



# Putting the “us” into Design Justice

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## Human Centered Design

**Logistics**

**Lecture**

**Group Time**

Join at  
**slido.com**  
**#ucla**

Albert Kochaphum  
Lecture 5 | July 22<sup>nd</sup>, 2024



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

Week Five got more puns than before our time is over next week! How are you feeling?





Join at  
**slido.com**  
**#ucla**

## Going into finals, extended office hours?

YES!!



No, get some sleep...



Keeping giving us ur weekendz too





Join at  
**slido.com**  
**#ucla**

## Last check, how was last week's workload?

Just right



Too much



Too little





Join at  
**slido.com**  
**#ucla**

## Going into finals, extended office hours?

YES!!



No, get some sleep...



Keeping giving us ur weekendz too

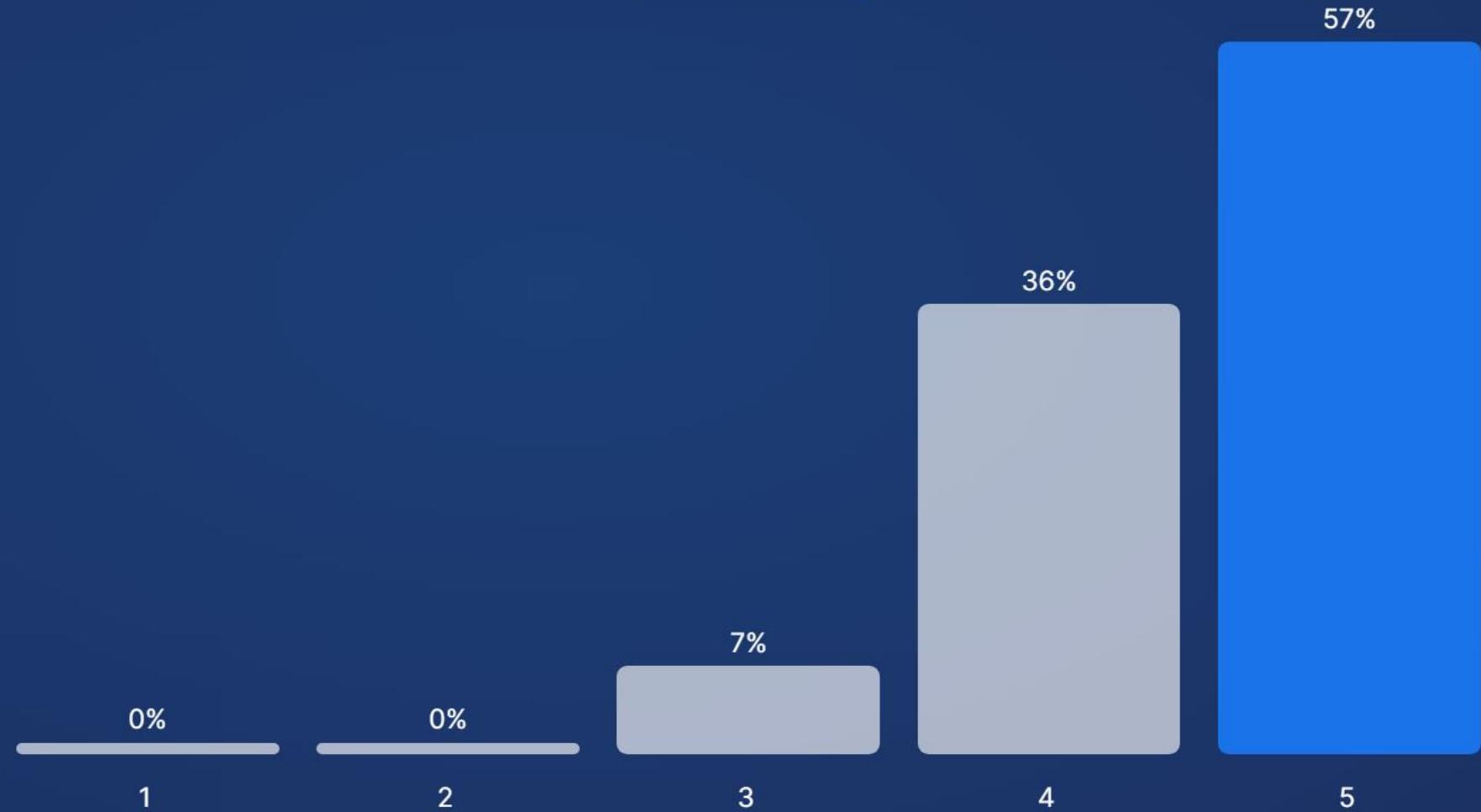




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**slido.com**  
**#ucla**

## How was the "Design Justice" reading?

Score: ★ 4.5



# **Logistics**

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## **Human Centered Design**



**Logistics**

**Lecture**

**Group Time**

# Group Assignment #4 due Monday!

## Group Assignment #4 - Rough Draft

Due 7/29

Create a functional (doesn't have to be pretty or clean) version of your mapplication using the survey from students in class.

This assignment will be graded on the following:

1. Fulfillment of the user stories set forth in the memo
2. Relevant functionality that is specific to empowering community voices
3. An updated `readme.md` for the repository that describes:
  1. The technology used for the project
  2. How others could use this in the future
    - Feel free to reference the memo
4. A very short 3-minute presentation answering:
  1. Who is the project for and why is it important?
  2. How does the website empower people?
  3. What changes you would like to focus on between now and the final? Why?

**Everyone is required to speak.**

**This is a rough draft!**

# **Reminder: Not many assignments left!**

- **1 Lab**
- **1 Thinking Cap**
- **1 in-class lab**
- **1 Group Assignment**
- **1 Final**

**Last ones!!!!!! (pun intended)**

# **Theme of the week**

**Designing for people and justice**

# **Putting the “us” into Design Justice**

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**Human Centered Design**



**Logistics**

**Lecture**

**Group Assignment**

# Alwards

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**Human-Centered Design**

**Logistics**



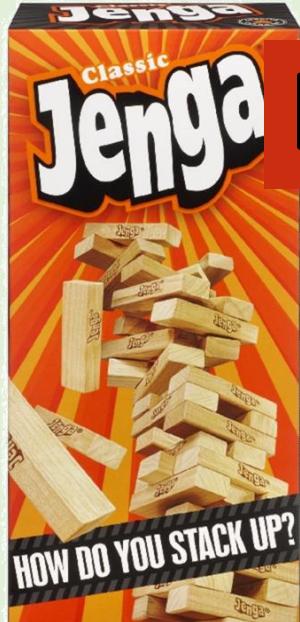
**Alwards**

**Design Justice**

**Data Justice**

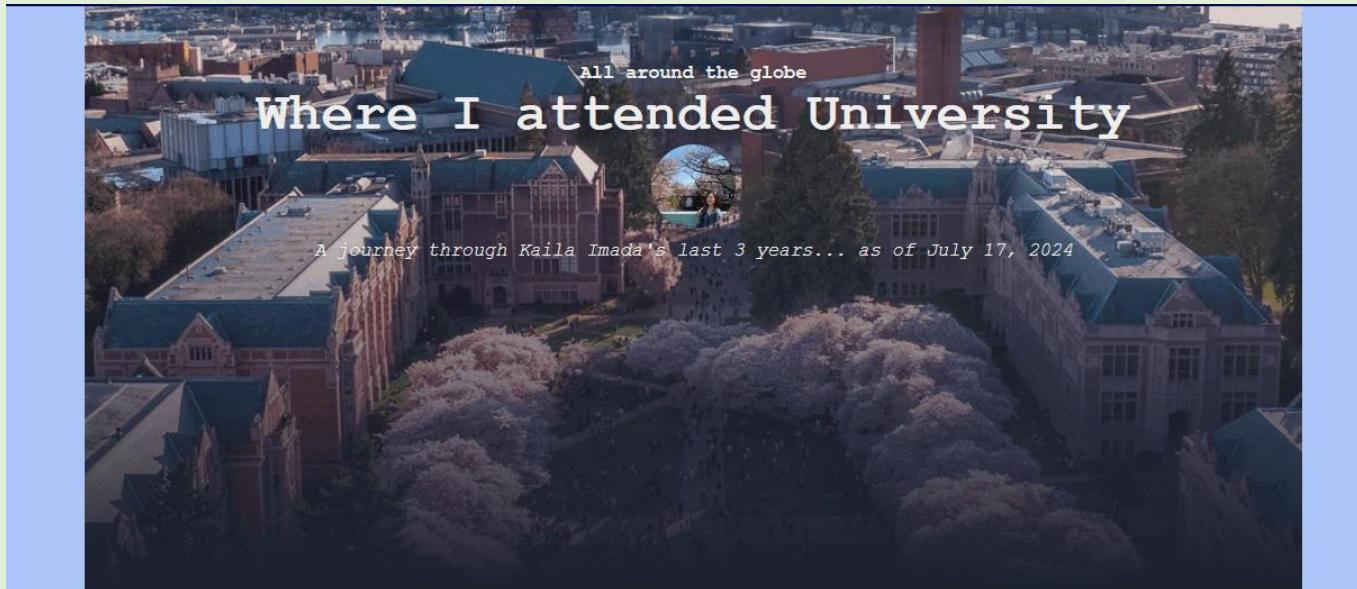
# BOARDGAME ALWARDS





# CREATE VIDEO HEADER AND BUTTONS

Kaila Imada



LMU

University  
of  
Washington

KUIS

USC

UCLA



# COOL MACHI KORO CALLING MARKERS TO AN IMAGE GALLERY!!



## Michelle Zhao

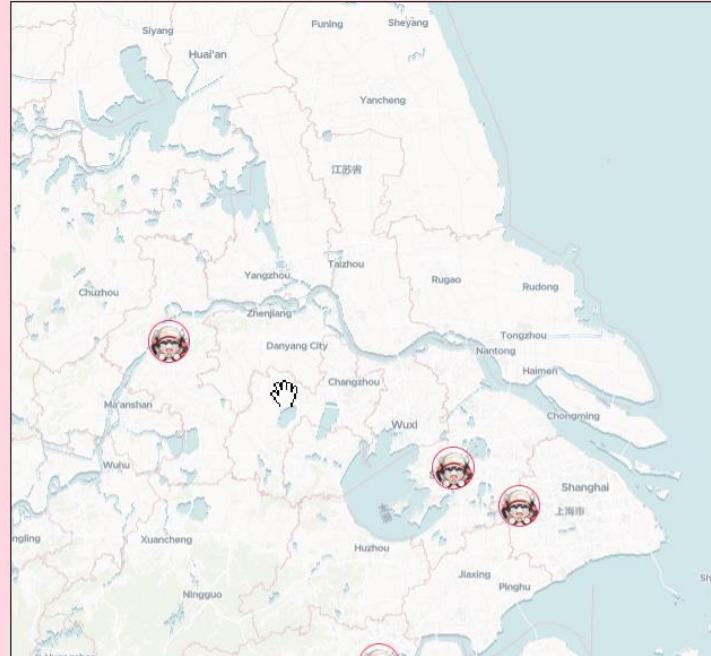
### ABOUT ME! ^\_<☆



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 course project will better inform me in achieving this!

In my free time, I like to draw and watch anime. My favorite artists are:

### WHERE I WENT!



DEFAULT VIEW



SHANGHAI



HANGZHOU



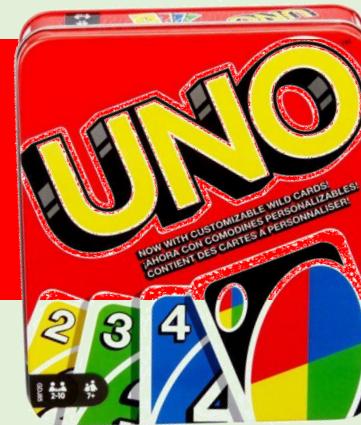
SUZHOU



NANJING

<https://zhamic7.github.io/aa191a-labs/week3/>

FOR SURE



MORE ABOUT  
DESIGN THAN ME!

Justine Lim

LAB #3: GEOJSONs & LOOPS

A map of Los Angeles, California, showing the coastline and major roads. Several icons are placed on the map, including a portrait, a beach chair, a beach ball, a picnic basket, a tree, and a small building. To the right of the map is a vertical list of locations, each associated with a colored bar:

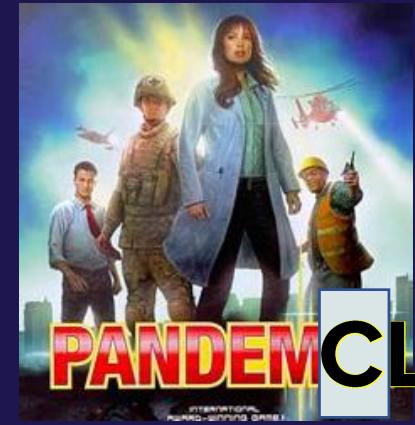
- THE GETTY VILLA
- DOCKWEILER BEACH
- BARNSDALL PARK
- KENNETH HAHN PARK
- WESTFIELD CENTURY CITY
- LITTLE TOKYO

WAYS TO SPEND A DAY IN LA!

copyright (2024)

ALL MY LABS: #1 #2 #3 #4

<https://stinstest.github.io/24su-191a-labs/week3/index.html>



# PANDEMCLICK ON THESE AMAZING BUTTONS

## Sadhana Jeyakumar

Lab Assignment #3 - GeoJSONs and Loops (🔊)

**Lab #1** **Lab #2** **Lab #3**

### Sadhana's Favorite Escape Rooms in SoCal!

Unlocked

Enchanted Escape Room

The Basement

101 Escape Rooms

Maze Rooms

My Greatest Escape

Interested in sharing and reading about other people's escape room experiences? Click the button below.

**Take Survey**

A map of Southern California, including parts of Los Angeles, Orange, and Ventura counties. Seven orange key icons mark specific locations: Fillmore, Santa Clarita, Thousand Oaks, Glendale, Los Angeles, Huntington Beach, and Mission Viejo. The map also shows major roads like I-5, I-118, I-210, I-605, I-710, and I-241, and various cities and towns.

MapLibre | © MapTiler © OpenStreetMap contributors

Copyright (2024)

<https://sjeyakum.github.io/24su-aas191a-labs/week3/index.html>



Alan R. Moon  
**EALLY YOU WOULDN'T TURN  
THIS LATE, BUT YOUR EFFORT  
WAS TOO GREAT**

## Nellie Nguyen

7Leaves

Da Vien

Phin Smith

Yummy Bakery



Where to find the best Vietnamese Coffee in SoCal!

Westminster

Garden Grove

Bolsa

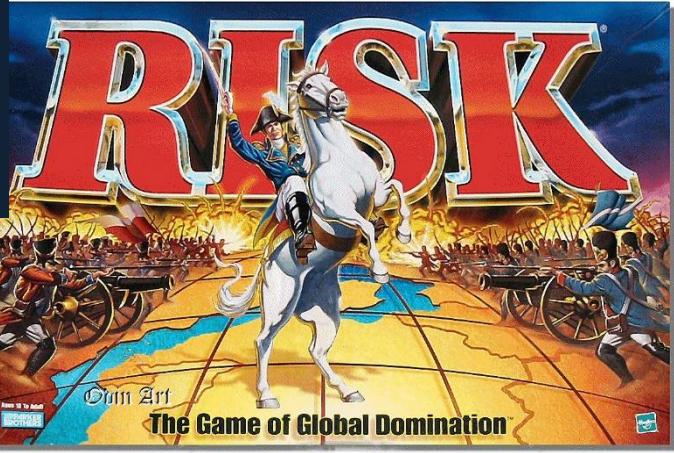
Goldenwest

<https://nellienguyen149.github.io/24su-asianam-191a-labs/week3/yummy.html>



<https://nellienguyen149.github.io/24su-asianam-191a-labs/week3/yummy.html>

# NICE B



# RISK RESPONSE!

## Keiya Wada

I think design justice is a very important field... society is moving towards valuing the concept of diversity, design justice has become prominent in recent years. Open-source projects would definitely benefit from design justice, as open-source projects are easily accessible to anyone, and we want to really think about how to design the map and questions in order for the map to not become a tool to limit certain perspectives. Because I have already experienced **accidentally phrasing questions** in a way that forces assumptions onto the surveys, I want to keep this **concept of design justice** in mind and make create a project that truly empowers the community's voice.

