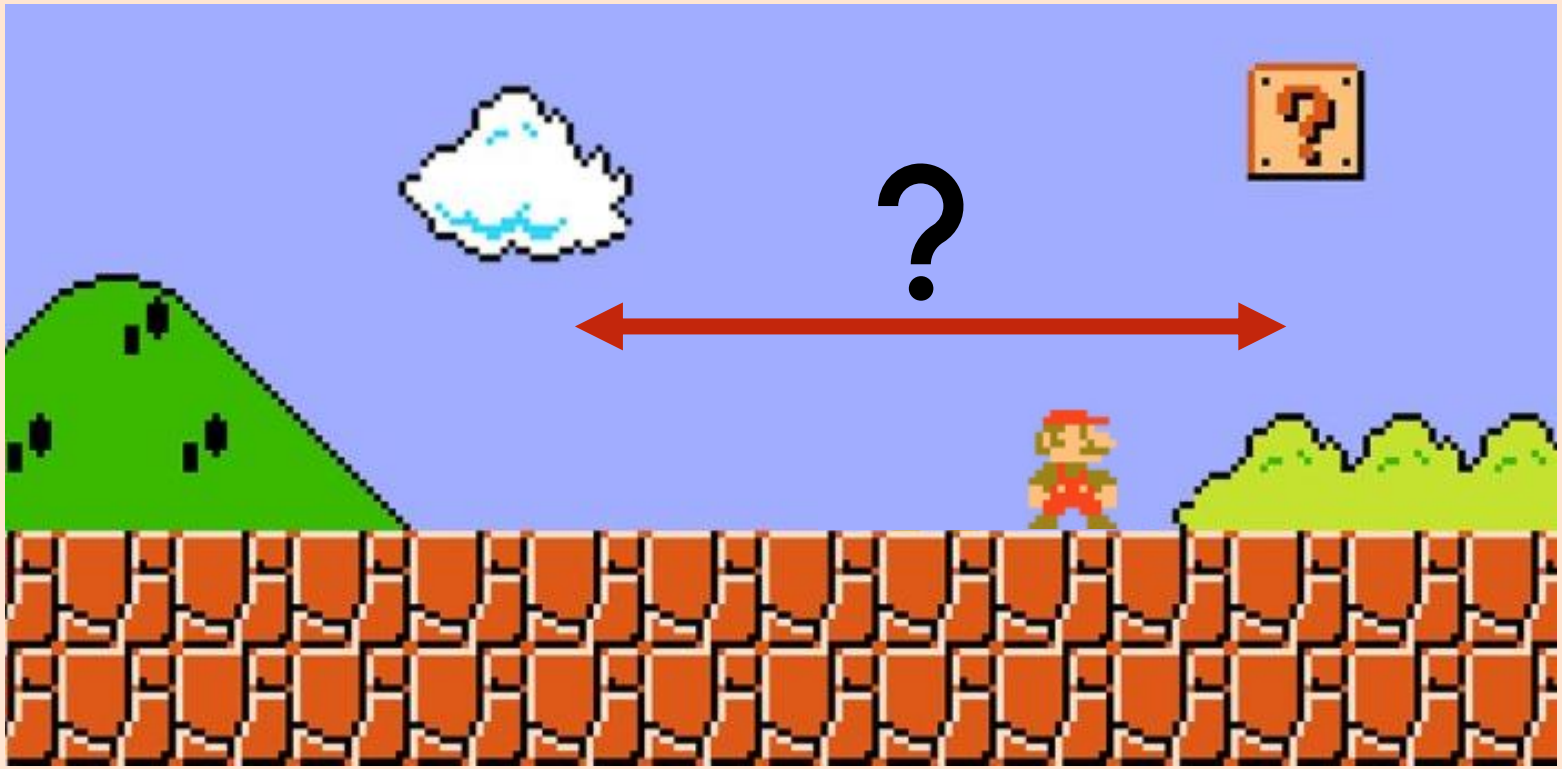
For example... this map can be reduced to:

- Places where I lived ->
  - 4 points in Asia
  - 2 points in North America



Reducing my experiences to numbers on a continent, introduces a loss of information. Which country in Asia did I live in??

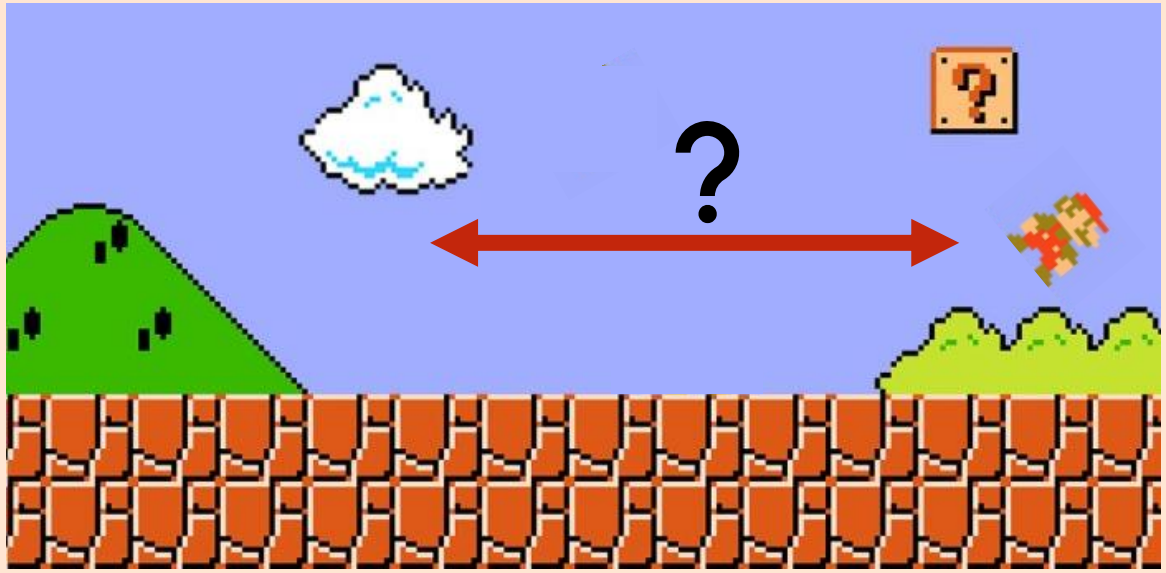
Determinism



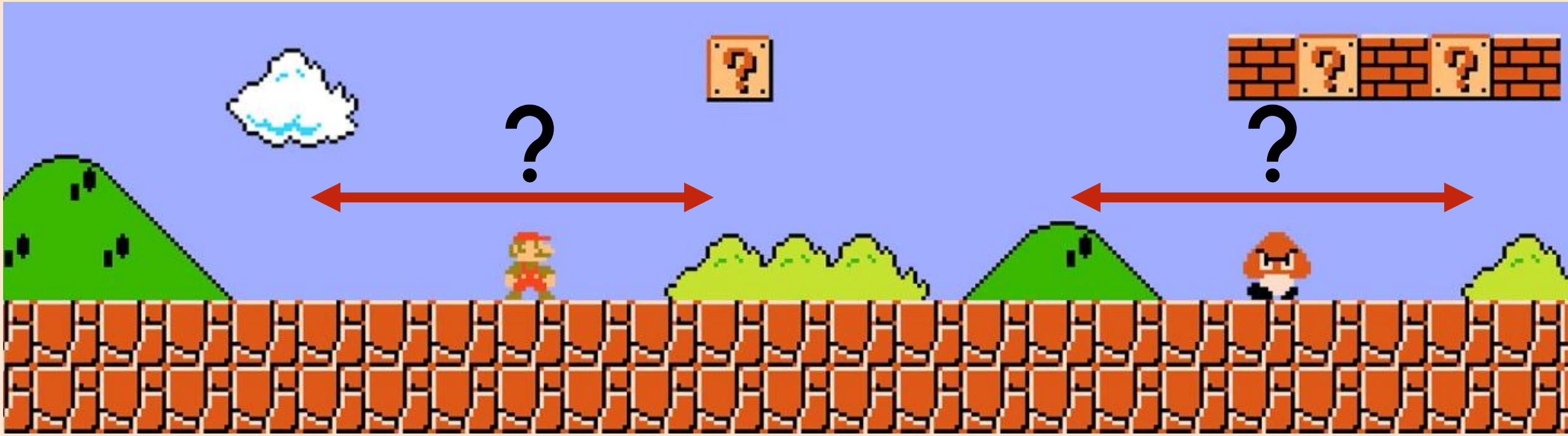
All our actions are pre-determined because it is governed by systems

Free-Will

Systems are chaotic so there no pre-determined events can be attributed to them



Compatibilists



Determinism and free-will can co-exist.

Ex. Mario and the goomba are free to go any way, but WITHIN a pre-defined system

Technological Determinism

The idea that technology will solve all social problems.

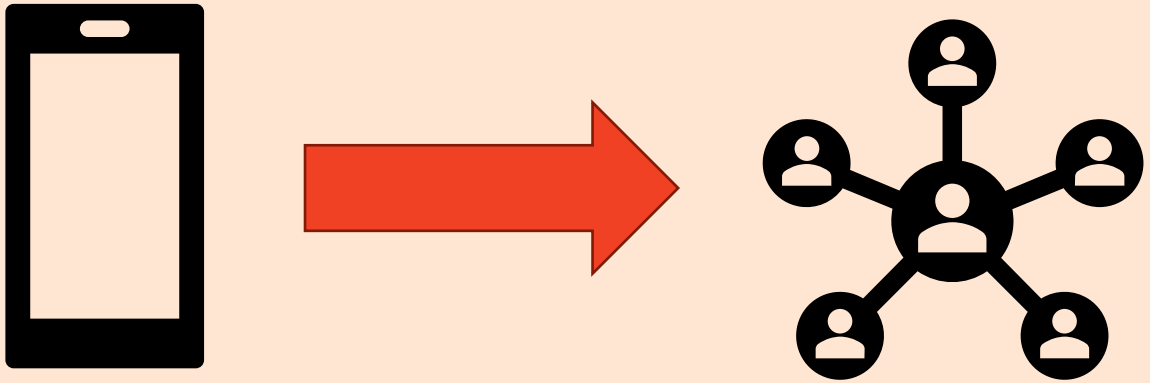
Example: We can “invent” our way out of climate change.

Technological Determinism

Technological Determinism

Technology

Society

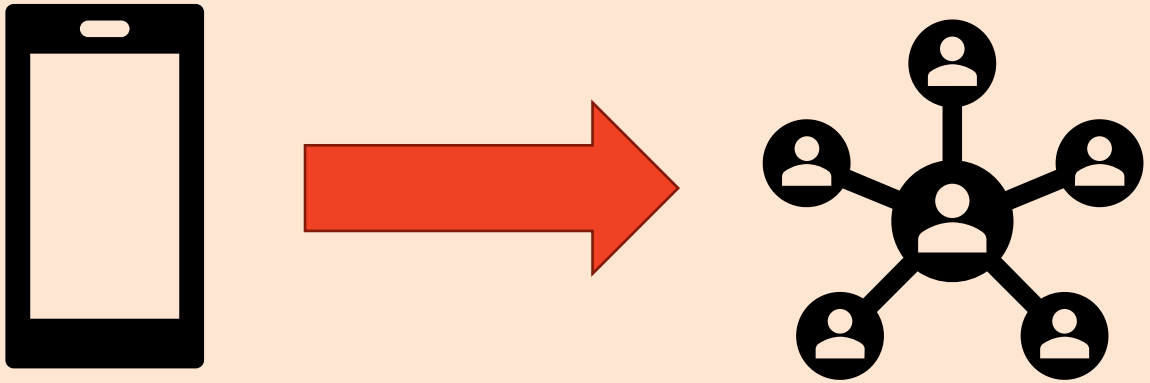


Technology is the force that changes **society**

Technological Determinism

Technology

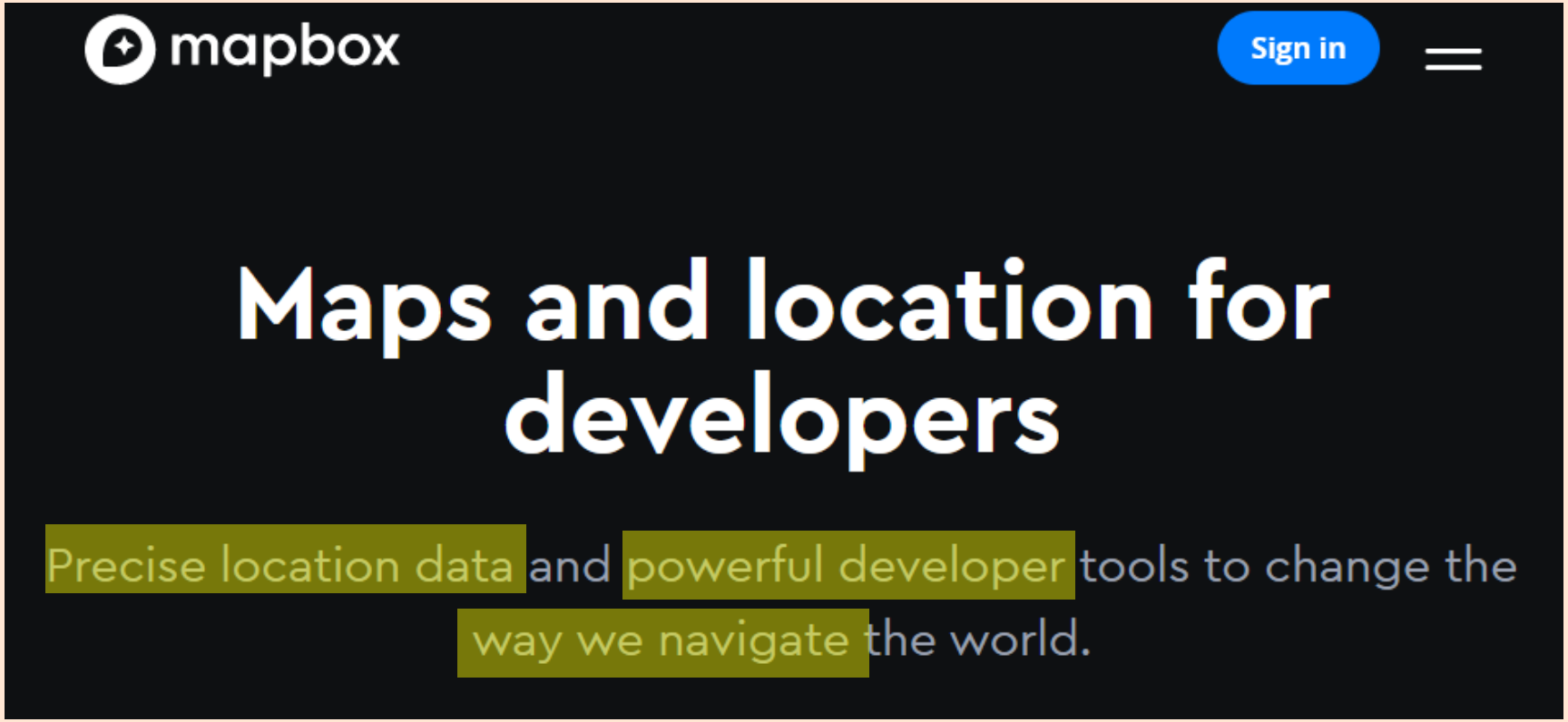
Society



“Phones will improve people’s life.”

Let’s apply this to mapping

Mapping Technologies

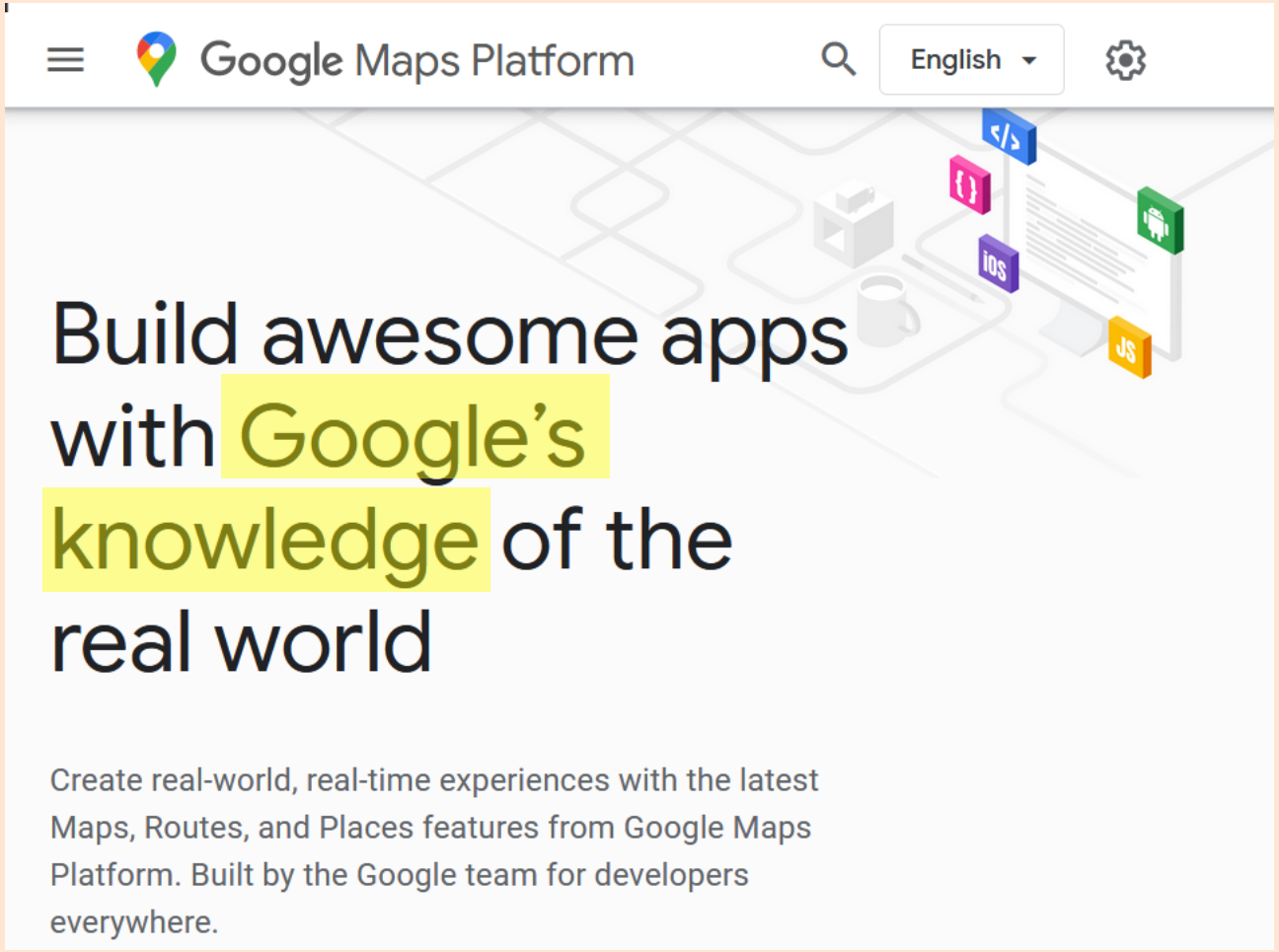


Mapbox is for DEVELOPERS!

Mapping Technologies

CARTO is for SPATIAL ANALYSIS

Mapping Technologies



Use Google's KNOWLEDGE to BUILD!

Mapping Technologies

Discover your POWER with ArcGIS!

Why are these examples problematic?