# EXCELLENT



## RAPPLING WITH WHO AND WHY YOU ARE DESIGNING FOR

### Jasmine Reyes

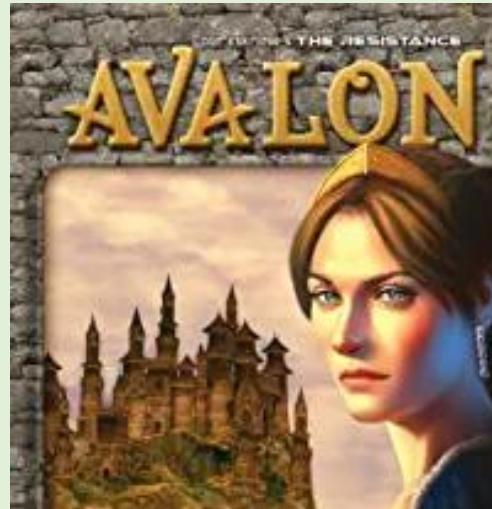
I think design justice is a crucial aspect to web development and ensuring that we are accessible and inclusive. The reading mentioned, knowing **who "you are designing for"**, knowing what values you have while designing and I think that stuck to me the most. Especially in terms of **our final project**, I think it is easy to get lost in creating the design that we may forget who we are even designing for, **many of us are designing for organizations and not just a good grade** in this class.

# EXTREMELY COMMENDABLE CATANALYSIS OF DESIGN JUSTICE IN OPEN SOURCE

Michelle Zhao

I believe that open-source projects would benefit from design justice. Compared to commercial products, open-source projects are community-based and not as profit-driven, which means they have more potential to be inclusive and empowering. However, they currently fall short of this expectation due to the lack of emphasis on design justice in this community: the groups (e.g. engineers) that contribute to open-source projects are still mostly cisgender men that are White or Asian, meaning that many of the design assumptions and decisions made are largely shaped by the experiences of said groups.

Nice



LONG term view about design justice

Kiana Tran

Design justice is a very important progression towards inclusivity within science and technology. Personally, I find the concept of design justice very inspiring if it can be brought into practice entirely. What I mean by this is that the framework, as described in the ideal process, is **highly idealized**. As long as there are corporations that are fueled by capitalism, a **completely non-exploitative and community-based process is not yet achievable**. That being said, as a "**living document**" that is being worked towards, once we can achieve this framework, it would be highly beneficial to serve the community better while having the community help improve science and technology to be more inclusive and progressive.



# OPERATIONAL EXAMPLES!

Nellie Nguyen

Based on the introduction to the paper where it defines the scope of the Design Justice Principles, specifically with the gathering of community designers and organizers to challenge institutions and groups in power. I believe these **aspects align well with open-source** projects where they have similar goals of accessibility to the **general public** and ensuring **transparency**. **Open-source projects are what allow people** to know and understand their intentions and the changes they make without anything being hidden behind the walls of close-sourced projects, and from this reading, design justice seeks to empower the community in a similar way with a lens of creativity.

One portion of the reading that stood out to me in relation to my own designs/project in this class was the "**Users**" section....



SUPER

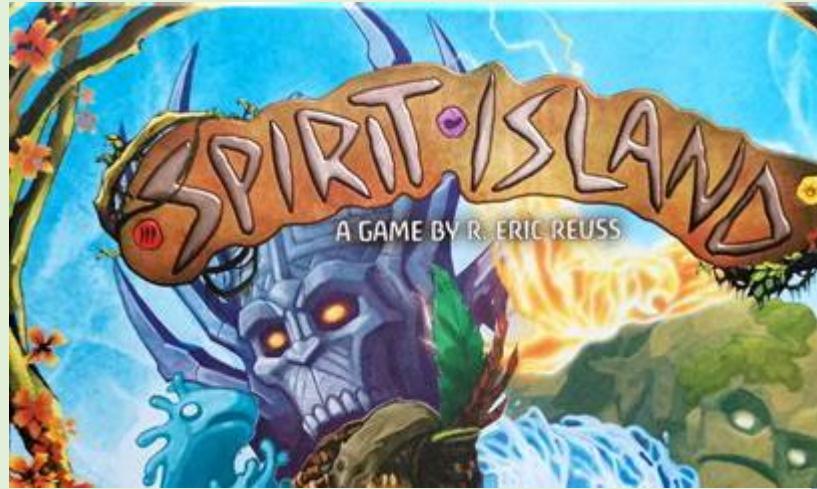
SANTORINI

DR. GORDON HAMILTON

FTY EMPHASIS ON DESIGN  
JUSTICE EVOLVING

## Sadhana Jeyakumar

"I think it's easy to forget that justice can look very different depending on the context and perspective, so defining design justice with **static** guidelines would overlook important nuances in social issues and marginalized groups... This approach would undermine the very idea of fostering change and working towards justice by focusing on a more rigid problem-solution mindset that only works in a single moment, **failing to consider the evolving** needs of the community. ). I think the emphasis on **growth here is crucial** because perspectives and applications regarding design justice should be allowed to change so that we can learn and adapt alongside it



# joyed reading your points and applications of Design Justice in open source

Sachi Gill

Design justice is a really important framework that should be applied when going through the design process, as it's important to consider all the ethical aspects involved. I believe **open source** projects **would benefit**, as encouraging community engagement and fostering a participatory approach along **with active collaboration**, will help produce more equitable designs and address any biases or inequalities that may arise, rather than if **only the designers were solely in charge** of these decisions.

# Design Justice

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**Putting the “us” into Design Justice**

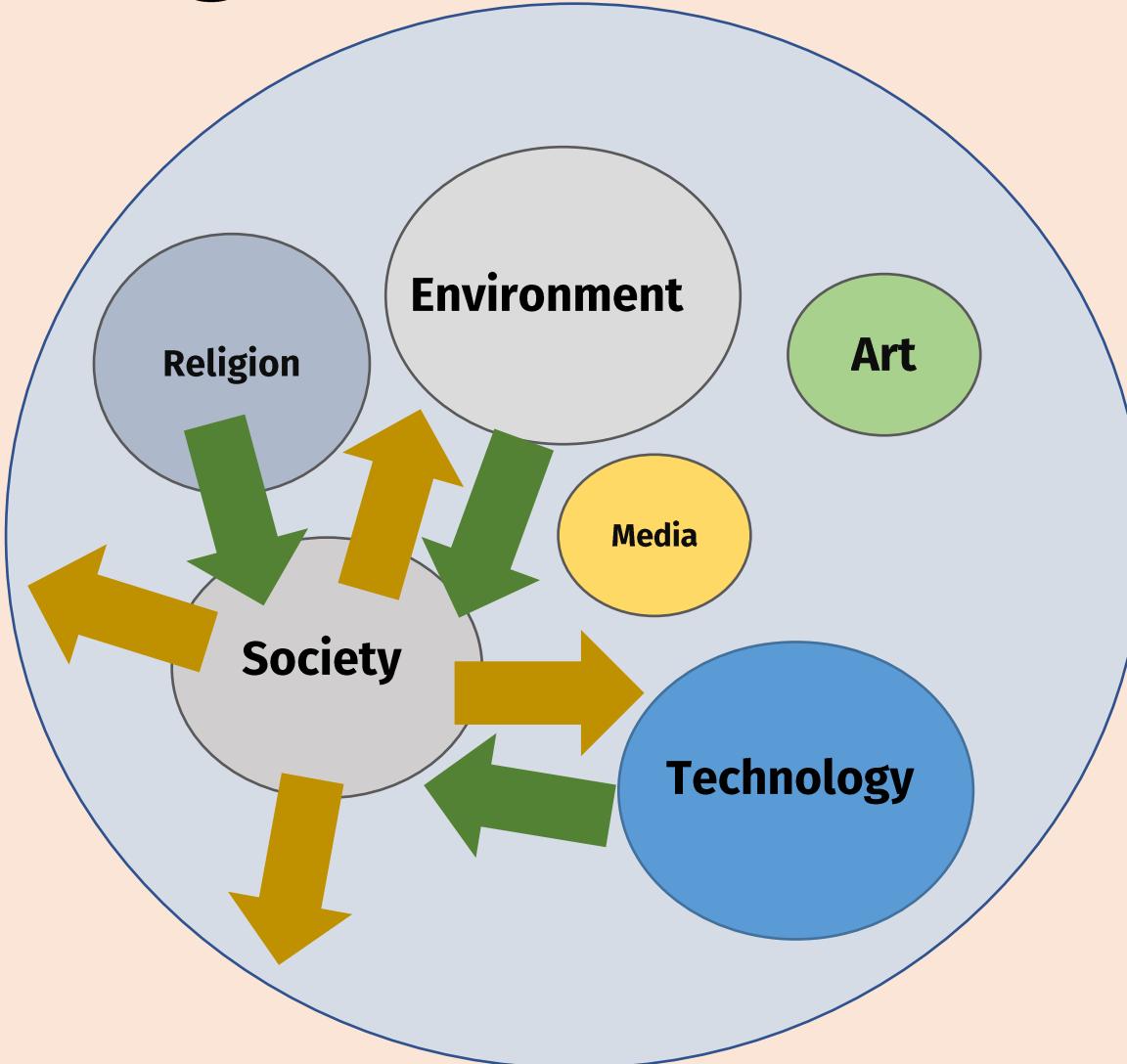
**Logistics**

**Alwards**

**Design Justice**

**Data Justice**

# Design Justice.....



Pushes back from the interplay of other forces, by healing, sustaining, and empowering civil society

**What do you do when.....**

**Science and Society are at odds....**

# How do you apply design justice here?

THERE THEY GO | MAY 5 by DAN ROBITZSKI

## Biotech Company Officially Unleashes Gene-Hacked Mosquitoes in Florida

After a decade of local resistance, Oxitec got its way.

/ Hard Science / Environment / Genetics / Mosquitoes

<https://futurism.com/biotech-unleashes-gene-hacked-mosquitoes-florida>

# How do you apply design justice here?

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## Florida approves extension of field trial of GE mosquitoes despite concerns

*But scientists, environmental groups and public health experts warned that the Florida Department of Agriculture's (FDAC) approval for Oxitec's continued field trial came despite major health and ecosystem concerns.*

By **Ashley Curtin** - May 6, 2022

👁 485

<https://www.nationofchange.org/2022/05/06/florida-approves-extension-of-field-trial-of-ge-mosquitoes-despite-concerns/>

**“Who” you choose to empower is more difficult than the technical “what”**

# What about people rejecting vaccinations?

## *Reaching ‘Herd Immunity’ Is Unlikely in the U.S., Experts Now Believe*

Widely circulating coronavirus variants and persistent hesitancy about vaccines will keep the goal out of reach. The virus is here to stay, but vaccinating the most vulnerable may be enough to restore normalcy.



By [Apoorva Mandavilli](#)

Published May 3, 2021 Updated May 7, 2021

# What about people rejecting vaccinations?

**Fauci says herd immunity is ‘likely unattainable’ with COVID-19**

April 29, 2022

[https://news.yahoo.com/fauci-says-herd-immunity-likely-161932300.html?fr=syccsrp\\_catchall](https://news.yahoo.com/fauci-says-herd-immunity-likely-161932300.html?fr=syccsrp_catchall)

# What about “declaring the end of COVID”?

The New York Times

SUBSCRIBER-ONLY NEWSLETTER

**David Wallace-Wells**

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OPINION

## Apparently the Pandemic Emergency Is Over

May 5, 2023



<https://www.nytimes.com/2023/05/05/opinion/covid-pandemic-emergency-over.html>

# Or Covid misinformation?

 **Reuters**      World ▾   Business ▾   Markets ▾   Sustainability ▾   Legal ▾   Breakingviews ▾   More ▾

Healthcare & Pharmaceuticals | Public Health

## China's Philippines embassy demands answers for propaganda against COVID vaccine

By Reuters

July 21, 2024 7:37 PM PDT · Updated 10 hours ago



<https://www.reuters.com/business/healthcare-pharmaceuticals/chinas-philippines-embassy-demands-answers-propaganda-against-covid-vaccine-2024-07-22/>

# Or Covid-gnorance?

Biden has COVID-19 and didn't wear a mask. The CDC's guidelines say he doesn't have to

Story by DARLENE SUPERVILLE, Associated Press • 3d • 7/18/2024, 12:00:27 PM



<https://www.msn.com/en-us/health/other/biden-has-covid-19-and-didnt-wear-a-mask-the-cdc-s-guidelines-say-he-doesnt-have-to/ar-BB1qenxn>

**Justice and Society at odds.....**

# When do you stand up to corporations with powerful influence?

POLITICO

Enter keyword  SEARCH

EXPLORE ▾ NEWSLETTERS & PODCASTS ▾ POLITICO PRO

## COP28 climate team queried over ties to national oil company

The UN is inquiring if the climate team is independent of the Abu Dhabi National Oil Company, as both are headed by the same person.



United Arab Emirates' Minister of State and CEO of the Abu Dhabi National Oil Company (ADNOC), Sultan Ahmed al-Jaber and the COP28 team will both be working from ADNOC's Abu Dhabi headquarters | Karim Sahib/AFP via Getty Images

BY FEDERICA DI SARIO, GIAN VOLPICELLI AND KARL MATHIESEN

JANUARY 22, 2023 | 3:45 PM CET | 4 MINUTES READ

<https://www.politico.eu/article/cop28-climate-team-uae-shares-offices-un-abu-dhabi-national-oil-company-ahmed-al-jaber/>

# When do you stand up to corporations with powerful influence?

The  
Guardian

**Shell accused of ‘profiteering bonanza’ after record first-quarter profits of \$9.6bn**

Jillian Ambrose Thu 4 May 2023 08.58 EDT



<https://www.theguardian.com/business/2023/may/04/shell-makes-record-quarterly-profits-of-nearly-10bn>

# When do you stand up to corporations with powerful influence?

The  
Guardian

Floodlight Louisiana

## In 'Cancer Alley', US chemical giants mount campaign against grassroots organizers

Chevron and ExxonMobil are among the companies in a 'sustainability council' countering grassroots activists

Pam Radtke for Floodlight Thu 4 May 2023 06.00 EDT



<https://www.theguardian.com/environment/2023/may/04/cancer-alley-louisiana-environment-oil-industry-opposition>

# When do you stand up to corporations with powerful influence?

**Shell chemical plant that burned near Houston had a record of nearly 2,000 violations**

MAY 9, 2023

Brendan Gibbons

A photograph showing a massive, dark, billowing plume of smoke or fire rising into a blue sky with white clouds. In the foreground, there are some industrial structures and a few small, bright orange flames or burn-off points at the base of the smoke column. The image is framed by a black border.

<https://news.oilandgaswatch.org/post/shell-chemical-plant-that-burned-near-houston-had-a-record-of-nearly-2-000-violations>

# Should we even??



## The Carbon Majors Database

100 fossil fuel producers and nearly 1 trillion tonnes of greenhouse gas emissions



<https://cdn.cdp.net/cdp-production/cms/reports/documents/000/002/327/original/Carbon-Majors-Report-2017.pdf?1501833772>

# Should we even??

The  
Guardian

News | Opinion | Sport | Culture | Lifestyle

Environment ► Climate crisis Wildlife Energy Pollution Green light

**Guardian sustainable business**

## Just 100 companies responsible for 71% of global emissions, study says

A relatively small number of fossil fuel producers and their investors could hold the key to tackling climate change



<https://www.theguardian.com/sustainable-business/2017/jul/10/100-fossil-fuel-companies-investors-responsible-71-global-emissions-cdp-study-climate-change>

# When do you stand up to corporations with powerful influence?

The New York Times

## *Ecuador Judge Orders Chevron to Pay \$9 Billion*

Local residents washed in the contaminated Santa Fe River, in the oil producing Amazon region of Ecuador. Moises Saman for The New York Times



Crime & Justice

## Lawyer on trial a decade after winning huge Ecuador verdict against Chevron



# When do you stand up to corporations with powerful influence?

## 'I've Been Targeted With Probably the Most Vicious Corporate Counterattack in American History'

Steven Donziger has been under house arrest for over 580 days, awaiting trial on a misdemeanor charge. It's all, he says, because he beat a multinational energy corporation in court. ▶



By Jack Holmes Mar 18, 2021



<https://www.esquire.com/news-politics/a35812573/steven-donziger-chevron-house-arrest/>

# When do you stand up to corporations with powerful influence?

The screenshot shows a news article from The Nation website. The header features the magazine's logo and navigation links for Politics, World, Culture, Events, Shop, Current Issue, and Newsletters. The main title is "New York Governor Hochul Appoints A Chevron Lawyer To The State's Highest Court". Below the title is a subtitle: "Caitlin Halligan represented the oil giant in its vindictive legal campaign against the environmentalist lawyer Steven Donziger." The author is listed as "By James North TODAY 11:55 AM". Two portraits are displayed: on the left is Governor Kathy Hochul, identified as "GOVERNOR, STATE OF NEW YORK", and on the right is attorney Caitlin Halligan, identified as "ATTORNEY FOR CHEVRON".