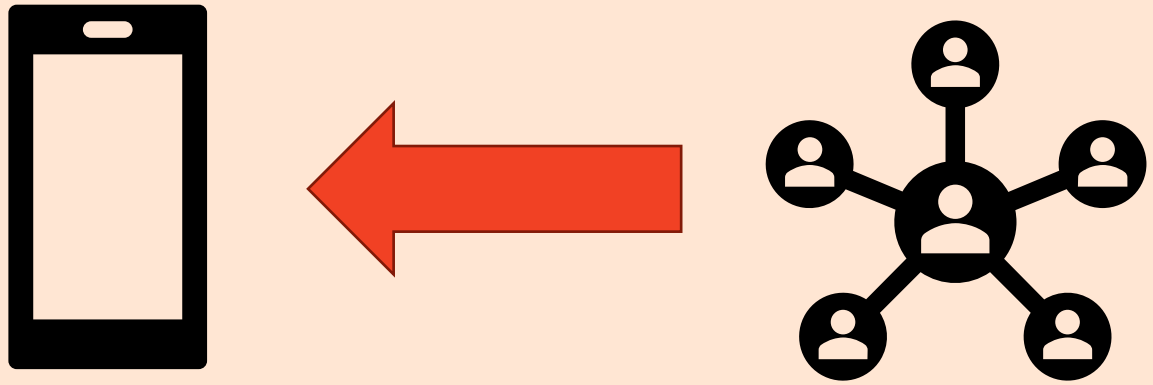
Separates society’s role in creating the technologies.

Social Determinism

Social Determinism

Technology

Society

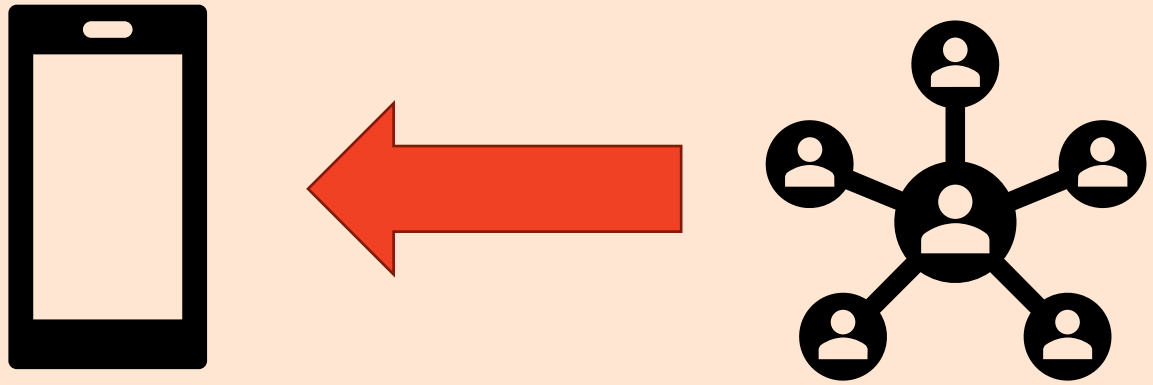


Technology is a result of the **society**

Social Determinism

Technology

Society

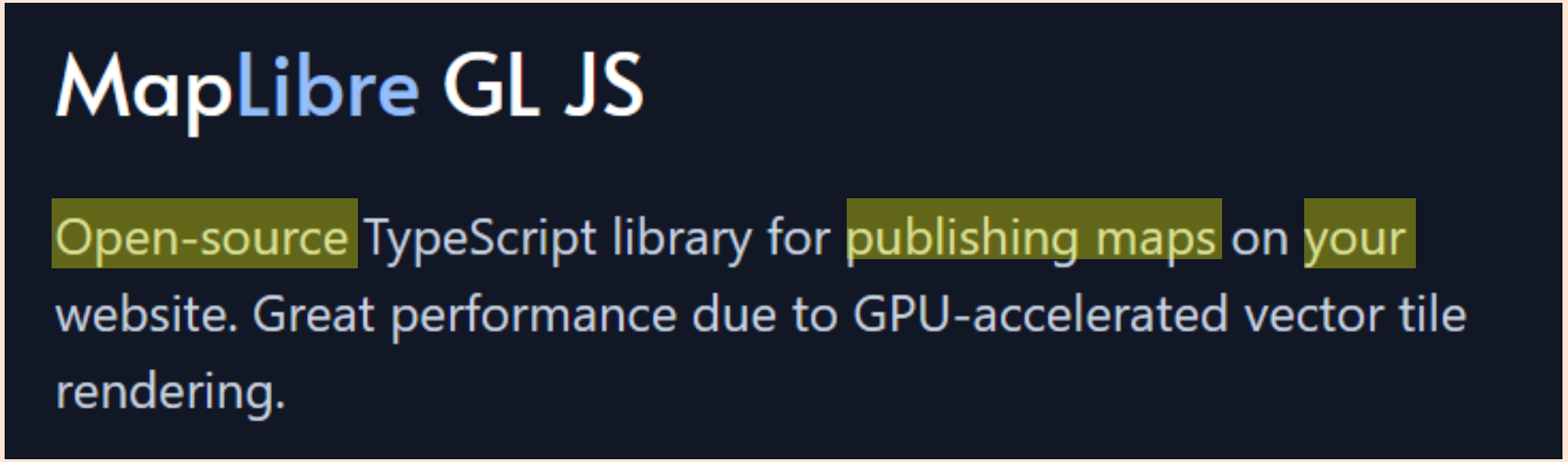


“People created phones to talk easier.”

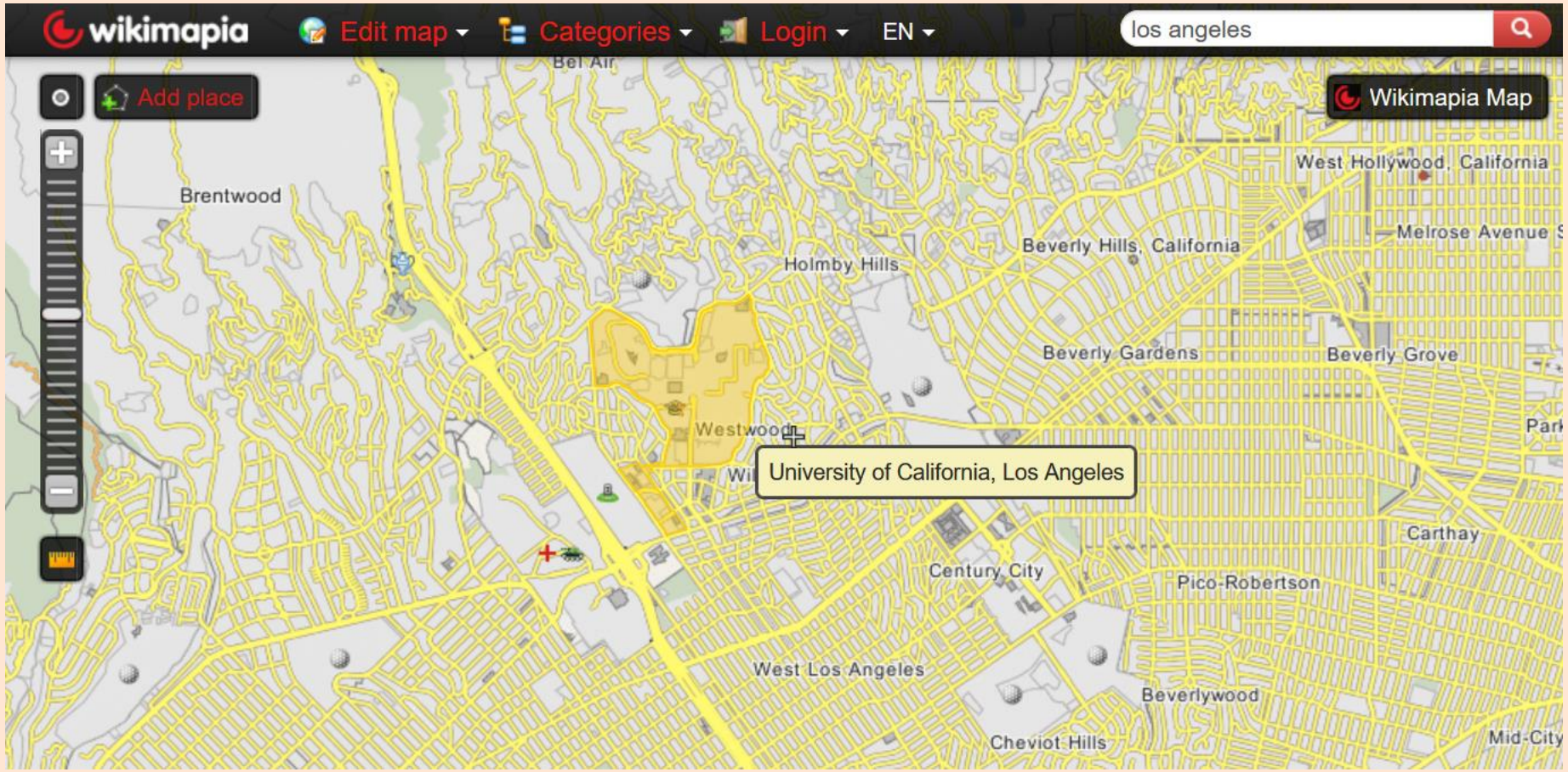
Examples

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

Examples


MapLibre GL JS
Open-source TypeScript library for publishing maps on your website. Great performance due to GPU-accelerated vector tile rendering.

Examples


wikimapia
Edit map
Categories
Login
EN
los angeles
Add place
Wikimapia Map
Brentwood
Holmby Hills
Beverly Hills, California
West Hollywood, California
Melrose Avenue
Beverly Gardens
Beverly Grove
Westwood
University of California, Los Angeles
Carthay
Century City
Pico-Robertson
West Los Angeles
Beverlywood
Cheviot Hills
Mid-City

Recapping

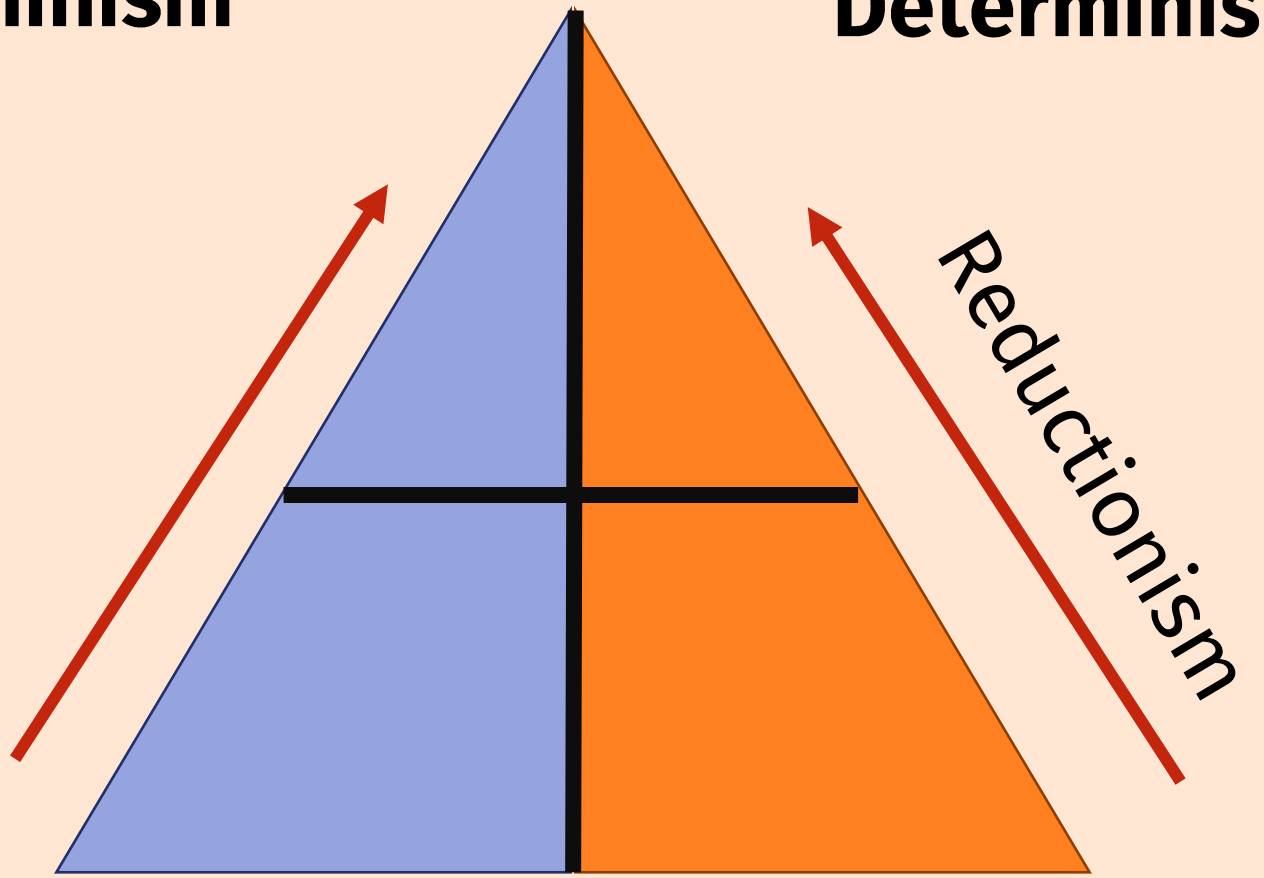
Technological Determinism

Vs.

Social Determinism

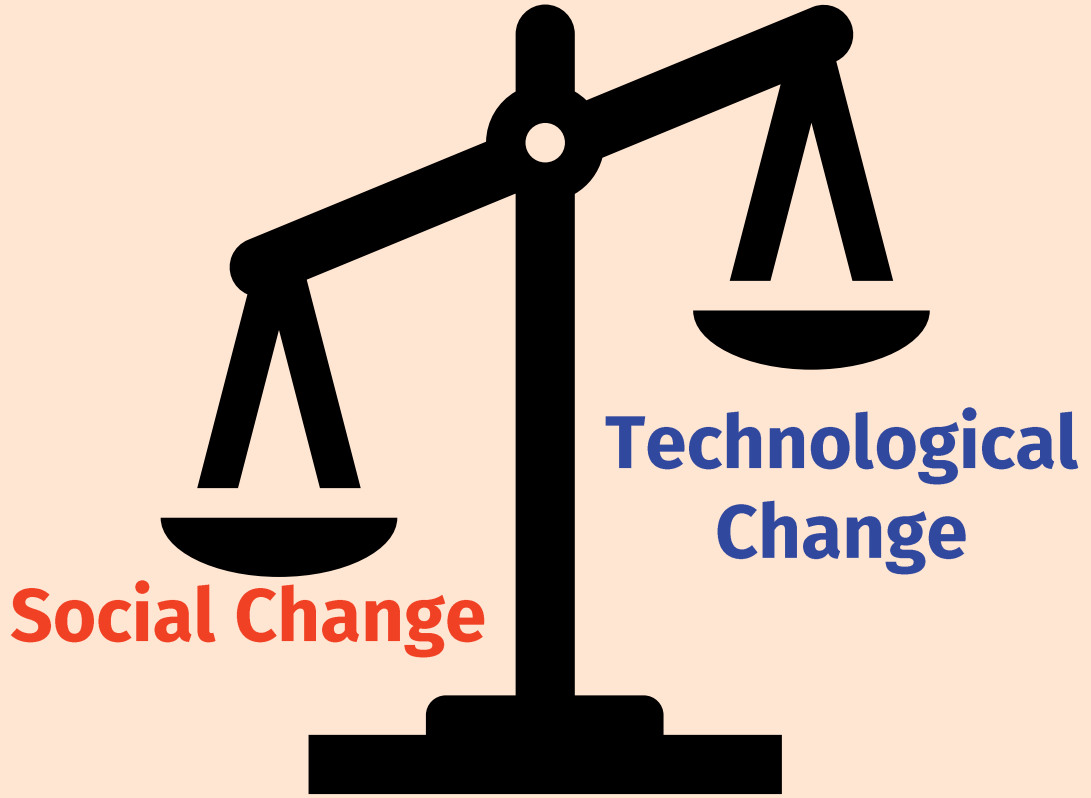
Hard

Soft



Main takeaway

Reductionism is problematic because it only re-aligns the balance in one direction.



Wait.. This is a technology skills class..
Shouldn’t we focus on technology solutions?

No, because.. It leads to...