<https://www.thenation.com/article/society/caitlin-halligan-judge-donziger-chevron/>

# When do you stand up to corporations with powerful influence?

WIRED

SECURITY POLITICS GEAR THE BIG STORY

MORE ▾ SIGN IN

SUBSCRIBE

CAROLINE HASKINS

BUSINESS APR 17, 2024 12:41 AM

## Google Workers Detained by Police for Protesting Cloud Contract With Israel

Videos show nine Google workers being removed by police from offices in New York and Sunnyvale, California, after occupying them in protest against a cloud deal with Israel's government.

<https://www.wired.com/story/nine-google-workers-detained-by-police-protest-israel-cloud-contract/>

# When do you stand up to corporations with powerful influence?

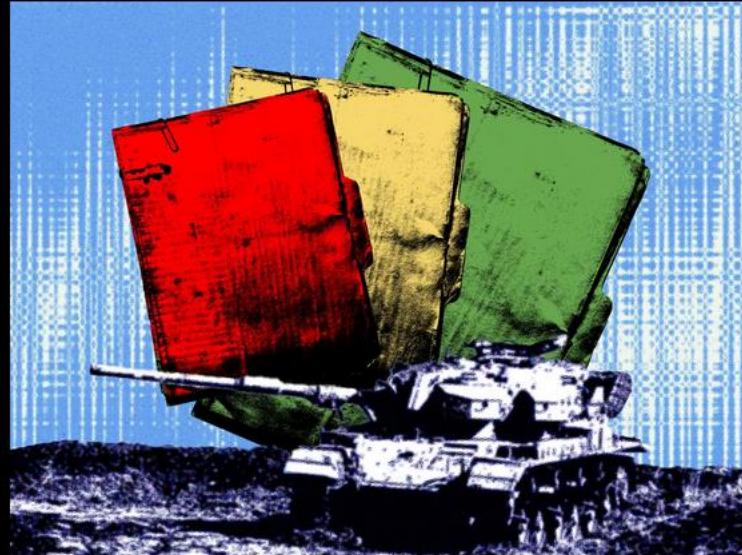
≡ WIRED

| 

BY CAROLINE HASKINS BUSINESS JUL 15, 2024 6:00 AM

## The Hidden Ties Between Google and Amazon's Project Nimbus and Israel's Military

A WIRED investigation found public statements from officials detail a much closer link between Project Nimbus and Israel Defense Forces than previously reported.



<https://www.wired.com/story/amazon-google-project-nimbus-israel-idf/>

# When do you stand up to corporations with powerful influence?

**Google fires 28 workers in aftermath of protests over big tech deal with Israeli government**



BY MICHAEL LIEDTKE

Updated 4:18 PM PDT, April 18, 2024

Share ↑

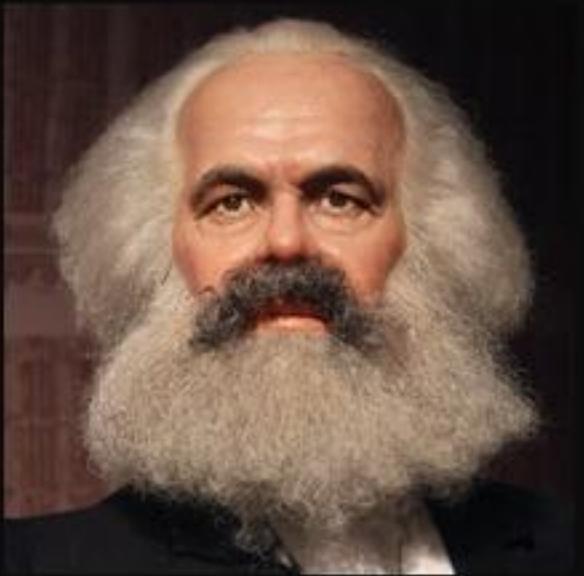
<https://apnews.com/article/google-israel-protest-8c0ff2d46e19b90bdc49ffe6ec4ae274>

**Why is this allowed to happen?**

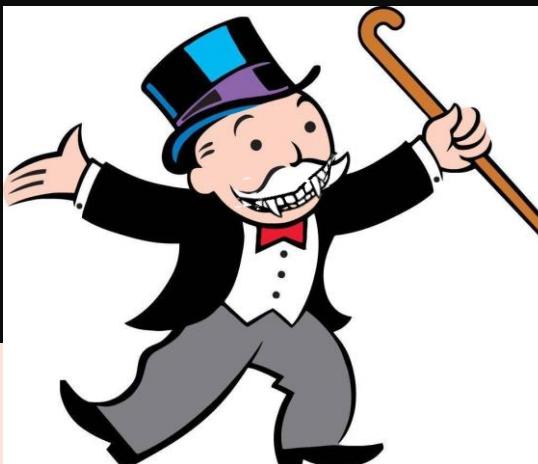
**Because Capitalists suck.**

# Literally:

Karl Marx



Capital is dead labor, which, vampire-like, lives only by sucking living labor, and lives the more, the more labor it sucks.



# Marx my words: More money leads to more exploitation.

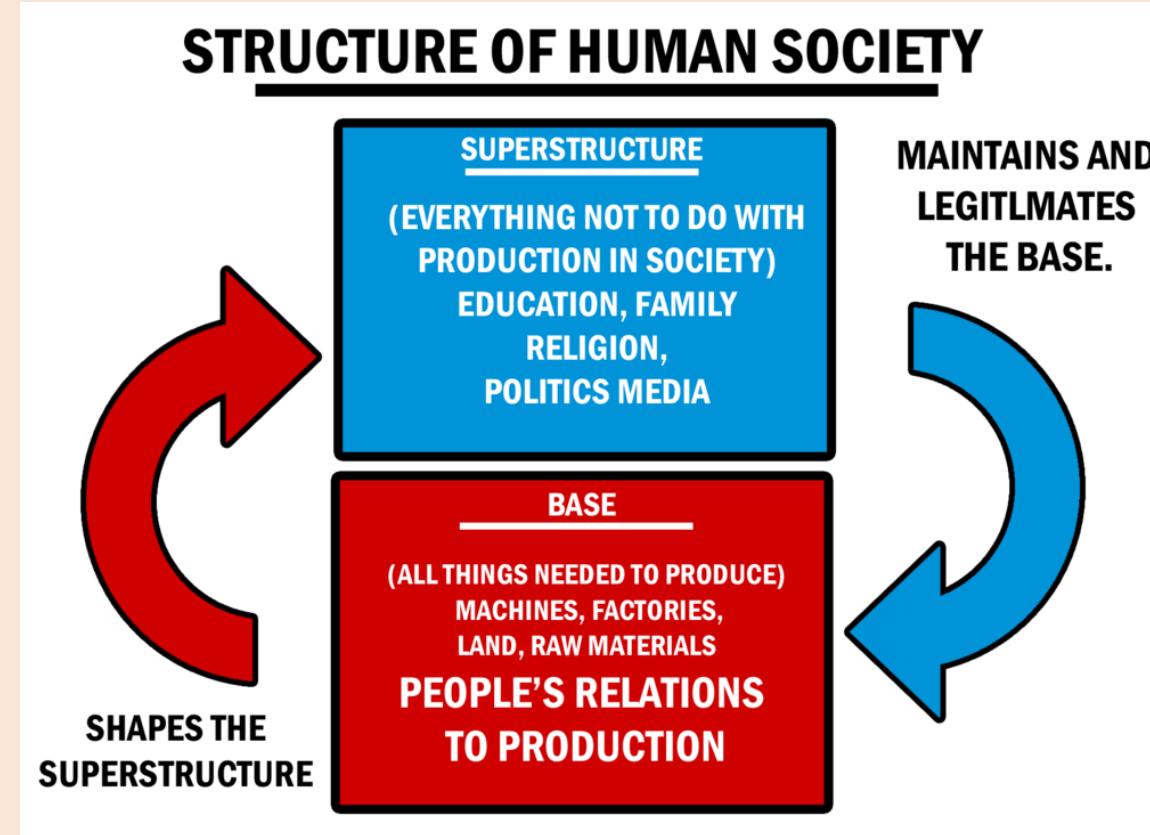
Unlimited exploitation of cheap labour-power is the sole foundation of their power to compete.

“**THERE MUST BE  
SOMETHING ROTTEN  
IN THE VERY CORE  
OF A SOCIAL SYSTEM  
WHICH INCREASES  
ITS WEALTH  
WITHOUT DIMINISHING  
ITS MISERY.**”

KARL  
**MARX**  
MAY 5, 1818 – MARCH 14, 1883

It leads to more **exploitation** of the environment, society, and people.

# False consciousness allows this to happen



The **owners of production** (rich) make it so that the **workers** (poor/working class) cannot believe an alternative.

# One last note:

**Socialism**



**Autocracy**

**Dictatorship**

**No personal  
property**

**Socialism** just means that the **WORKERS** are the **OWNERS** of production,  
so that decision making power is distributed equally.  
Housing, health care, etc. becomes a right not privilege!

# **Socialism in the USA**

**Public Roads**

**Police**

**Fire department**

**Social Security**

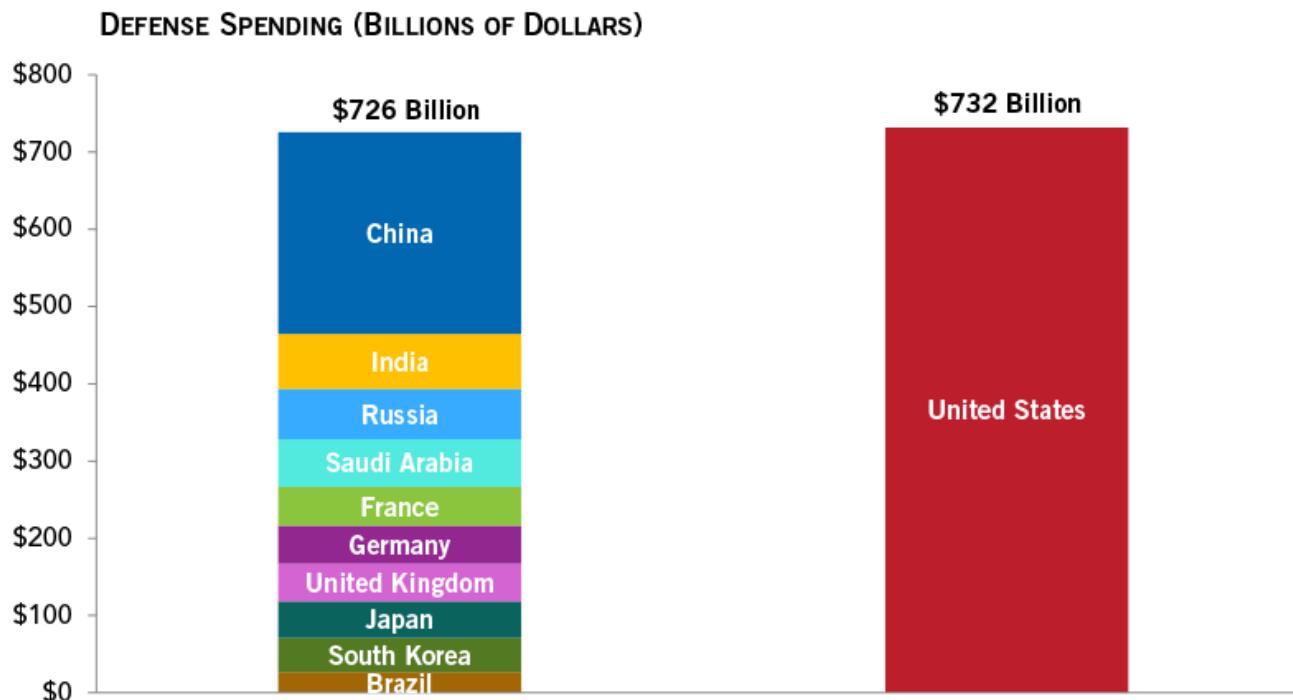
**Subsidies (Oil, Gas, Weapons)**

**Seems prevalent?**

# Socialism in the USA



The United States spends more on defense than the next 10 countries combined



SOURCE: Stockholm International Peace Research Institute, SIPRI Military Expenditure Database, April 2020.

NOTES: Figures are in U.S. dollars converted from local currencies using market exchange rates. Data for the United States are for fiscal year 2019, which ran from October 1, 2018 through September 30, 2019. Data for the other countries are for calendar year 2019. The source for this chart uses a definition of defense spending that is more broad than budget function 050 and defense discretionary spending.

© 2020 Peter G. Peterson Foundation

PGPF.ORG

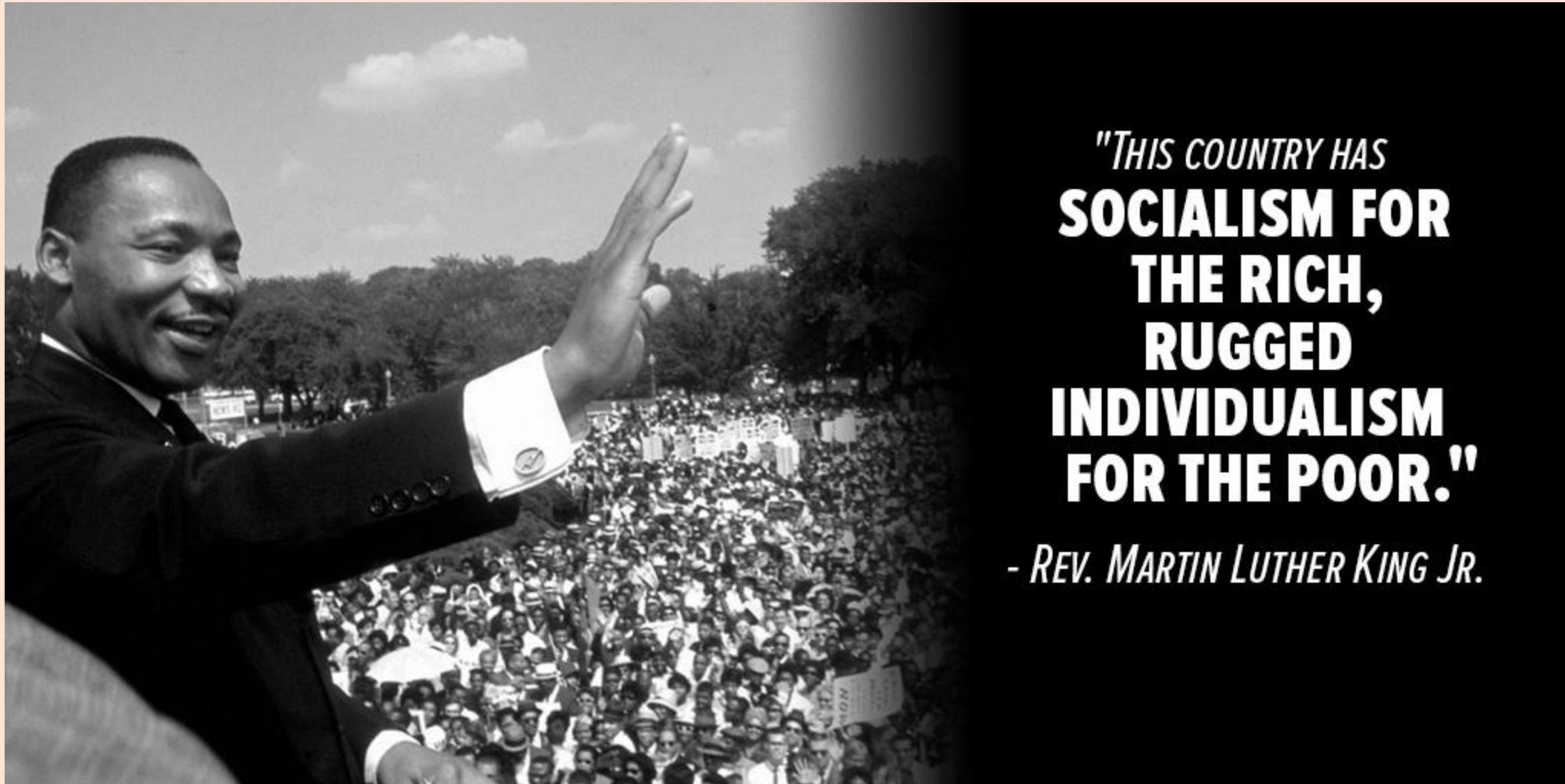
## We heavily socialize military.