Techno-Fascism

Technocracy/Techno-Fascism

Fascism – Oppression of opposing thoughts

Technocracy – Rule by only those with expertise

Techno-Fascism = **Fascism** + **Technocracy**

Technocracy/Techno-Fascism

Techno-Fascism – Rule by those with expertise that oppresses opposing thoughts

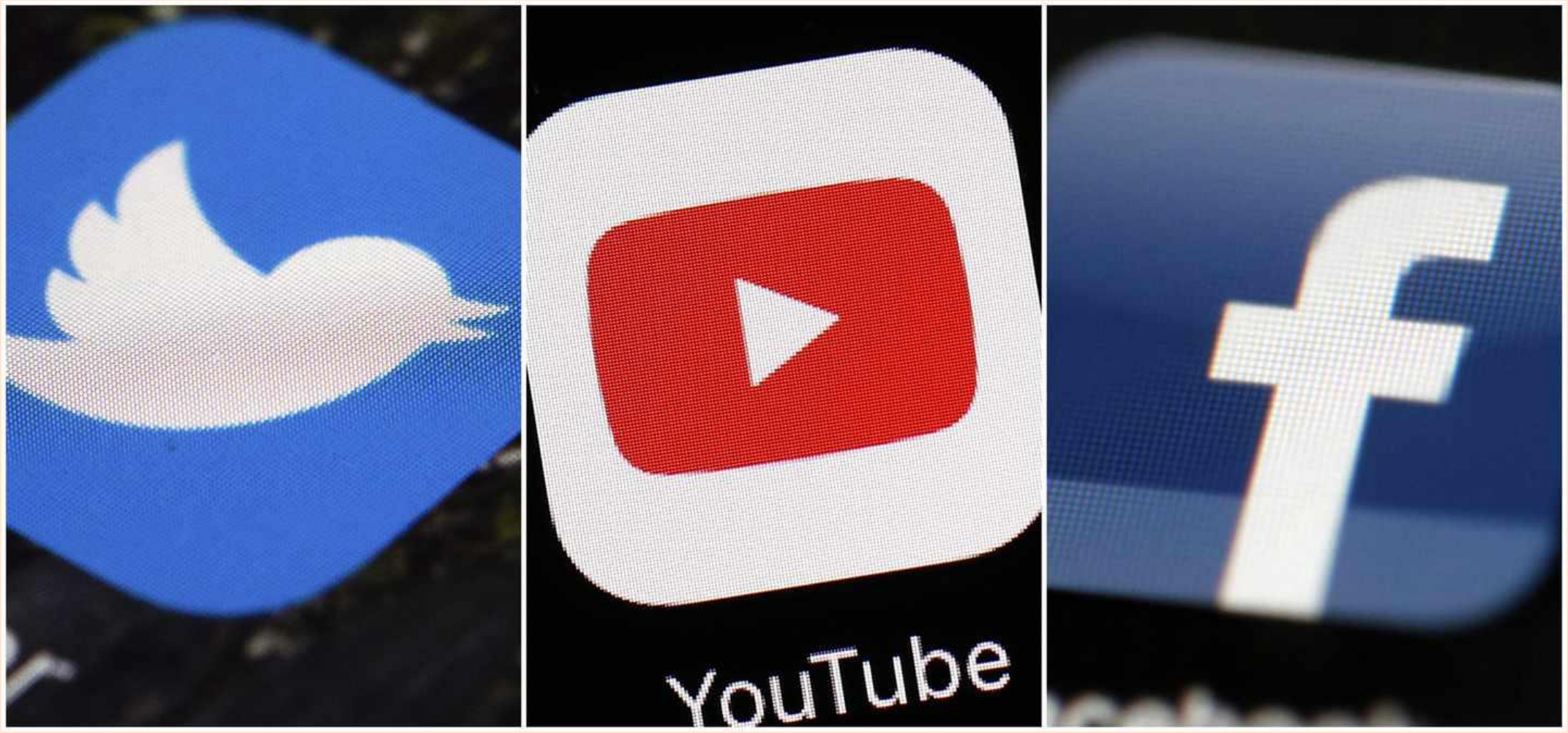
Techno-Fascism

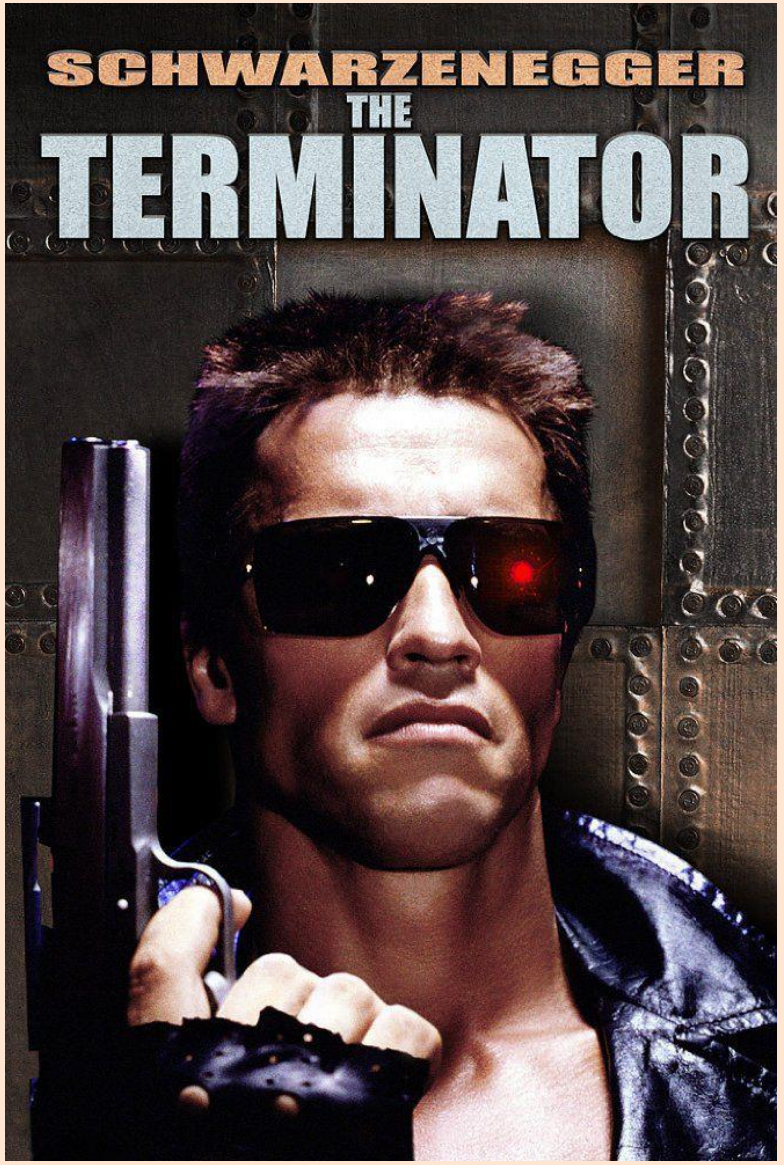
‘Unstoppable’ AI raises concerns, need for regulation

By: **Kathryn McNutt** // The Journal Record // April 13, 2023

“Big tech, machine learning, AI is too big and inevitable, people cannot stand up against it.”

Techno-Fascism





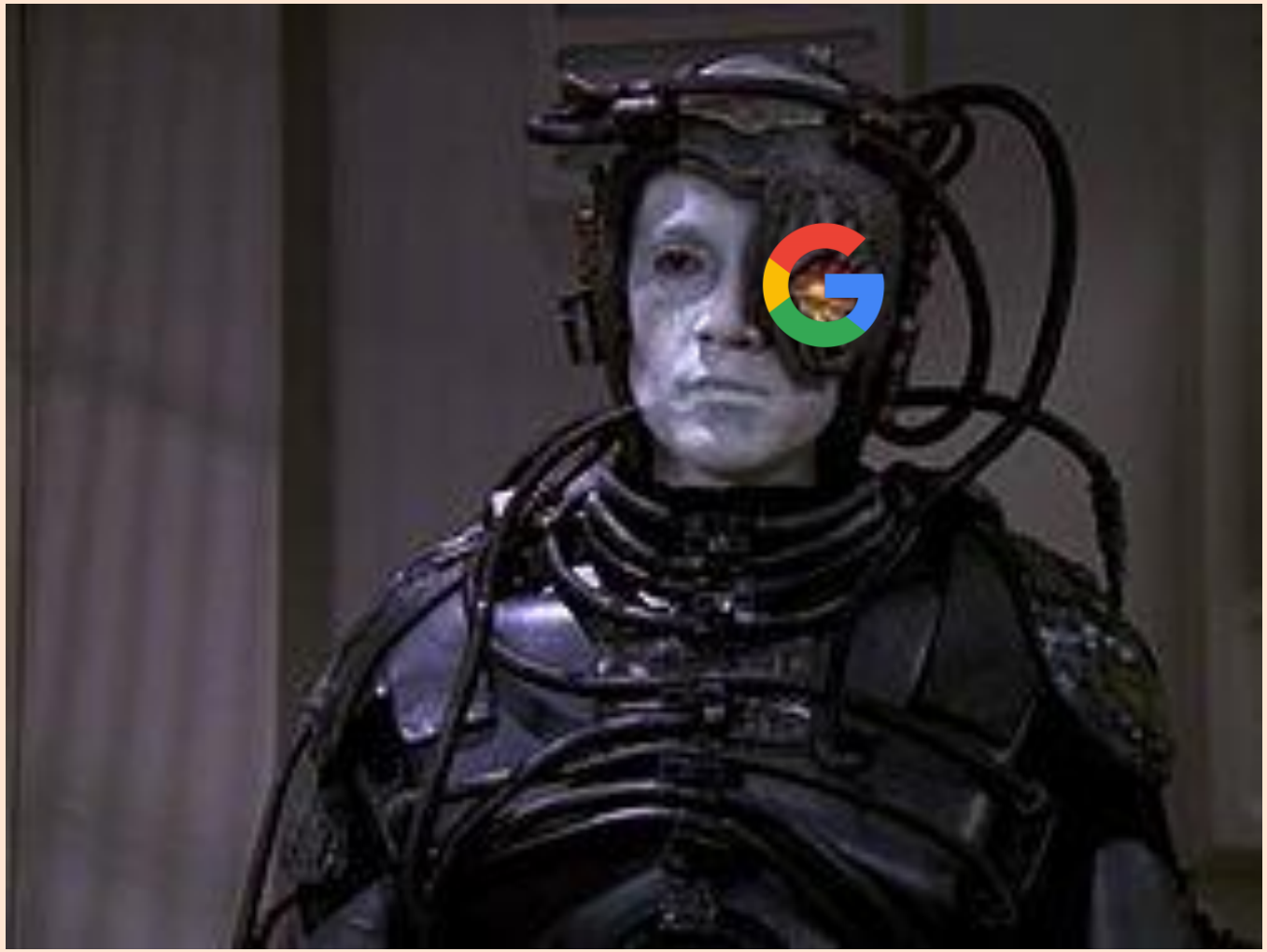
OF FREEDOM

Hasta la vista freedom

What it really means is

“I have more ‘technical’ skills and know more than you, so I am better than you, do not resist.”

-Every Big Tech CEO



Resistance is futile.

What it really means is

Commodification of humans as data points.

Fetishism of knowledge and technology.

Decouples the impacts of society on technology and vice-versa.

Is there an alternative?

Holism

“Some process or phenomenon cannot be broken into parts, and can only be understood as a whole”

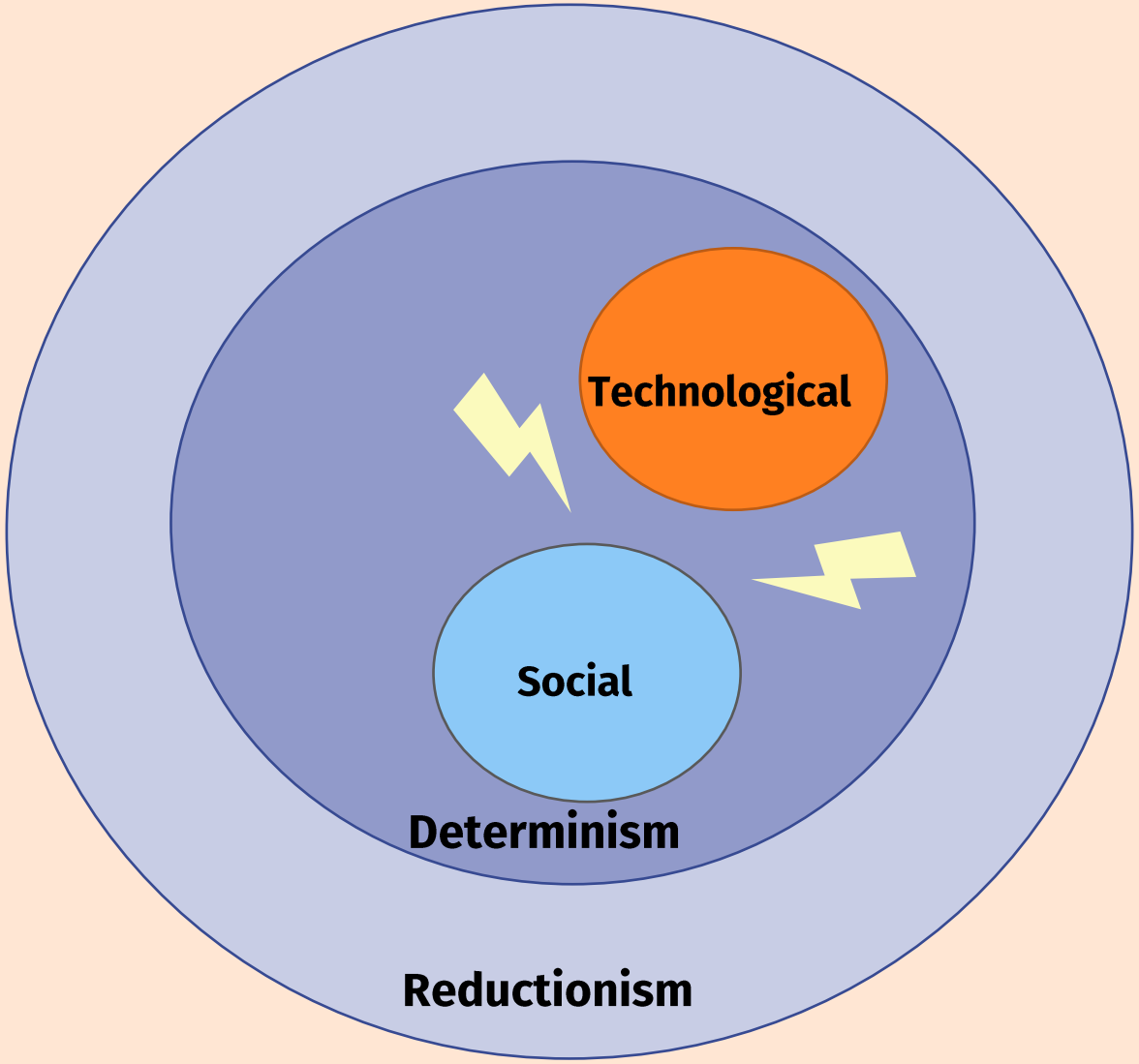
https://cseweb.ucsd.edu/~goguen/courses/275f00/s2.html

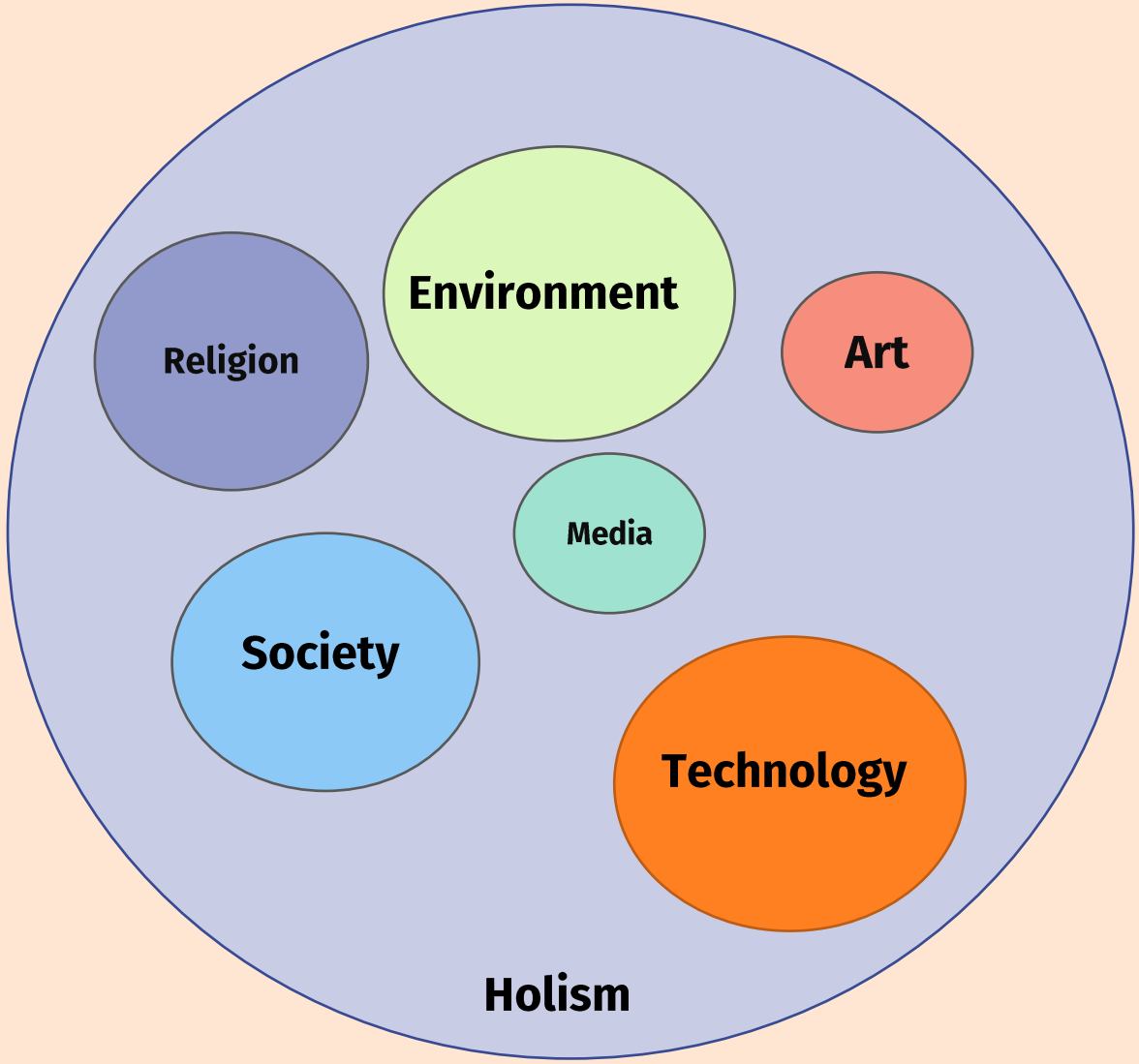
Reinforces the direct connection of technology and society.

Holism

Goes against western concepts of knowledge... but slowly being adopted, even in “hard sciences”