# Who said this?

*"THIS COUNTRY HAS*  
**SOCIALISM FOR  
THE RICH,  
RUGGED  
INDIVIDUALISM  
FOR THE POOR."**

Hint: A dream.

# Martin Luther King Jr.



*"THIS COUNTRY HAS*  
**SOCIALISM FOR  
THE RICH,  
RUGGED  
INDIVIDUALISM  
FOR THE POOR."**

*- REV. MARTIN LUTHER KING JR.*

We'll pay him a visit later!

# Who said this?

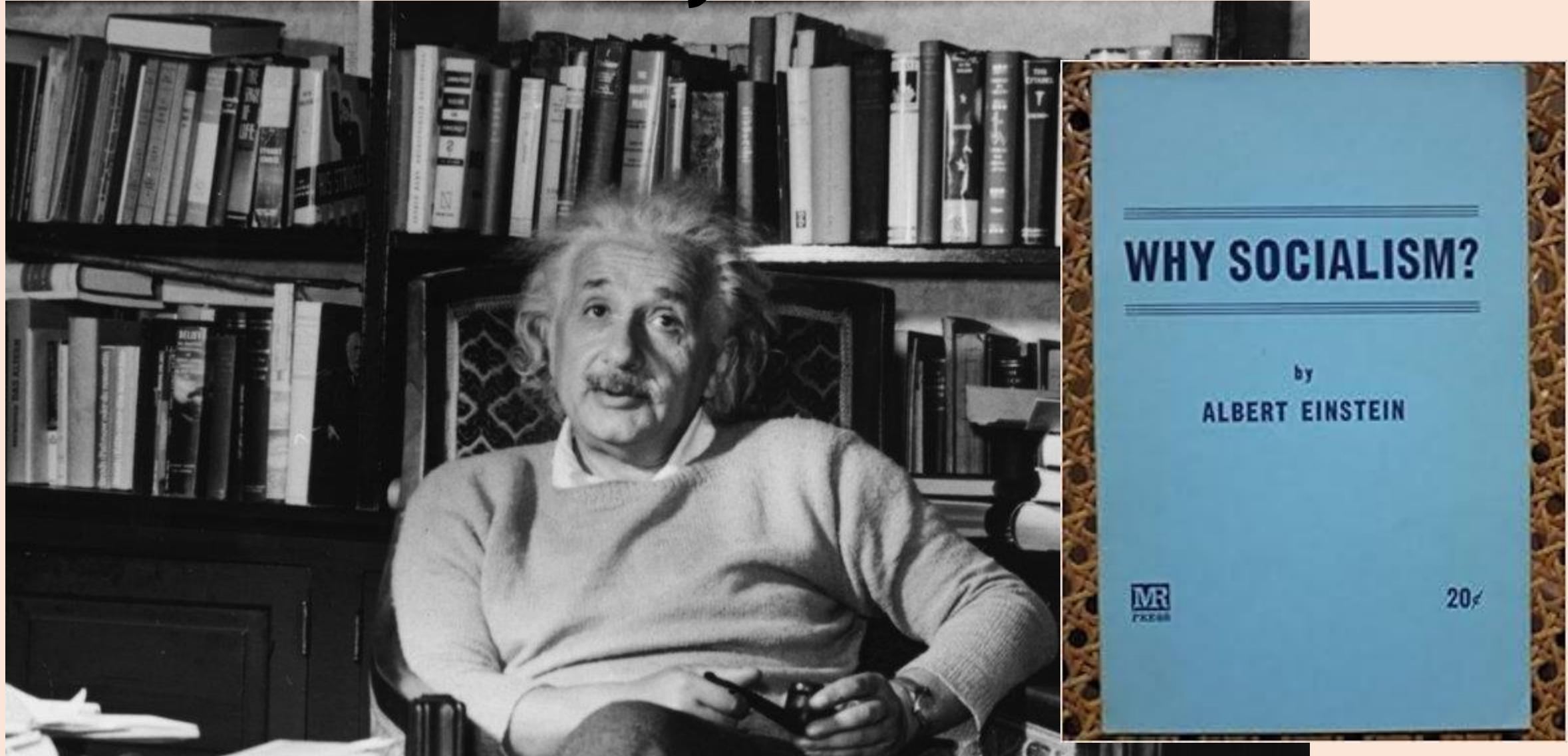
This crippling of individuals I consider the worst evil of capitalism.

Our whole educational system suffers from this evil. An exaggerated competitive attitude is inculcated into the student, who is trained to worship acquisitive success as a preparation for his future career.

I am convinced there is only one way to eliminate these grave evils, namely through the establishment of a socialist economy, accompanied by an educational system which would be oriented toward social goals.

**Hint starts with A!**

# Why Socialism?



Albert Einstein

# **Socialism      vs.      Capitalism**

## **Ownership**

Predominantly social/collective ownership

Predominantly private ownership

## **Distribution**

Based on contribution and need

Controlled by owners of production, driven by profit, not societal needs

## **Class Structure**

Aims to reduce class distinctions

Inherently creates and maintains class distinctions

## **State Role**

Ranges from large state involvement to decentralized worker/community control

Selective state intervention favoring owners of capital

## **Social Welfare**

Strong emphasis on social welfare

Social welfare often secondary to profit

## **Decision making**

Based on equal social needs

Based on profit-seeking, benefiting a few

# Socialism

## System Type

Economic system

## Ownership

Mix of public and private ownership

## Distribution

Equitable distribution based on contribution and need

## Class Structure

Aims to reduce class distinctions

## State Role

Significant state intervention; can coexist with democratic political systems

## Implementation

Achieved through democratic means and gradual reforms

# Communism

Economic and political system

Complete collective ownership

Distribution based on absolute equality and need

Seeks to eliminate all class distinctions

State initially plays a role but eventually withers away

Often associated with revolutionary change

# Capitalism vs. Socialism vs. Communism

System	Power and Decision-Making	Real-Life Example
Capitalism	Based on <b>profit-seeking</b> , benefiting a few	 The logo for Agaric, featuring the word "agaric" in a white, lowercase, sans-serif font against a solid black rectangular background.
Socialism	Based on <b>equal social needs</b>	   The logos for Google, Apple, and Microsoft are displayed side-by-side. Google's logo is its signature multi-colored text. The Apple logo is a white silhouette of an apple with a bite taken out of it, set against a black circle. The Microsoft logo consists of four colored squares (blue, green, red, yellow) arranged in a 2x2 grid.
Communism	Based on <b>collective needs</b> in a classless society	 The logo for CommieSubs, featuring the word "CommieSubs" in a white, lowercase, sans-serif font next to a white hammer and sickle symbol, all contained within a solid black rectangular background.

# Capitalism vs. Socialism vs. Communism

System	Power and Decision-Making	Real-Life Example
Capitalism	Based on <b>profit-seeking</b> , benefiting a few	<b>Tech Corporation:</b> A large tech company like Apple, Google, or Microsoft where major decisions are made by a small group of executives and shareholders, focusing on maximizing profits.
Socialism	Based on <b>equal social needs</b>	<b>Tech Coop:</b> A worker-owned tech cooperative like <a href="#">Agaric</a> where all members have equal voting rights and decisions are made democratically.
Communism	Based on <b>collective needs</b> in a classless society	<b>Anime Fansubbing Community:</b> A volunteer-run Discord server where members contribute their skills (translation, editing, timing) to create subtitles for anime. All work is done collaboratively, decisions are made through group consensus, and the final product is shared freely with the community.

**Focusing on Design Justice to.....**

**Do it justice.**

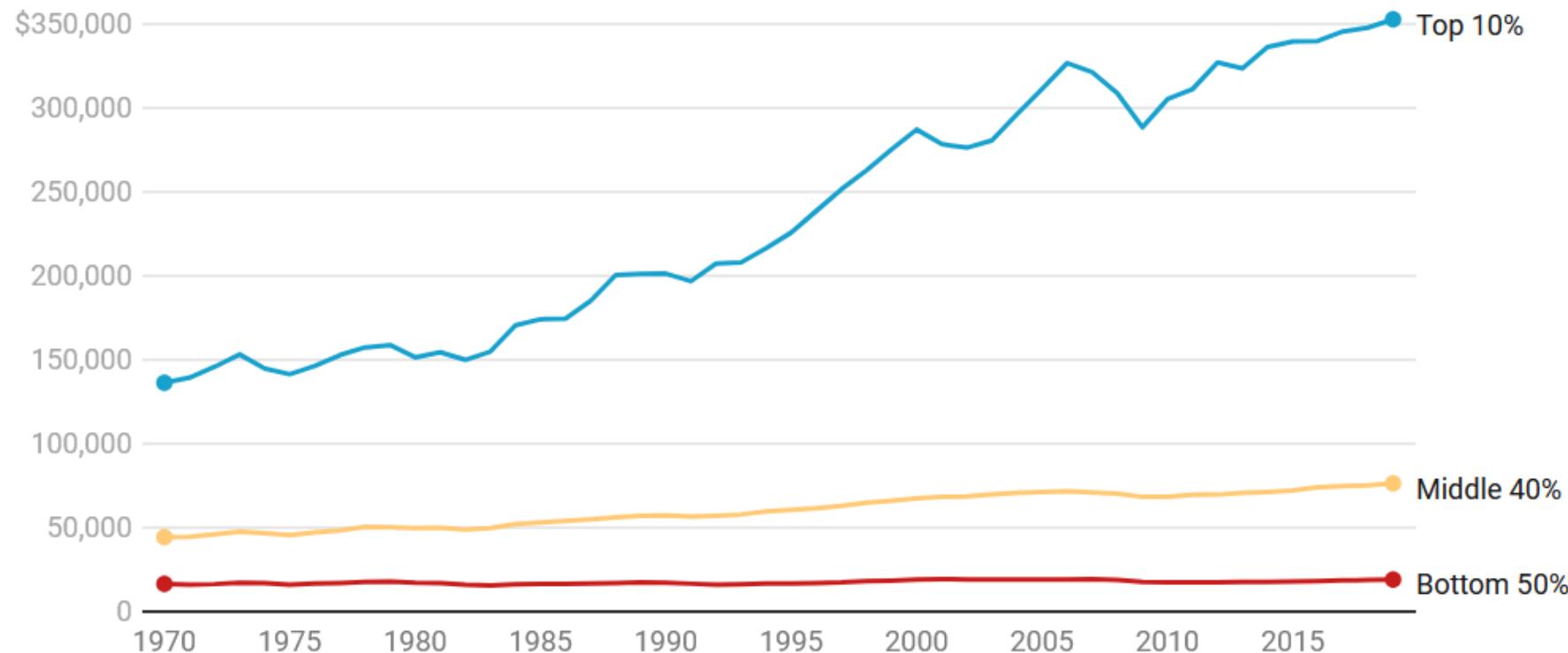
**And put us in it.**

**Because**

**Clearly the current system is not working-  
for everyone.**

# Remember this?

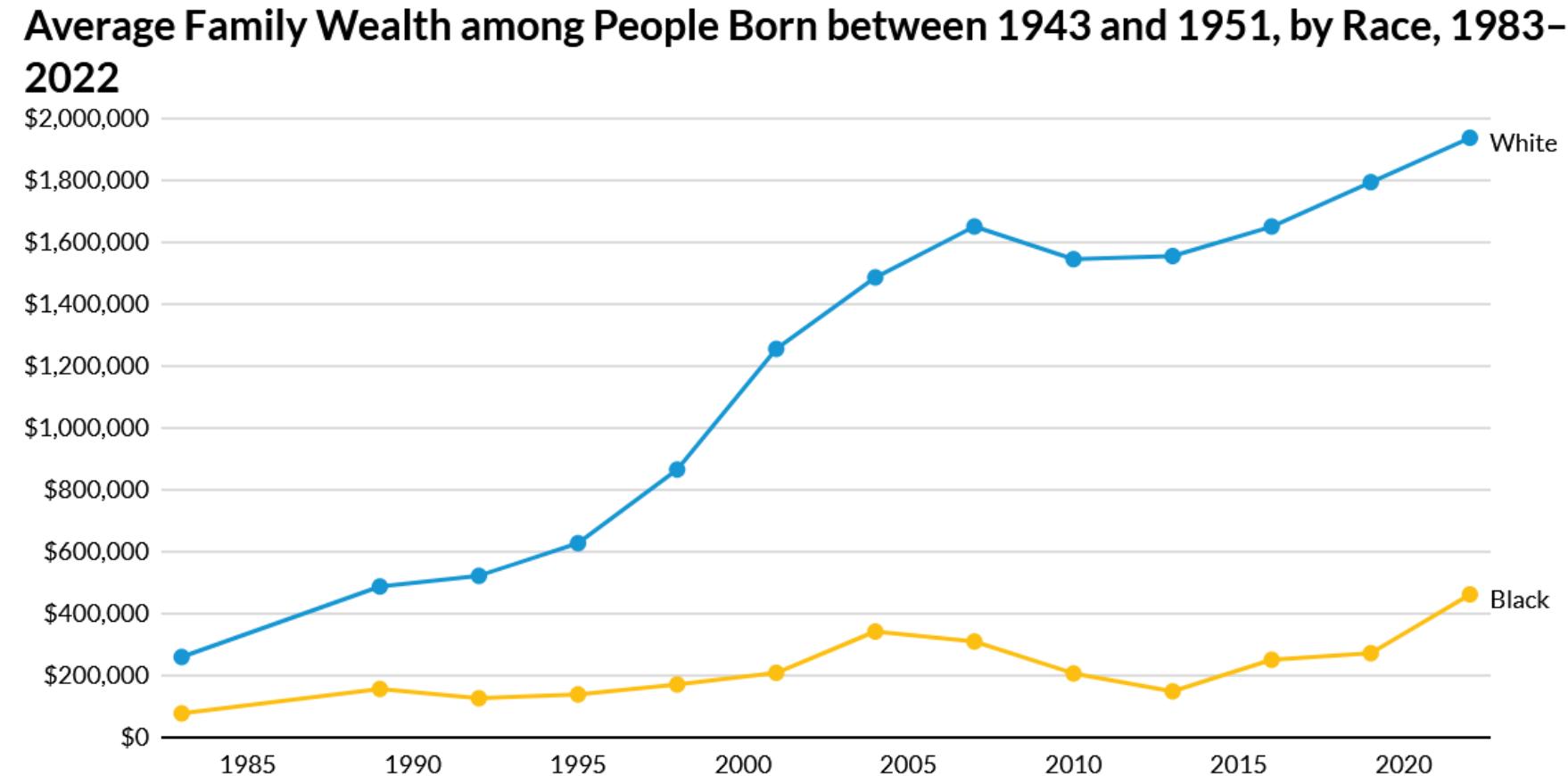
## Average US Adult Income, by Percentile, 1970-2019



Note: Shown in constant 2019 US dollars. National income for individuals aged 20 and over, prior to taxes and transfers, but includes pension contributions and distributions.

Chart: by HandsOnDataViz • Source: [World Inequality Database 2020](#) • [Get the data](#) • Created with Datawrapper

# So clearly the system is working as designed.



Source: Urban Institute calculations from the Survey of Consumer Finances 1983–2022.

Notes: 2022 dollars. The Hispanic sample size is too small to show. Age is the head of household's age. In 2022, these people were ages 71 to 79, and in 1983, they were ages 32 to 40. We used inflation adjustment factors from [Changes in U.S. Family Finances from 2019 to 2022: Evidence from the Survey of Consumer Finances](#).