Reductionism vs Holism

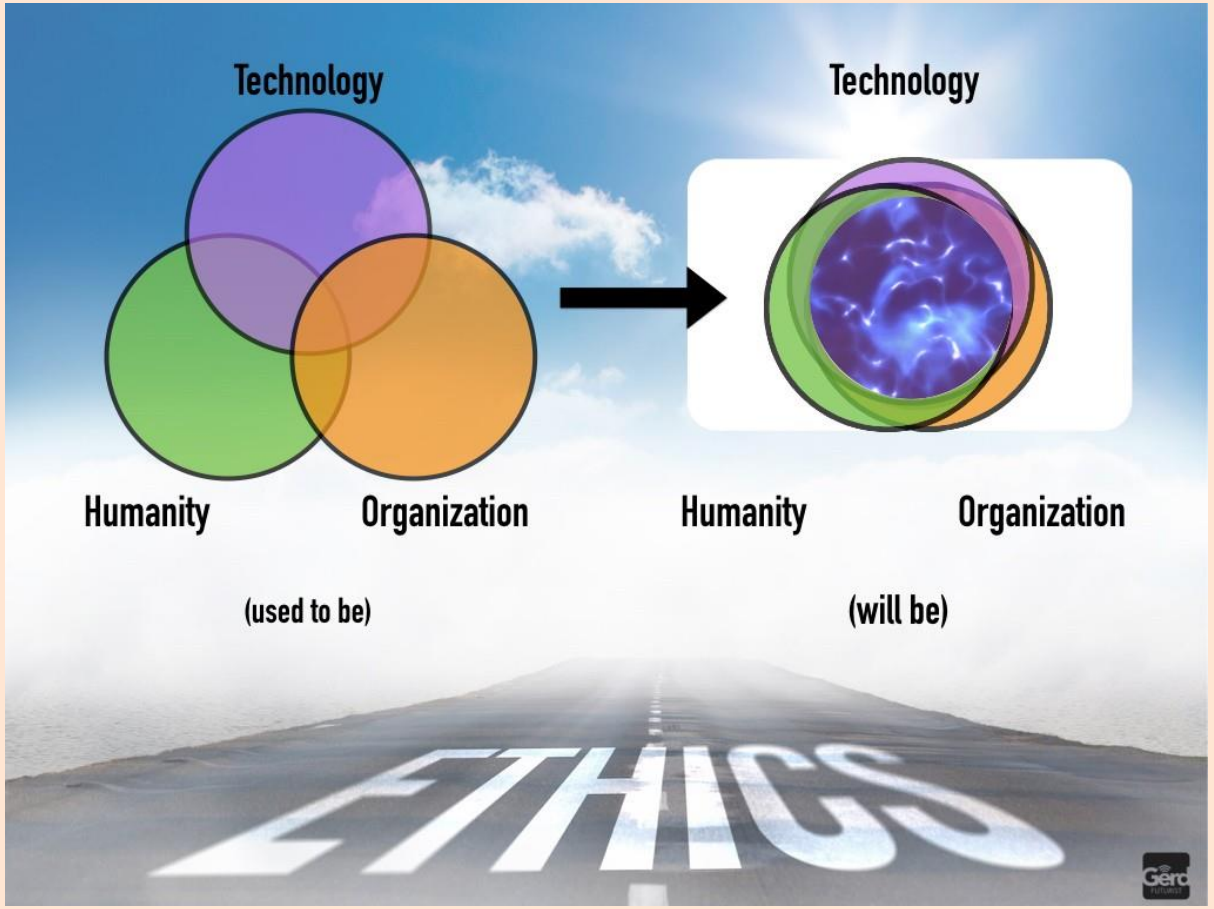




Eastern perspectives on holism

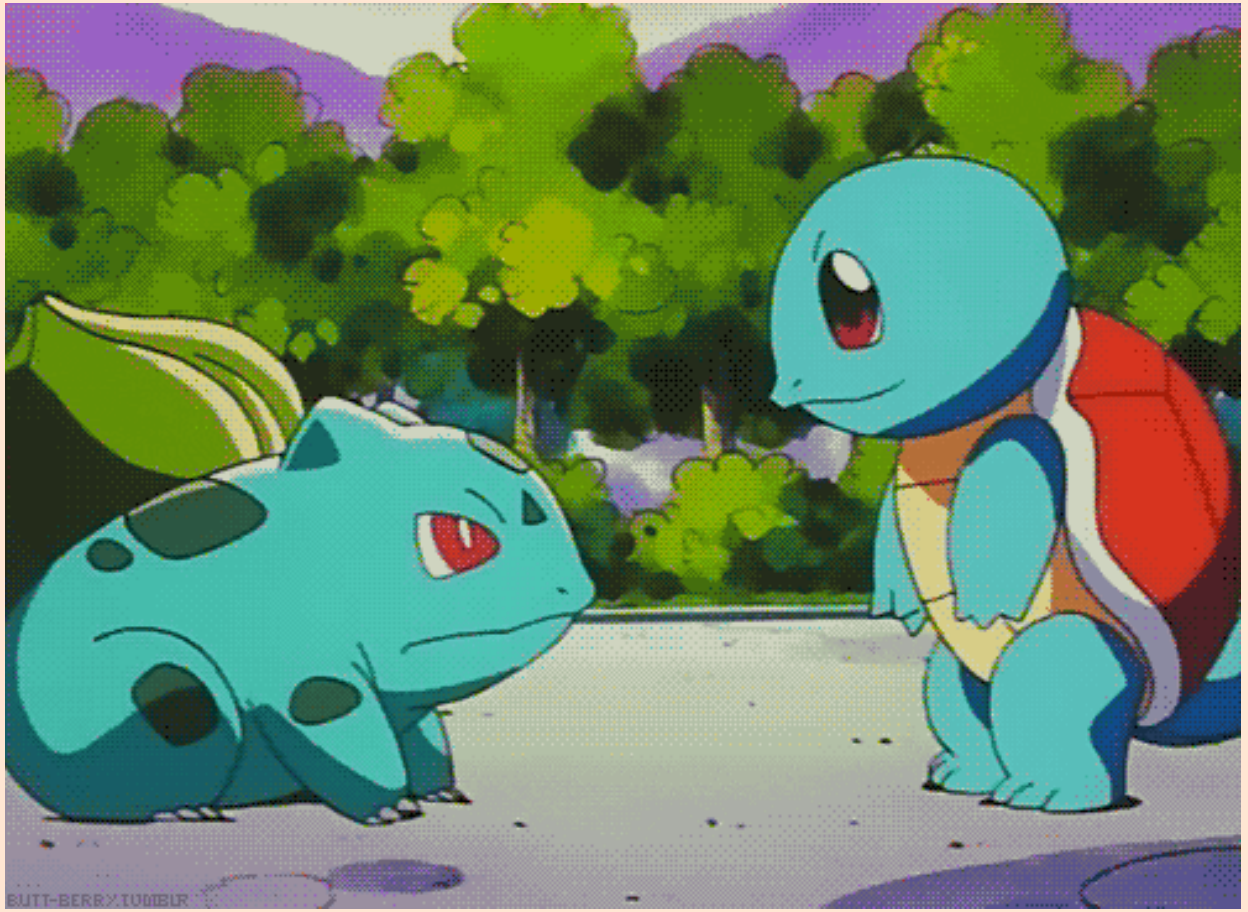
Buddhism and Hinduism believe in a middle path to describing our decision-making by connecting it to consequence of our actions.

What AA-191-About us?



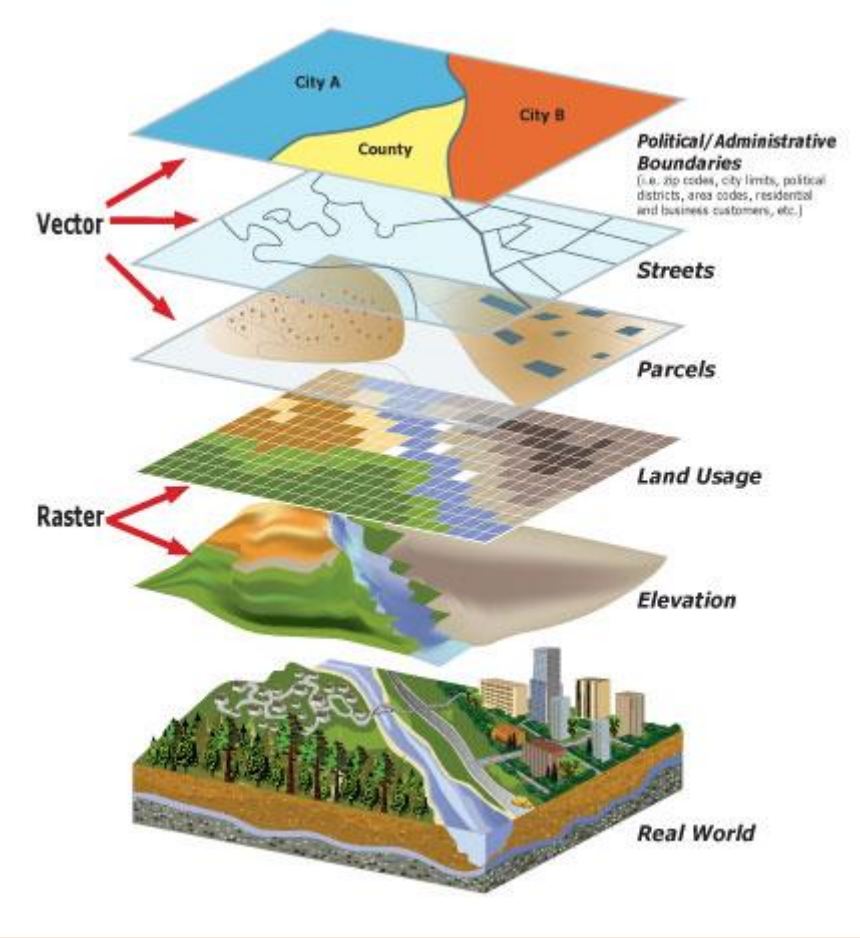
No surprise that this course in being taught in the Asian American Studies department then!

What AA-191-About us?

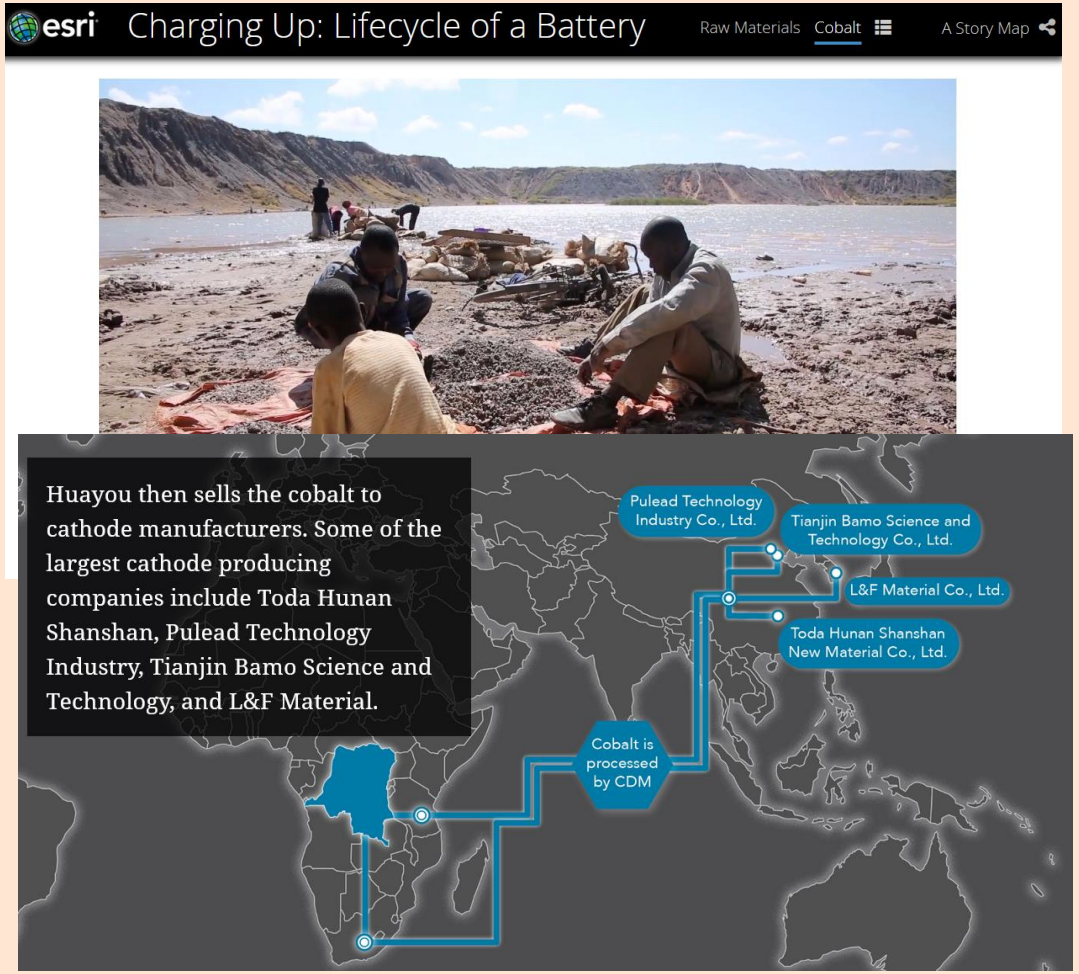


Your mental health, ability to ask questions, etc. allows the class to be better.

Holism in GIS?



Reductionism



Holism

http://storymaps.esri.com/stories/2017/batteries/index.html

Considering all we just covered.....

How to apply **holism** to mapping, beyond just Critical Cartography?