# **Design and economic and social system**

**The current economic and social system is flawed  
by DESIGN for the few to exploit the masses**

**This is why we need justice!!!**

# Let's **Link** ethics and action together



# Introducing Design Justice

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**Human-Centered Design**

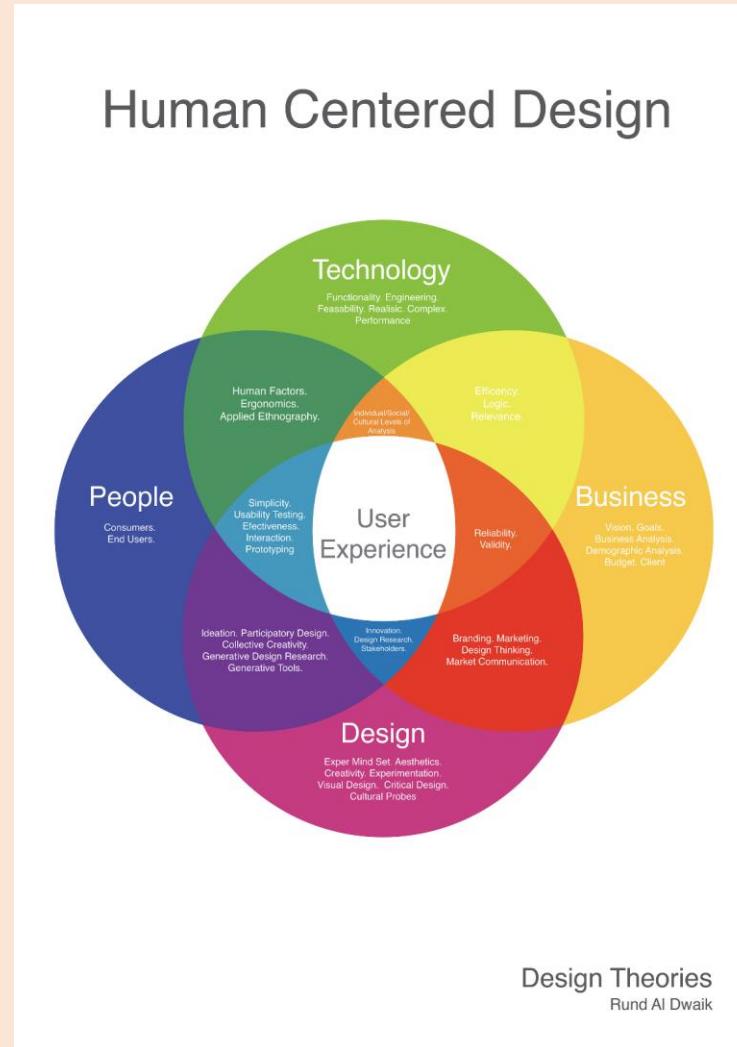
**Logistics**



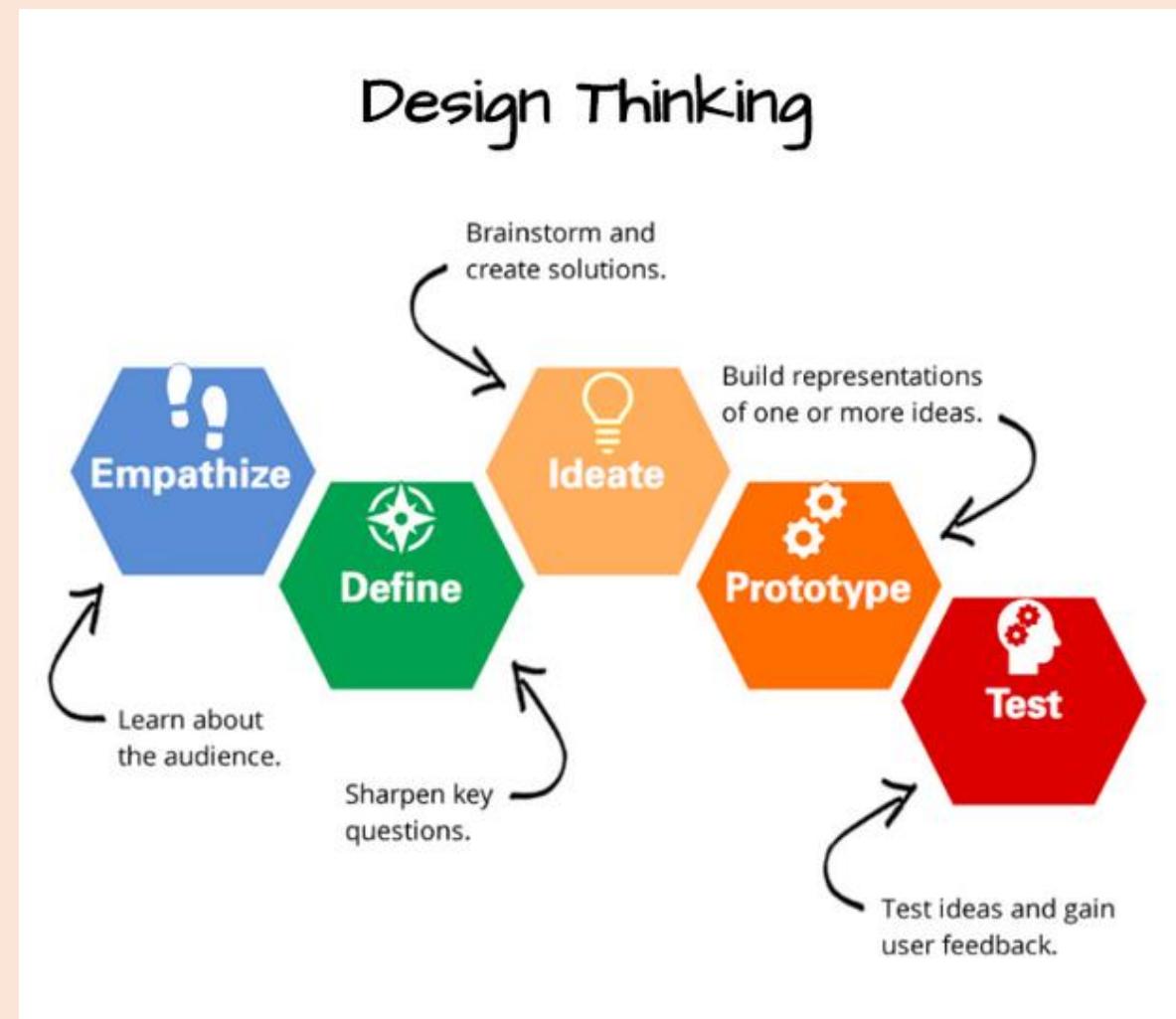
**Design Justice**

**Data Justice**

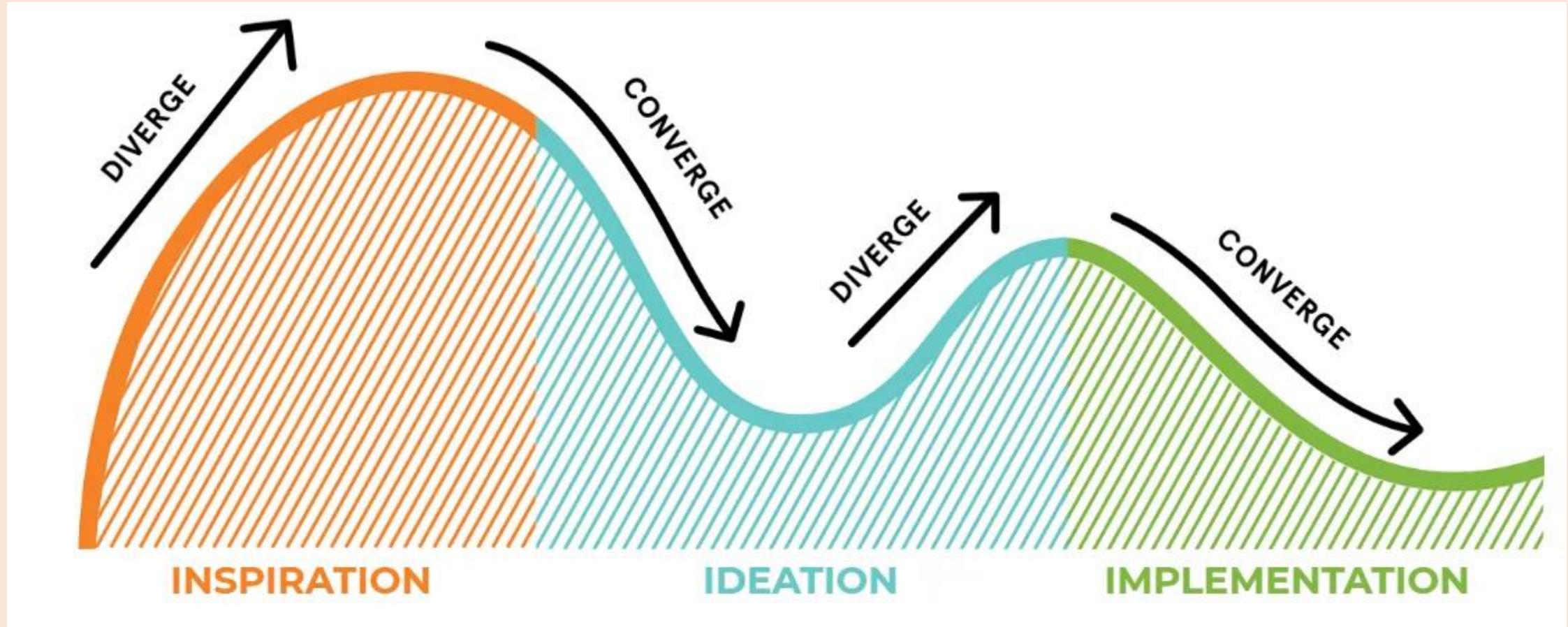
# Human Centered Design



# What is regular design?



# What is human centered design?



**Ensure that the products are relevant and beneficial— in the long run  
— for the people they are intended to serve**

**Learn more here**

# Designing for access

**IDEO.org is a nonprofit design studio.**

We design products and services alongside organizations that are committed to creating a more just and inclusive world.

<https://www.ideo.org/>

# **Revisiting Design Justice to put us in it**

---

**Human-Centered Design**

**Logistics**



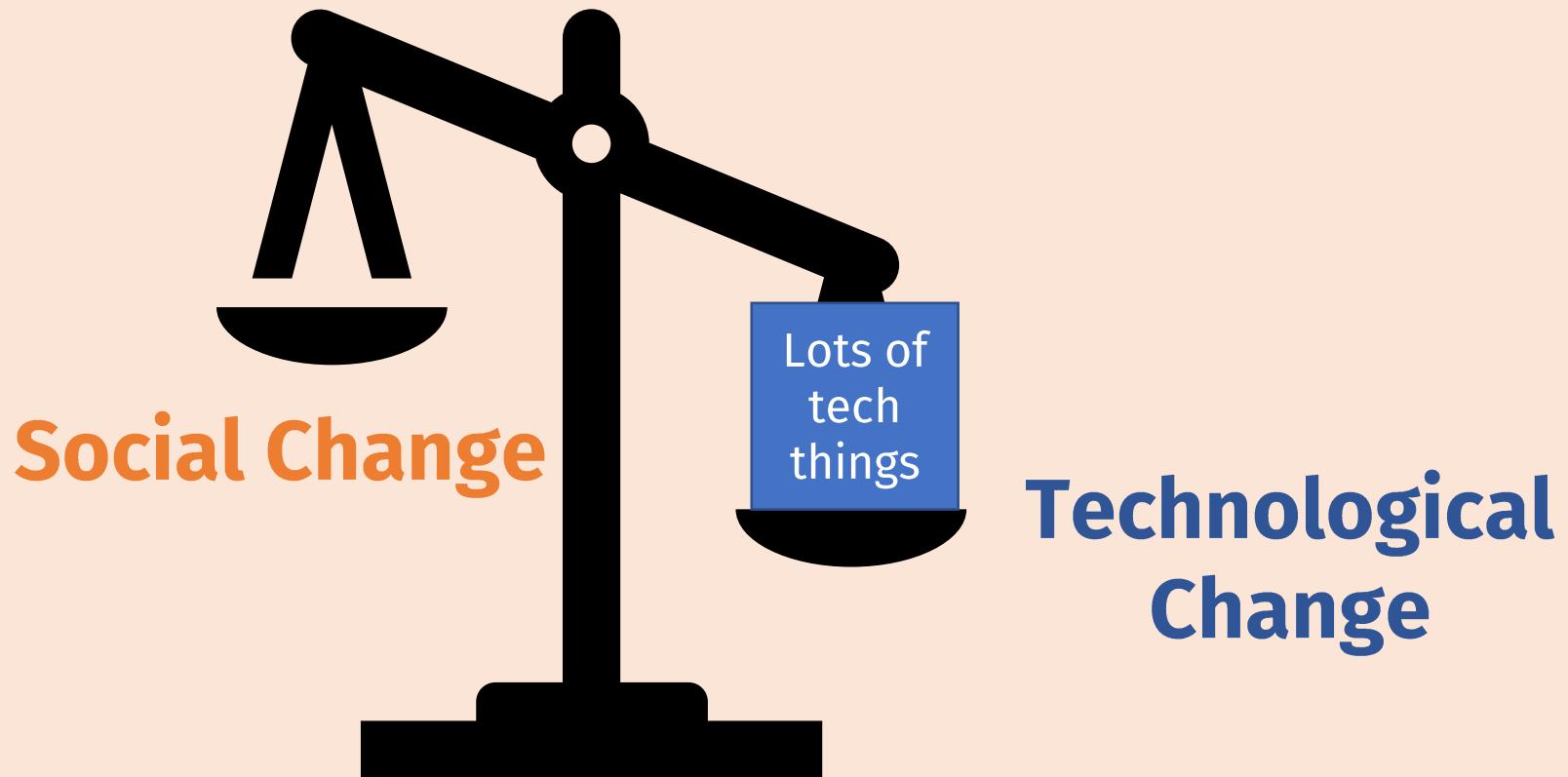
**Design Justice**

**Data Justice**

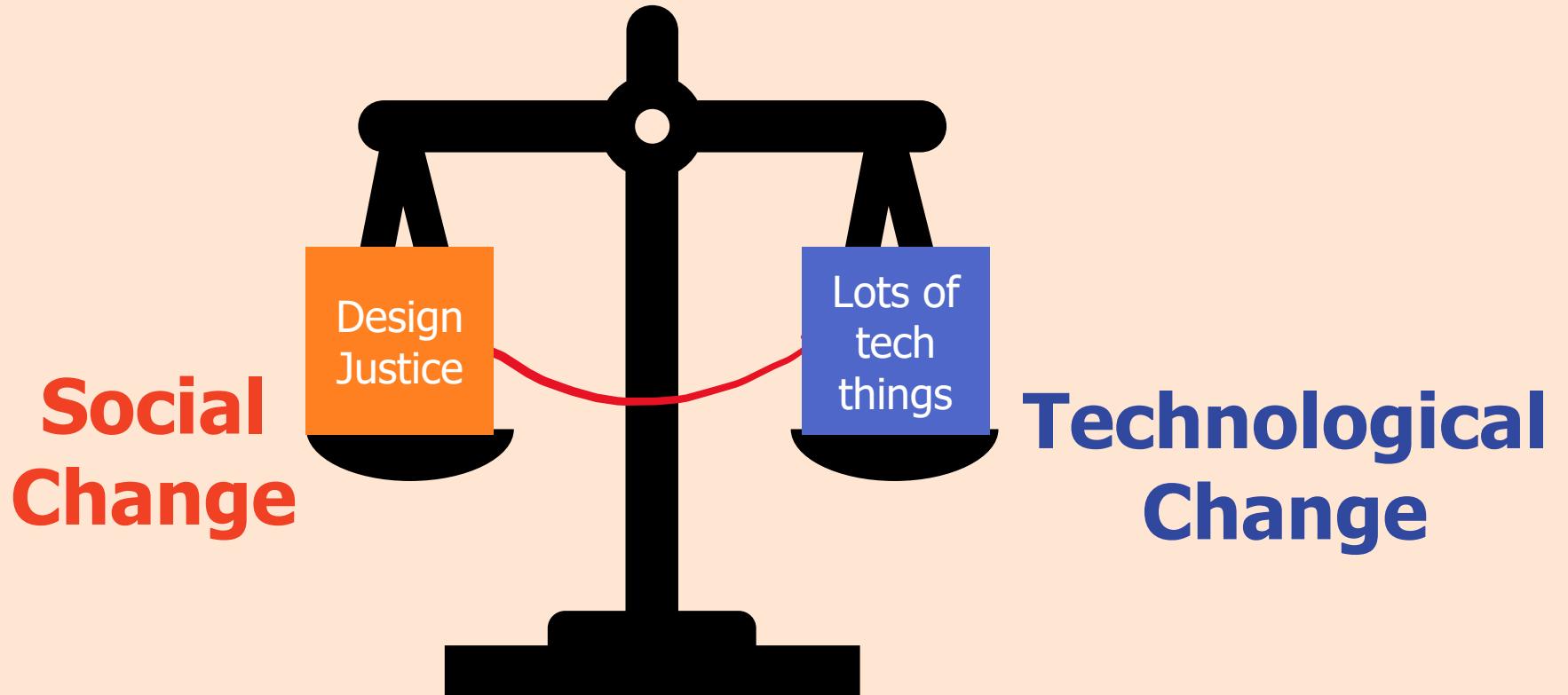
**Design Justice is not an “ideal” or “theory”**

**Design Justice is a holistic solutions framework and approach to rebalance society and technology by focusing on marginalized communities**

# Recall, as a society this is where we are at:



# This is where design justice framework comes in:

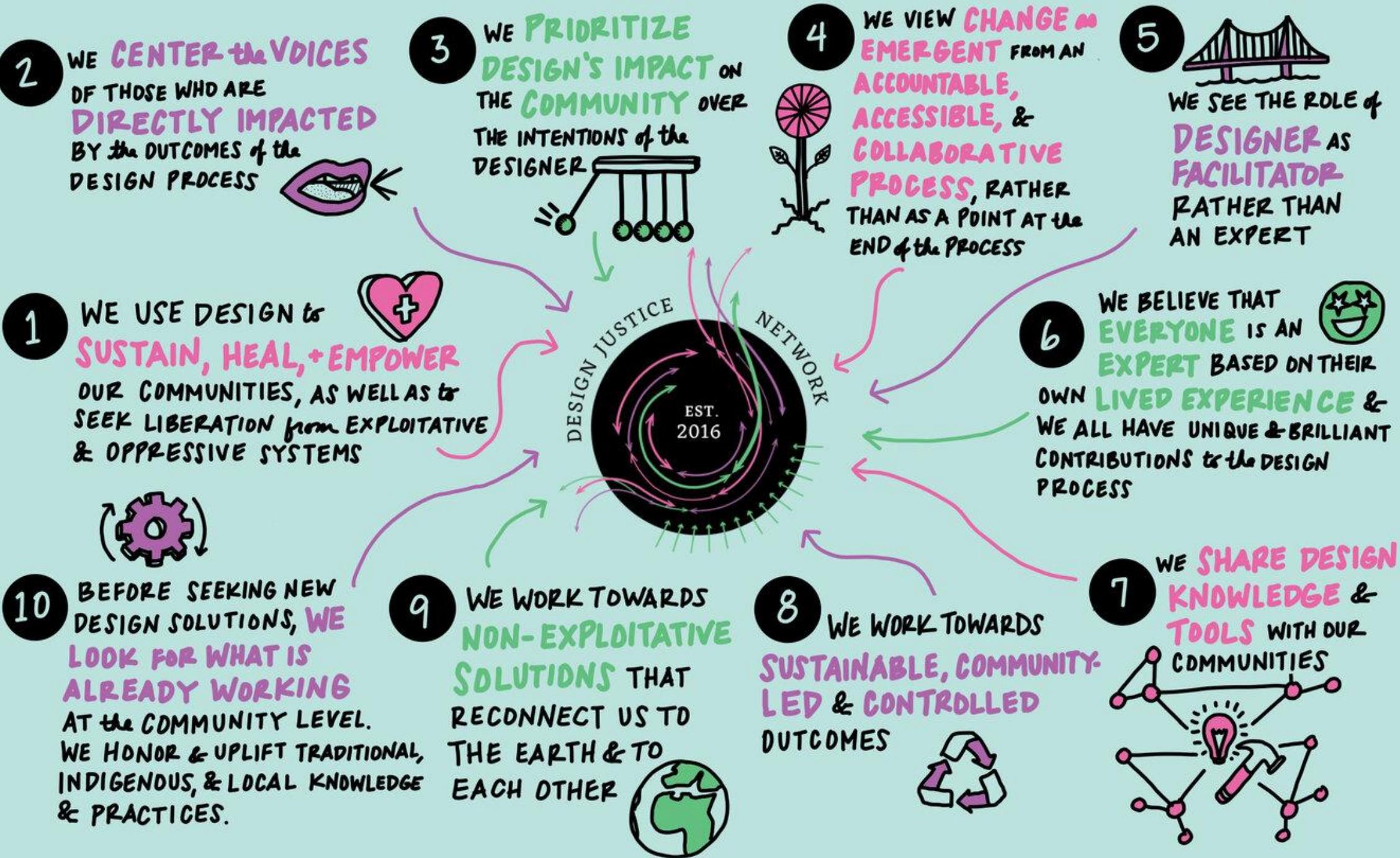


**Sure, design justice** not the answer to everything, but it is a helpful approach to rebalancing society towards the marginalized

# Design Justice Principles

- 1. Use design to sustain, heal, and empower communities**
- 2. Center voices directly impacted by design**
- 3. Prioritize design's impact on the community instead of designer's intentions**
- 4. Design with the community, not for the community**
- 5. EVERYONE is an expert based on their own lived experiences**

# PRINCIPLES & FRAMEWORK



# Applying Design Justice



**Why do I keep stressing we shouldn't be focused on “**solutions**” for group projects?**

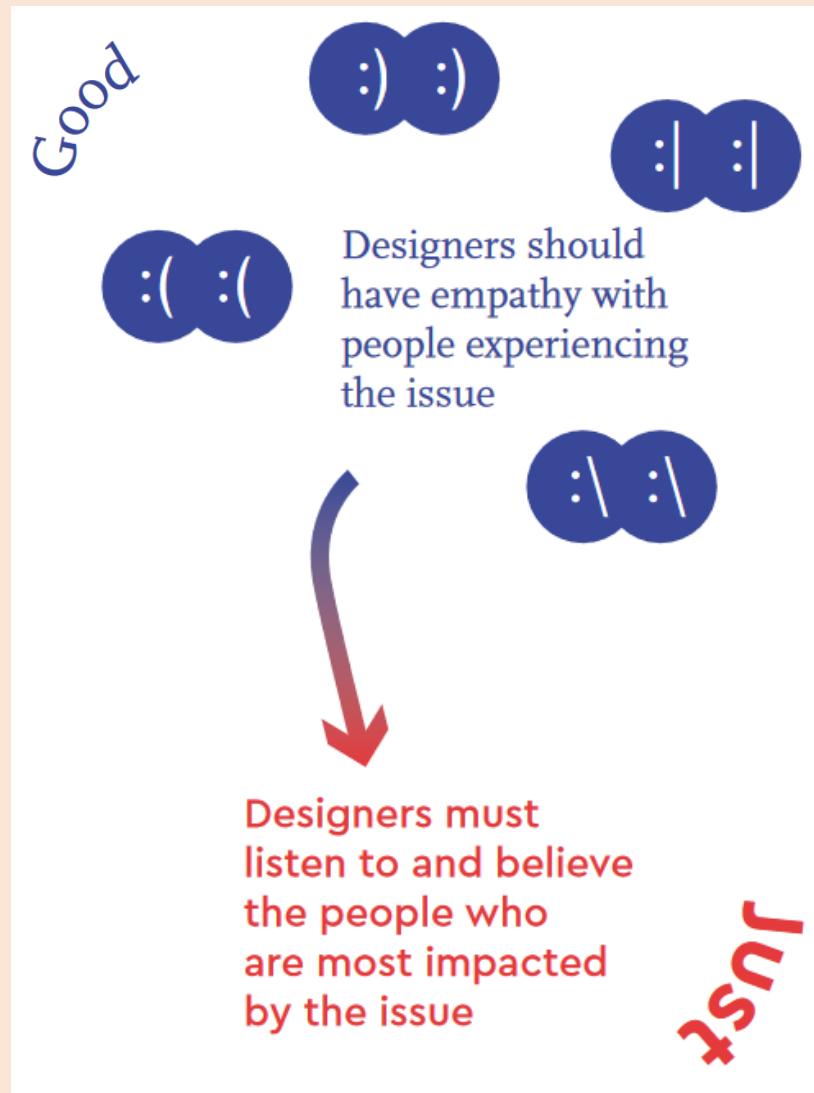
## *Begin by listening.*

As our friends at Allied Media Projects urge in their network principles [<www.alliedmedia.org/about/network-principles>](http://www.alliedmedia.org/about/network-principles), it's always best to begin any process — including an attempt to design for social justice — by listening to those who are most affected, and who have been working on it for years.

**We must start by listening.**

**Simply, I don't think it is possible to achieve  
community *solutions* through surveys and  
within 6 weeks**

# Good vs. Just design



**Design Justice would expand on your project's “solutions” aspect.**

**But if you want to design “solutions”....**



We have reimagined the role  
of the designer as a facilitator,  
rather than an expert.

[Design Justice Issue 3, Design Justice In Action \(2018\)](#)

**We must learn to be a facilitator first!**

# Good vs. Just design



# Critical Collaboration

*Humble yourself. Design with, not for.*

- **Everyone is an expert in their own experiences**
- **Addressing injustice through design means elevating the voices of people most affected by the issues and working collaboratively towards solutions.**

**Going back to your group project**

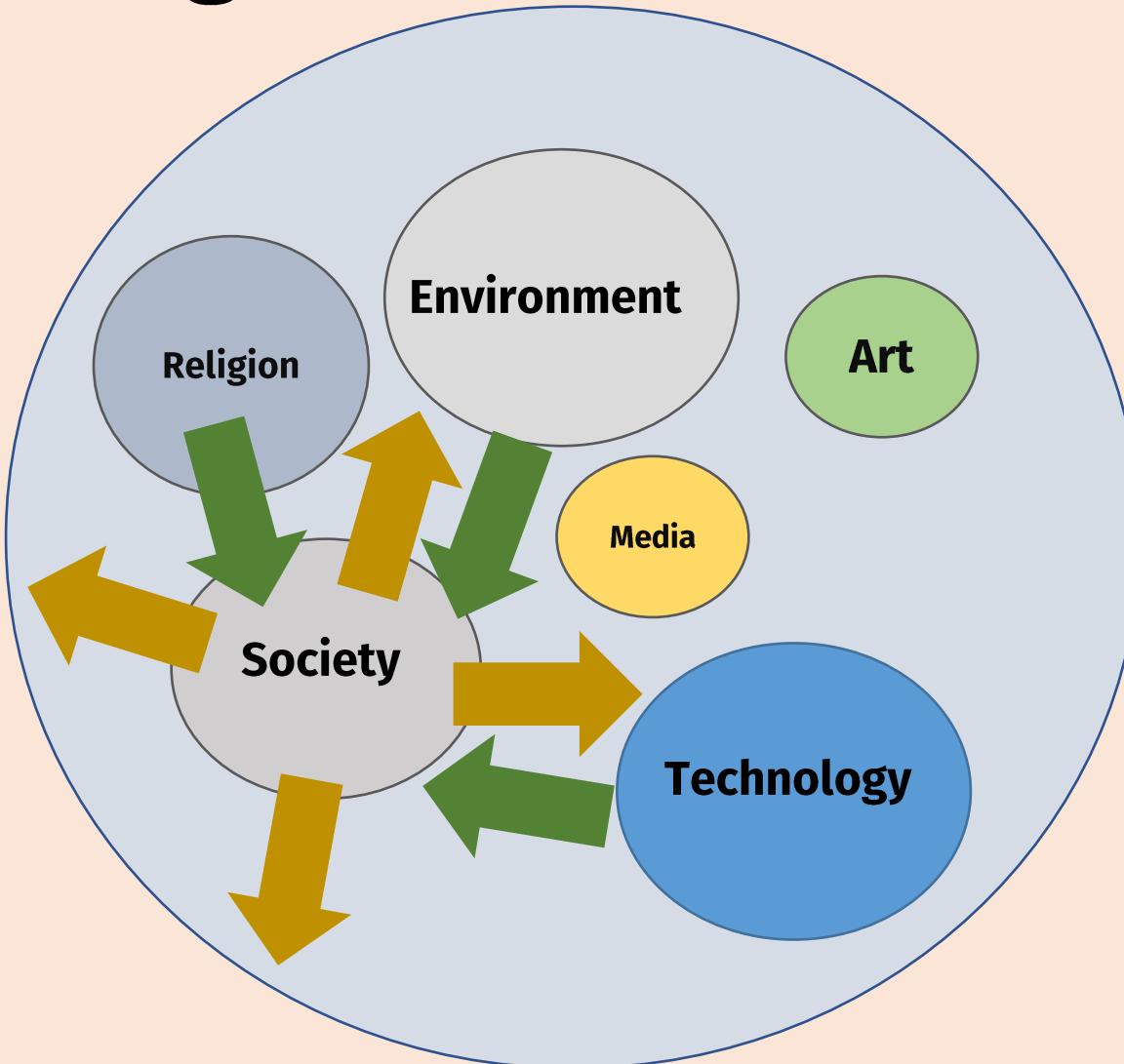
# Reflect on these questions

- How close am I to the issue at hand?
- Does this community want me to work on this project?
- Am I the appropriate person to work on this project?
- How can I step back and facilitate the design of solutions by the community?

**Sure, design justice is a helpful approach to rebalancing with not falling into the technological determinism trap.**

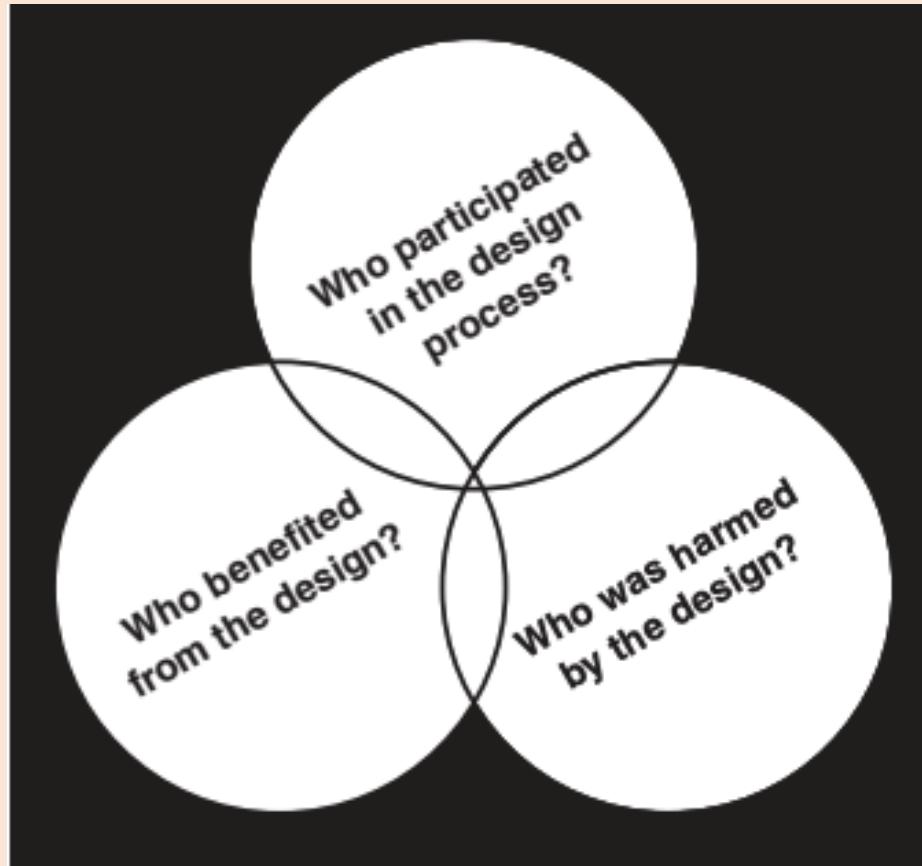
**Why?**

# Design Justice.....



Pushes back from the interplay of other forces, by healing, sustaining, and empowering civil society

# Your user stories and Design Justice



You can use the diagram above to think about your users in relation to designing your mapplication

# Your user stories and Design Justice

## Network News

Submit a news item

[See all →](#)



2023 Issue #02, Design  
Justice Newsletter

Mar 17, 2023

## Upcoming Events

Submit an event

[See all →](#)



Saturday, May 20, 2023  
12-3PM EDT via Zoom

**Design Justice is relatively new, so you can get involved easily!**

# Data Justice

---

**Human-Centered Design**

**Logistics**

**Design Justice**

**Data Justice**



# Let's Link design justice and data together



# Some key



s about  
Data Justice

# Three pillars of data justice

- **(in) visibility**
- **(dis) engagement with technology**
- **non-discrimination**

Note the **invert** of the first two concepts.