We will utilize two approaches

1. Tradition-based GIS
2. Design Justice

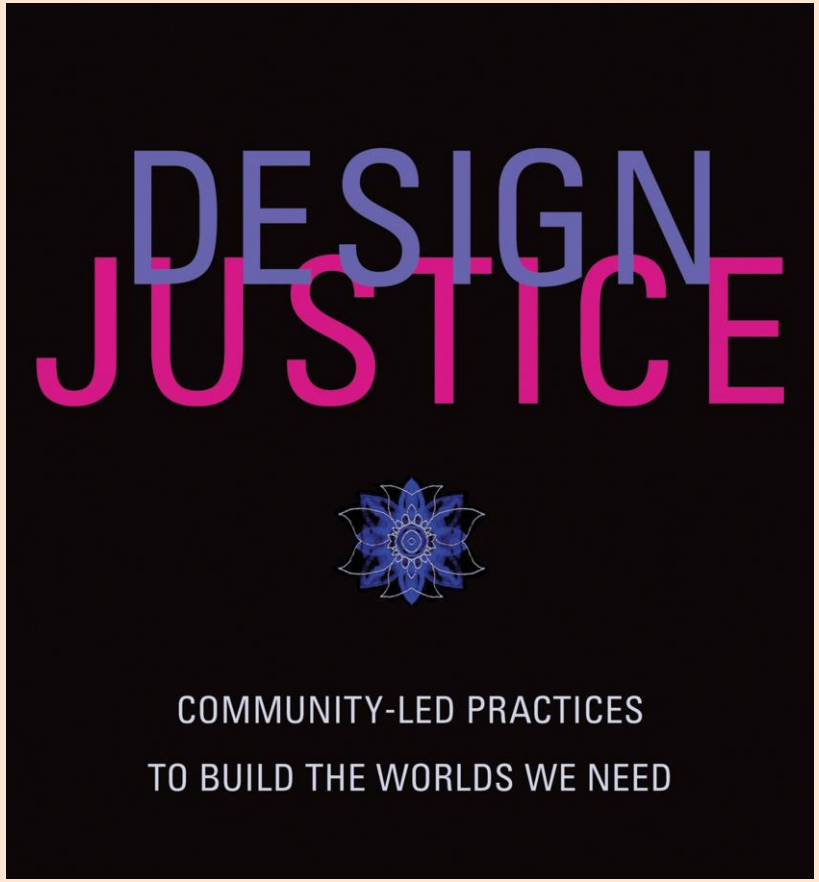
Focus on Tradition-based GIS

Tradition	Key Ideas	Example Publications
Queer(ing) Cartographies, GIS	• Recognize queer labor and lives present in production of knowledge/maps • Interrogate political, economic, and social relations present in software, algorithms, code used to produce maps	Brown & Knopp (2008); Gieseking (2018)
Marxist Cartography	• Visualize and map the contours of capital and state power • Interrogate how mapping serves interests of the state	Lacoste (1973); Toscano & Kindle (2015)
Indigenous Mapping	• Make claims upon ancestral lands to secure tenure and other rights • Simultaneously, potentially make said lands visible for looting and destruction	Chapin et al. (2005); Hunt (2013); see **Figure 3**

Practicing GIS that is rooted in empowering tradition and disempowering the institutions.

https://gistbok.ucgis.org/bok-topics/cartography-and-power

Design Justice



Practicing design that is centered on community-based justice.

https://gistbok.ucgis.org/bok-topics/cartography-and-power

In summary

Trying the same tactic of focusing on technology probably isn't going to solve our social problems because well...

These social problems are getting worse.

My ethics on technology and society:
Iterating towards holistic solutions together.

Thinking Cap for the week

Consider what are your ethical views when it comes to society and technology? How does it empower civil society?

Assignments

Due July 7/10:

1. Group Assignment #2 (end of day)
2. Pre-lab (optional)

Due July 7/15:

1. Thinking Cap #3
2. Weekly Reading

Memos!

Group Time

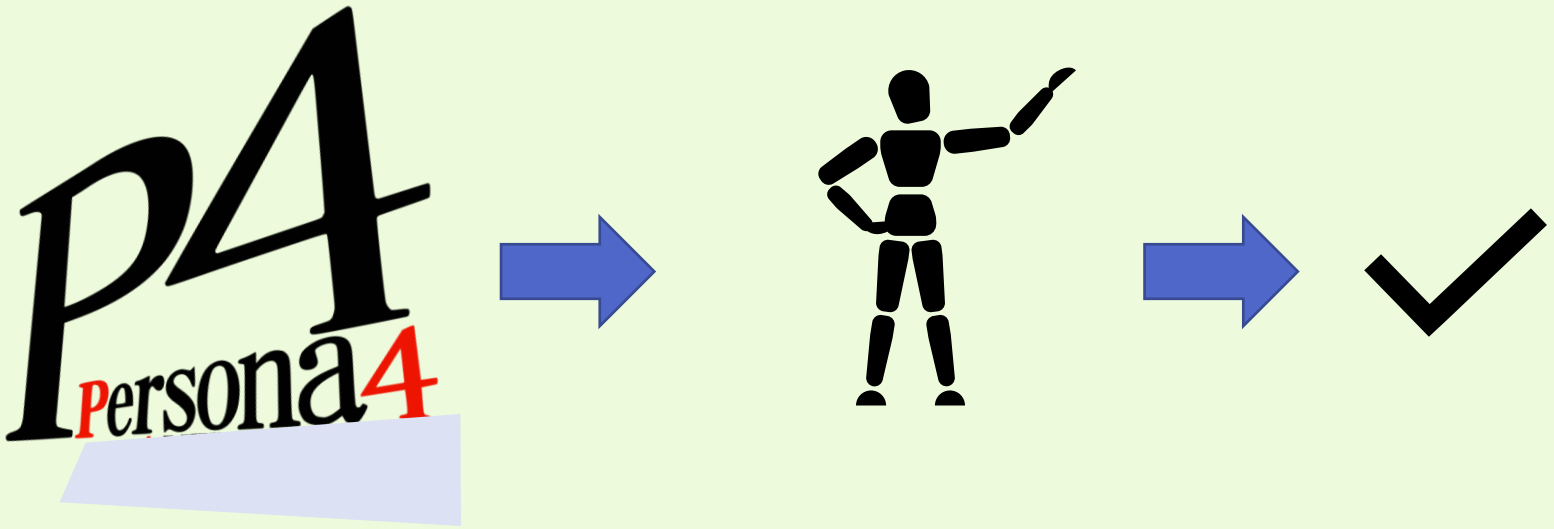
Group Assignment #2

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!!!!

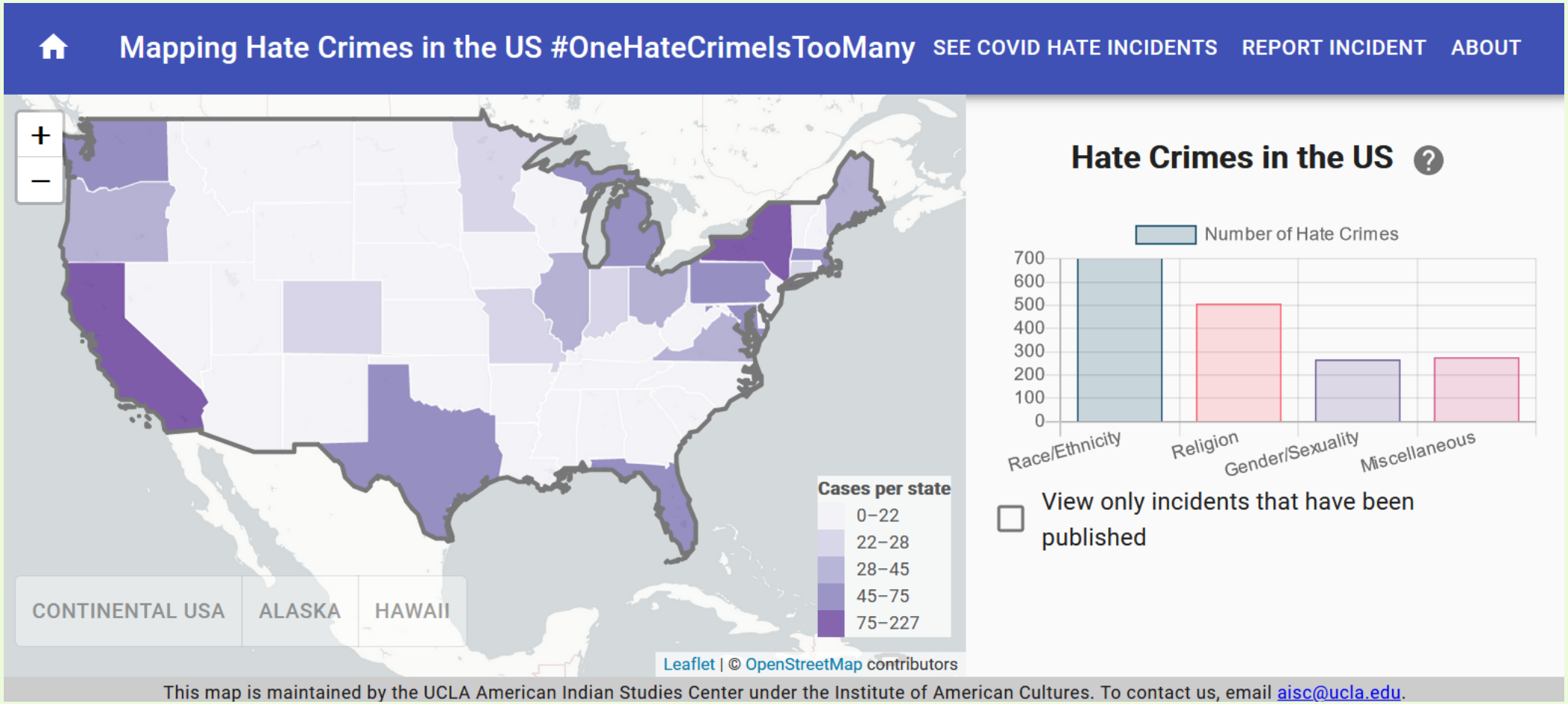
Memo: Revisiting User Stories



Memo: Revisiting User Stories

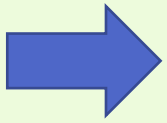
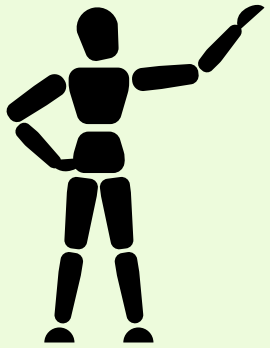
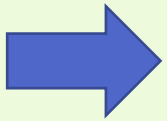
Broad goals your users should be able to use your website for.

Memo: Revisiting User Stories



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