# Why bring up data justice now?

The screenshot shows a news article from the website 'Futurism'. The header features the word 'Futurism' in a large, bold, black font. To the left of the title is a menu icon (three horizontal lines with a circle) and to the right is a search icon (a magnifying glass). Below the title, the author's name 'MAGGIE HARRISON' is mentioned along with the publication date 'MAY 11'. The main headline is 'Google Unveils Plan to Demolish the Journalism Industry Using AI', displayed in a large, bold, black font. A subtitle below the headline reads 'This could change everything.' At the bottom of the article preview, there is a small line of text indicating the categories: '/ Artificial Intelligence / Ai / Google / Large Language Models'.

UPSIDE DOWN | MAY 11 by MAGGIE HARRISON

## Google Unveils Plan to Demolish the Journalism Industry Using AI

This could change everything.

/ Artificial Intelligence / Ai / Google / Large Language Models

**Surveillance capitalism and fascism are fast growing issues.**

<https://futurism.com/google-ai-search-journalism>

# Why bring up data justice now?

"Google has unveiled its vision for how it will incorporate AI into search," [tweeted](#) [The Verge's James Vincent](#). "The quick answer: it's going to gobble up the open web and then summarize/rewrite/regurgitate it (pick the adjective that reflects your level of disquiet) in a shiny Google UI."

Research [has shown](#) that information consumers hardly ever make it to even the second page of search results, let alone even the bottom of the page. And worse, it's not like Google's taking clicks away from its longtime information merchants by hiring an army of human content writers to churn out summarization. [Google's new search interface, which is built on a model that's already been trained by way of boatloads upon boatloads of unpaid-for human output](#), will seemingly be swallowing even more human-made content and spitting it back out to information-seekers, all the while taking valuable clicks away from the publishers that are actually doing the work of reporting, curating, and holding powerful interests like Google to account.

**Chrome user search patterns and behaviors is being used to train all this!**



# Why bring up data justice now?

WHO, ME? | MAY 13 by MAGGIE HARRISON

## Google CEO Baffled by Suggestion That AI Will Take People's Jobs

He's stumped.

/ Artificial Intelligence / Ai / Google / Labor



**Unsurprising that “Google/Alphabet” took away the “Do no evil” slogan years ago..**

<https://futurism.com/google-ceo-baffled-ai-take-jobs>

# Los Angeles Writers Guild Strike 2023

Los Angeles Times

Letters to the Editor | How to submit a letter | Tips | View All >

LETTERS TO THE EDITOR

## Letters to the Editor: The writers' strike isn't just about AI — and AI threatens more than writers



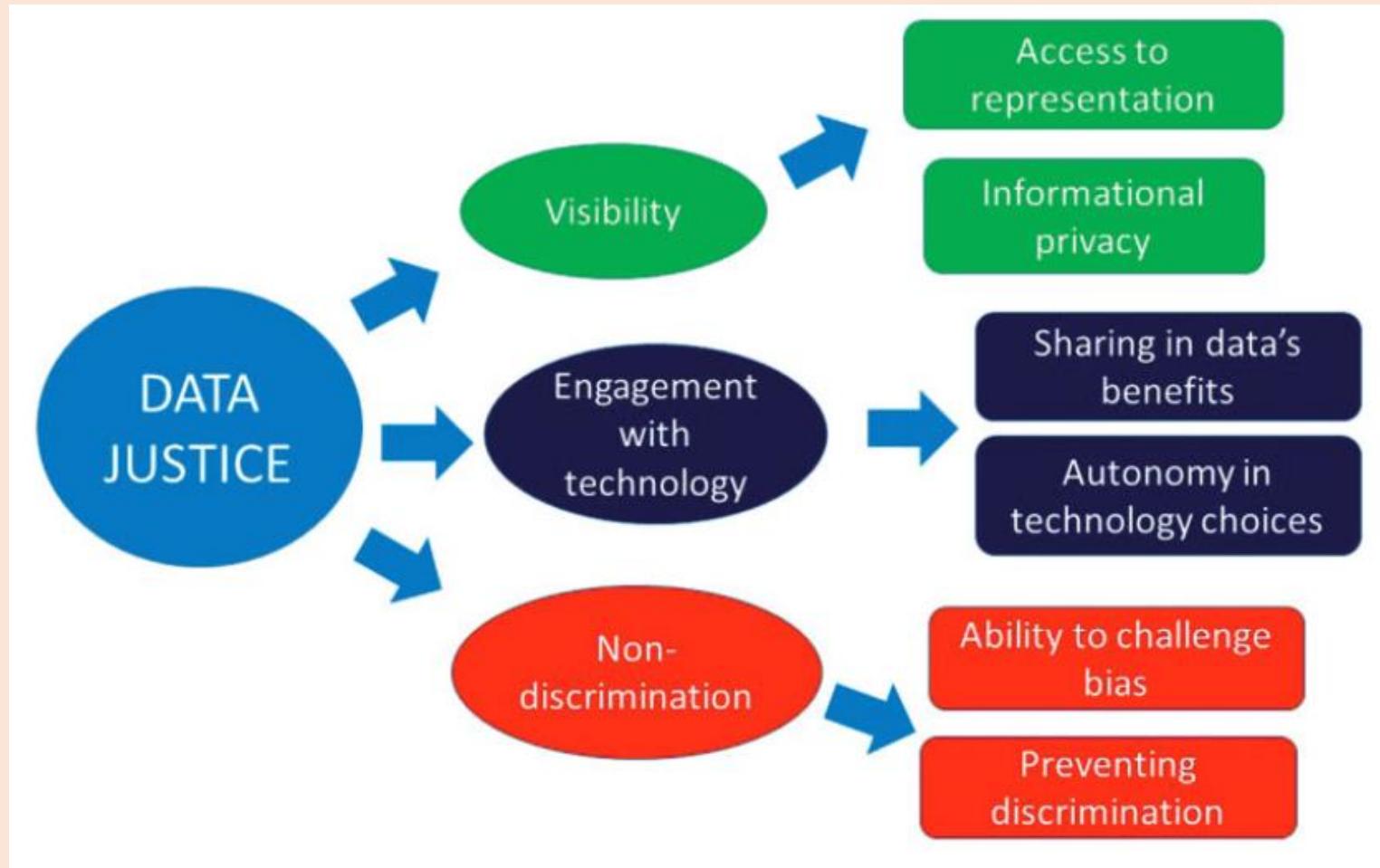
Concern that studios will downgrade screenwriters to reworking AI-produced scripts is one issue behind the Writers Guild of America strike. (Jay L.

MAY 15, 2023 11:45 AM PT

**AI is part of the issue, but the main issue is about society being unequal.**

<https://www.latimes.com/opinion/letters-to-the-editor/story/2023-05-15/writers-strike-ai-regulations-jobs>

# Connecting Design Justice to Data Justice



[What is data justice? The case for connecting digital rights and freedoms globally](#)

# **Consider your surveys**

# (In)Visibility

- How are you making community data visible?
- How are you allowing data to be removed?

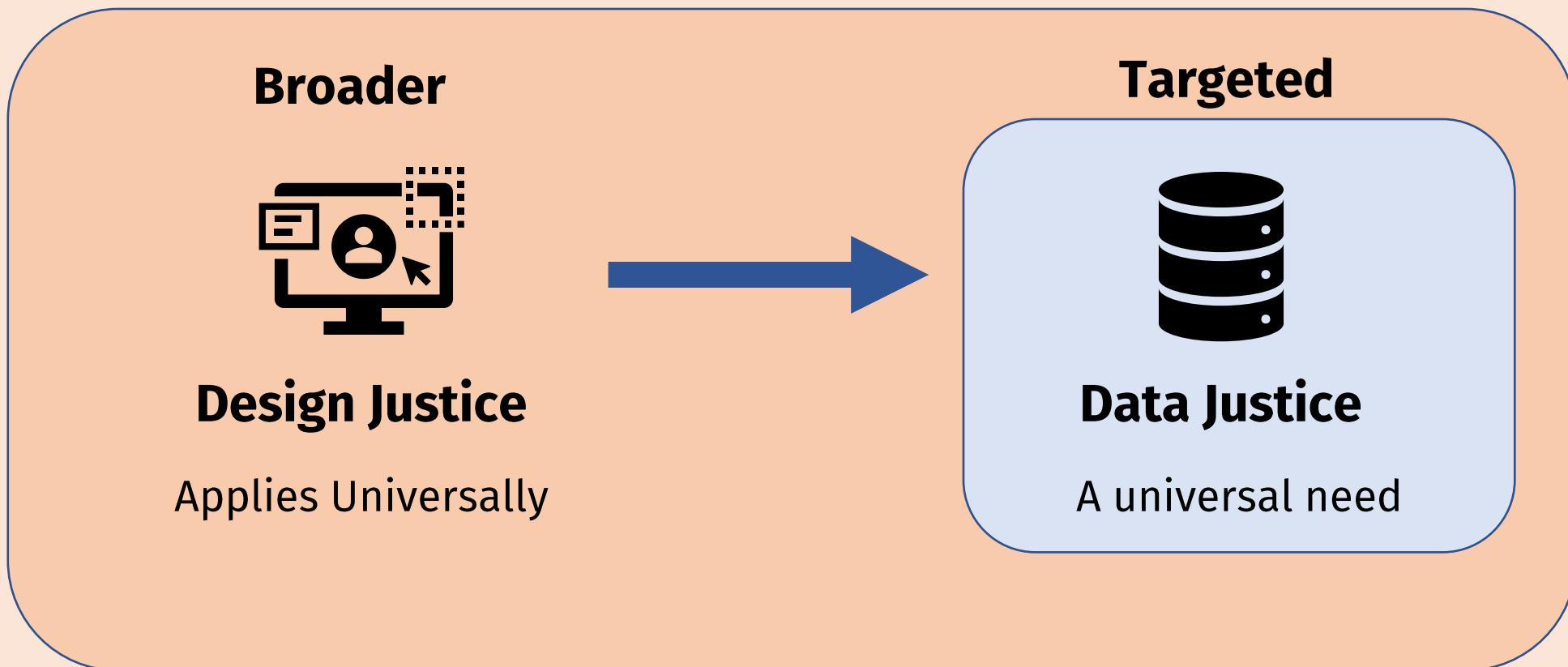
# **(Dis)engagement with technology**

- Are participants allowed to use any technology? (Smart phone/web browser)
- How are you enabling participants to opt-out using technology but still participate?

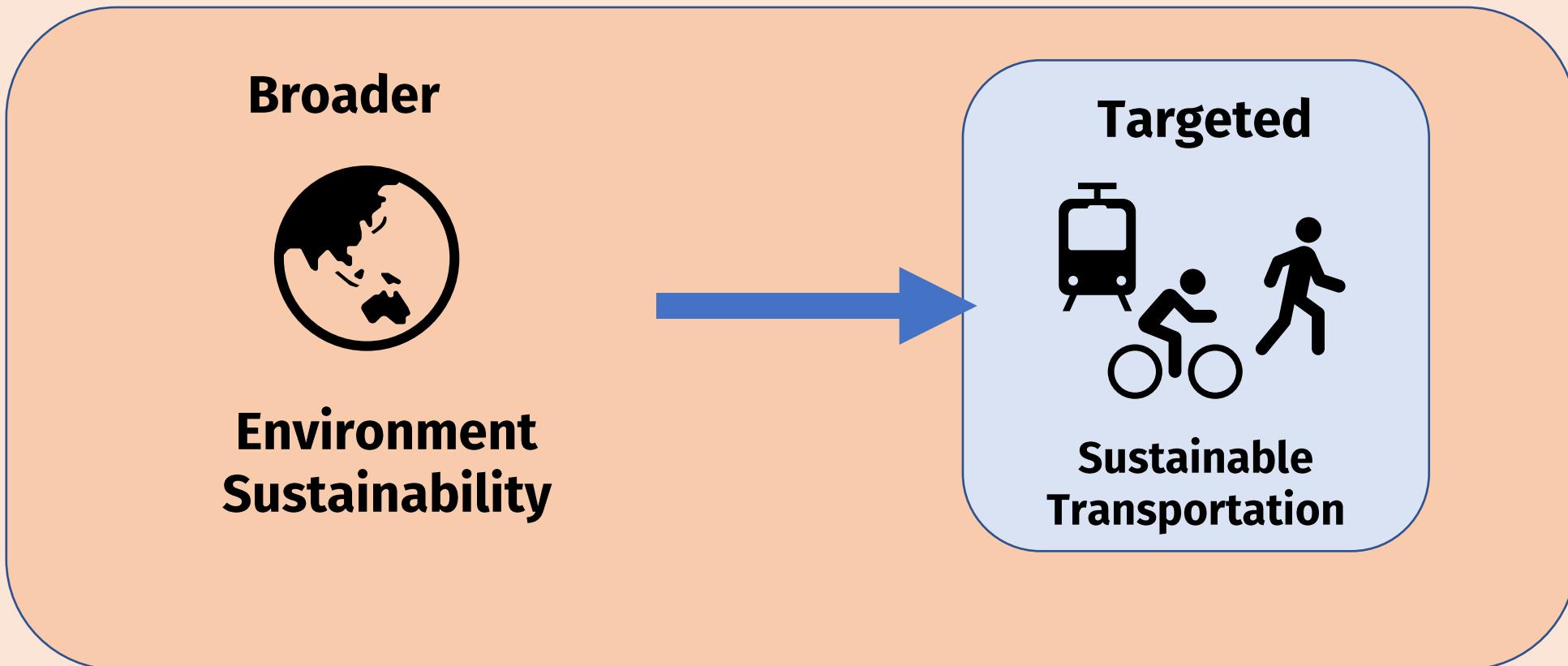
# Non-discrimination

- How can survey participants voice their concerns about how their data is being displayed?
- How can participants prevent discrimination?

# Connecting Design Justice to Data Justice



# Connecting Design Justice to Data Justice



# The Bridge of E (lde)thics



# Bridge of E(ldin)thics



Bridge of E(ldin)thics

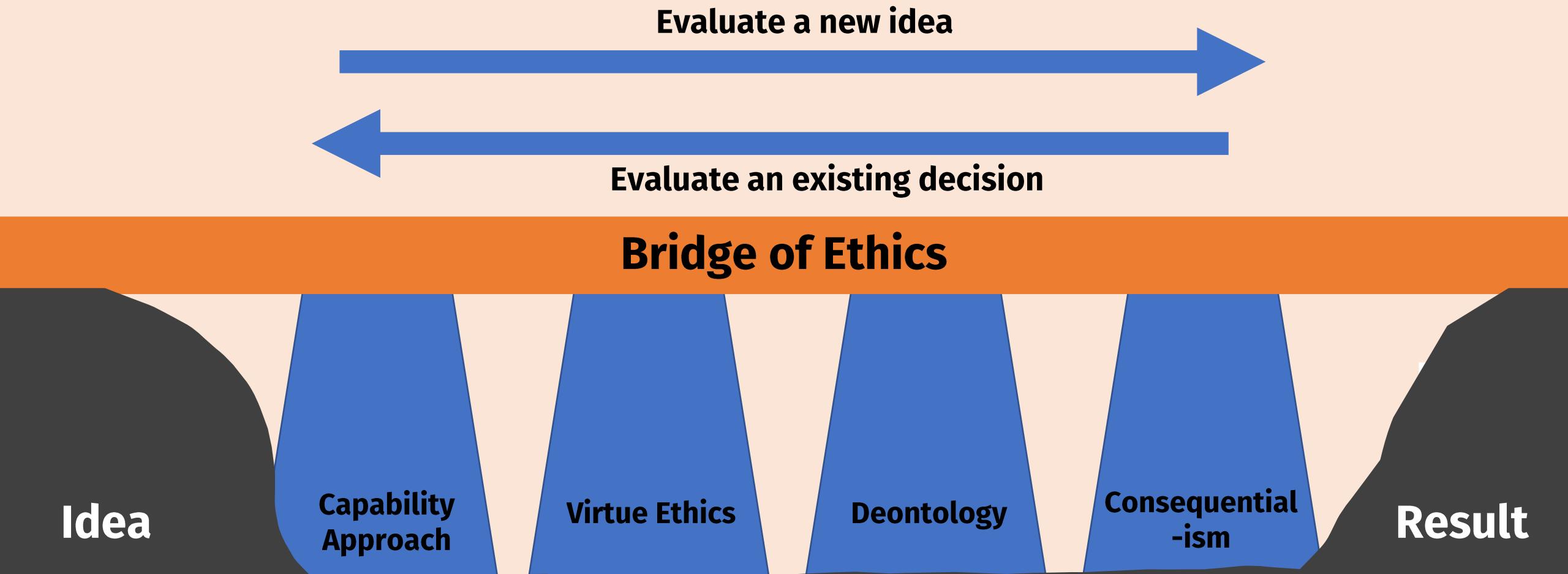
C.A.

V.E.

D

C

# Bridge of Ethics for Web Design



# **Consequentialism**

**“The ends justify the means”**

- What are the consequences of your decision?
- Do they improve the common good of those affected?

# **Deontology**

**“Every time you do something, do the thing every person should do in the same situation.”**

- What norms and expectations are you establishing?
- Are you upholding your duties of care?

# Virtue Ethics

**“Are you living a good life true to yourself by doing this action?”**

- What type of person do you become in the process?

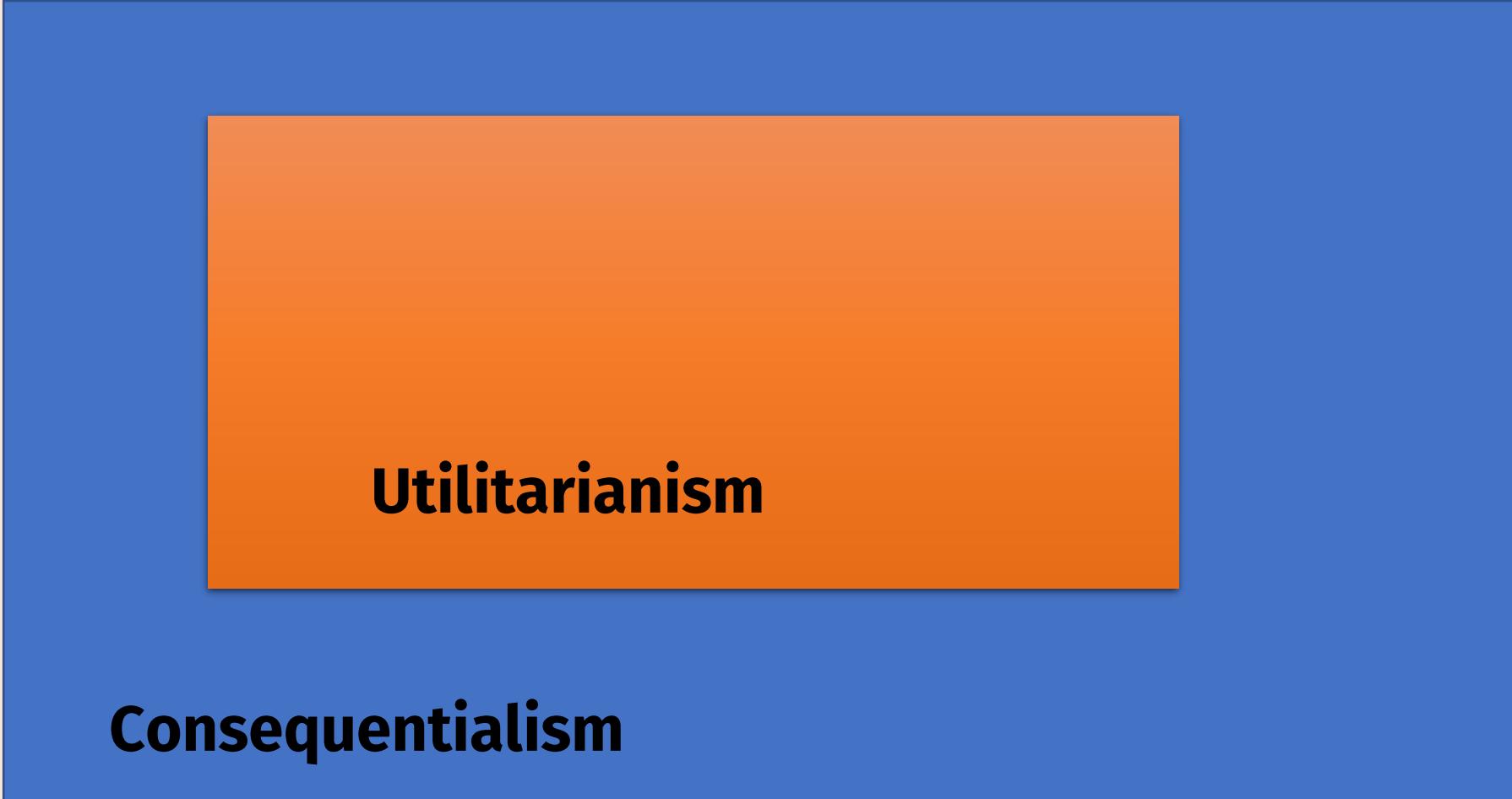
# **Capability Approach**

**“What is the actual capability for a person to achieve their own well-being?**

- What world are you building for the end-user?
- What capabilities are you granting or enabling?

# **Utilitarianism**

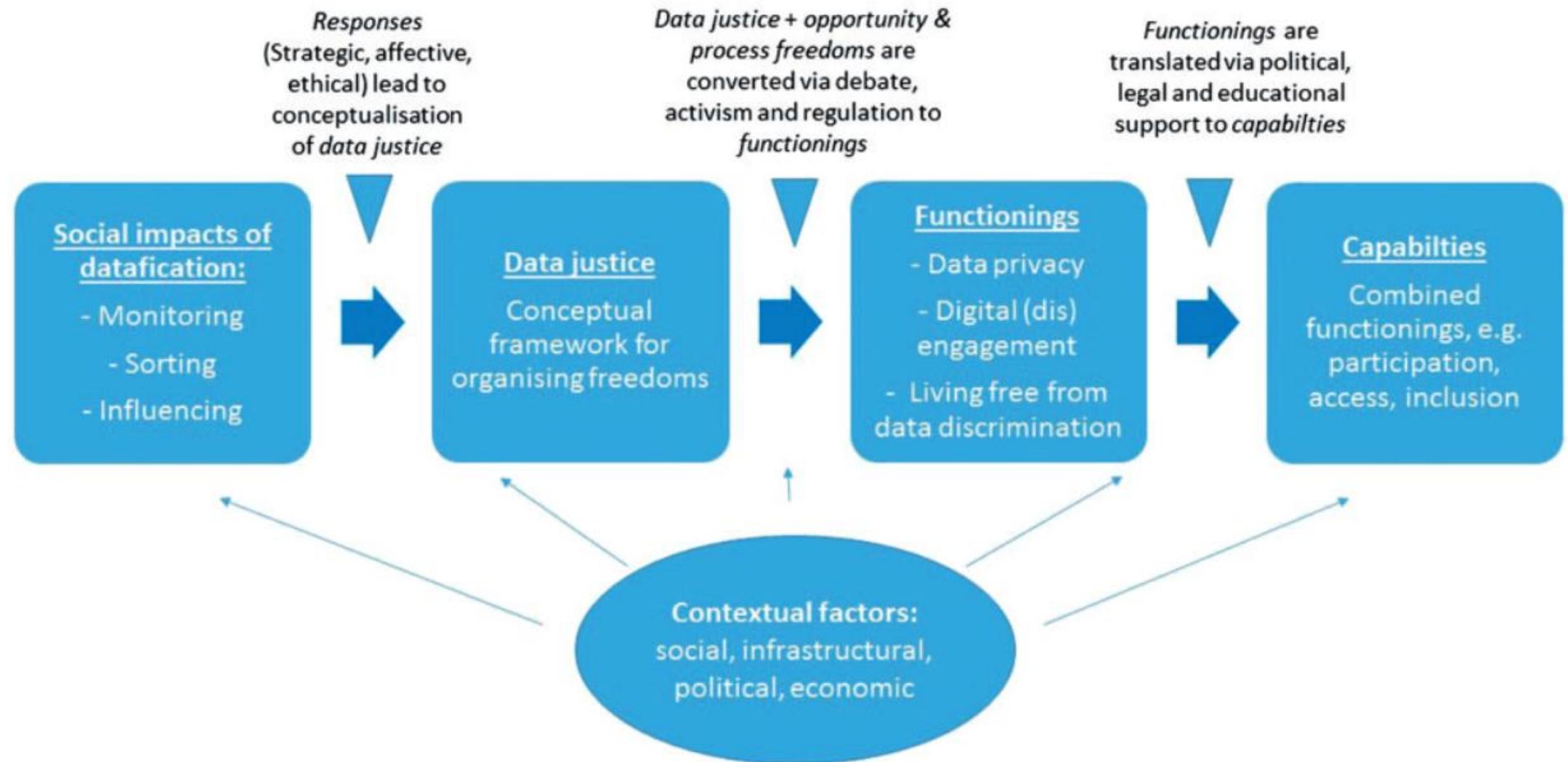
**“Do the benefits outweigh the costs?”**



**Utilitarianism**

**Consequentialism**

## The capabilities approach and the role of data justice



What is data justice? The case for connecting digital rights and freedoms globally

**Design Justice and Data Justice are  
interconnected**

# Key Takeaway:

## Design Justice



How does your application fit into the larger context of empowering civil society?

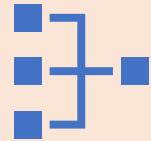
## Data Justice



Do the parts of your application protect the inherent rights of people?

Both are ethical frameworks for systemizing and defending your decisions

# Remember, ethics is about



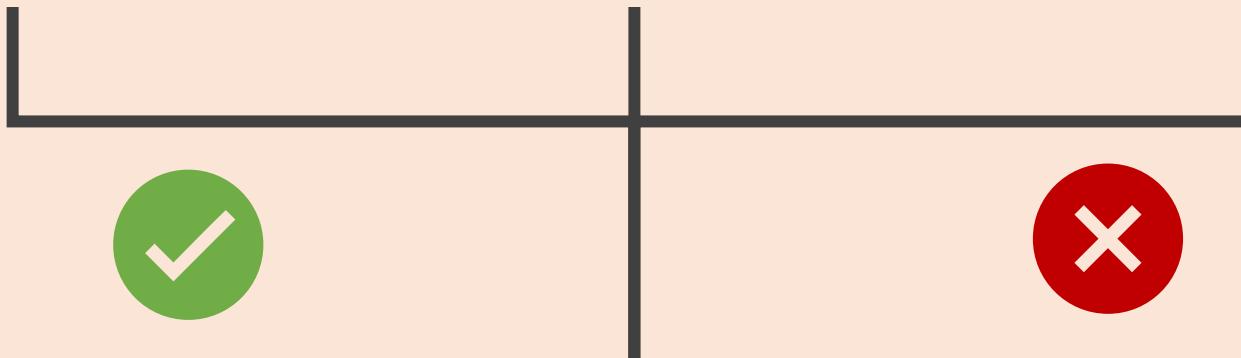
Systemizing



Defending



Recommending



Right  
Behaviors



Wrong  
Behaviors

**Ok, seriously, why is this important to mapping?**

**Maps = Interconnected power relations**

**Data Justice is **just** a subset!**

Global US Los Angeles

Data Source:  
COVID-19 Data Repository by Johns  
Hopkins CSSE

Last updated: 5/8/21

**157,284,719**

confirmed on 5/8/21

Play

Show data with symbols that are:

Proportional Logarithmic

Confirmed ↗ Deaths ↗



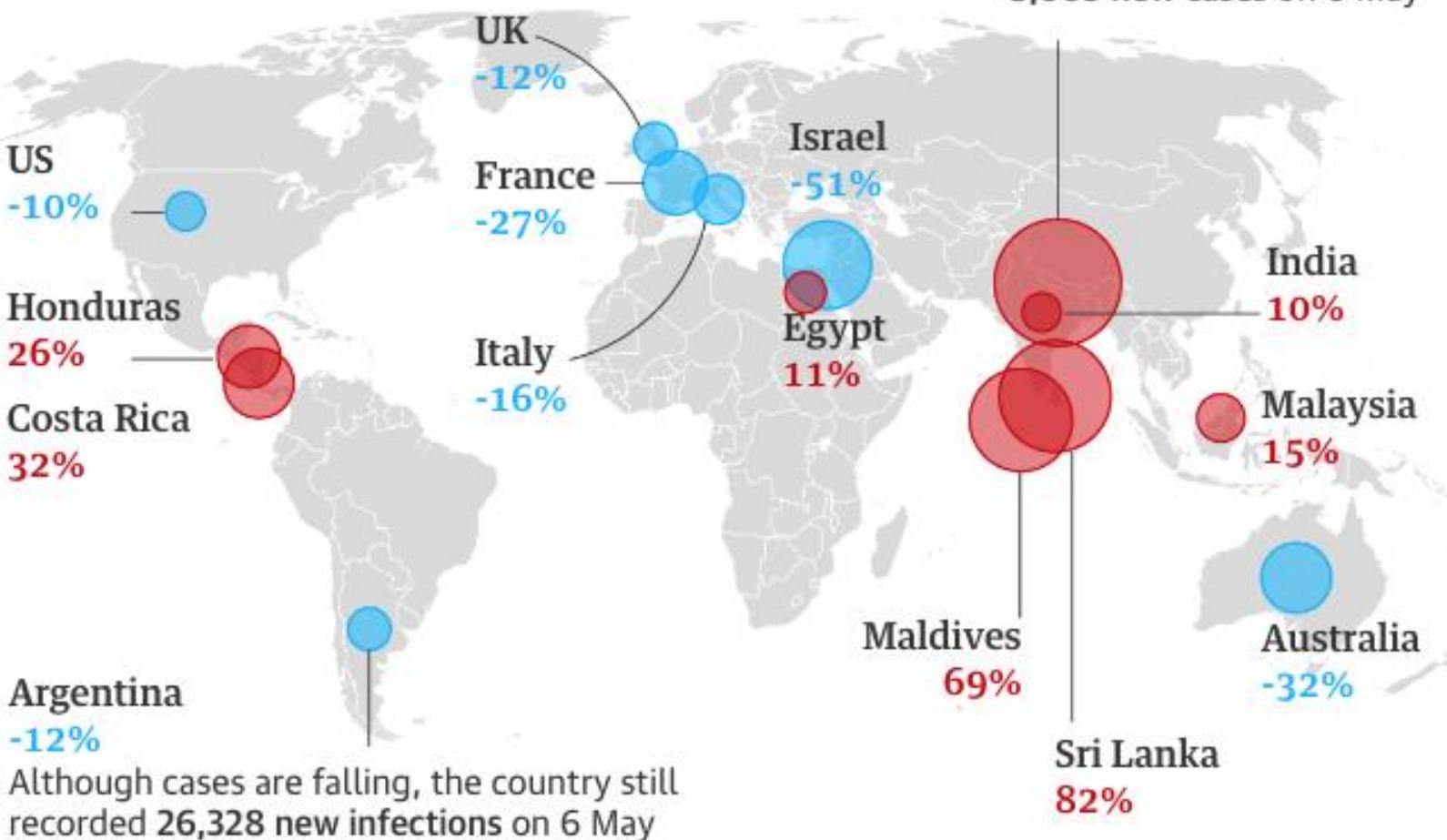
	Cases	Deaths
US	32,686,256	581516
India	21,892,676	238270
Brazil	15,145,879	421316
France	5,718,165	105530
Turkey	5,016,141	42746
Russia	4,816,331	111097
United	4,433,090	127603

Map data © OpenStreetMap contributors CC BY SA Imagery © Mapbox

<https://sandbox.idre.ucla.edu/covid19/>

# Rising and falling Covid-19 cases

The past week has highlighted disparities between richer and poorer nations when tackling the pandemic



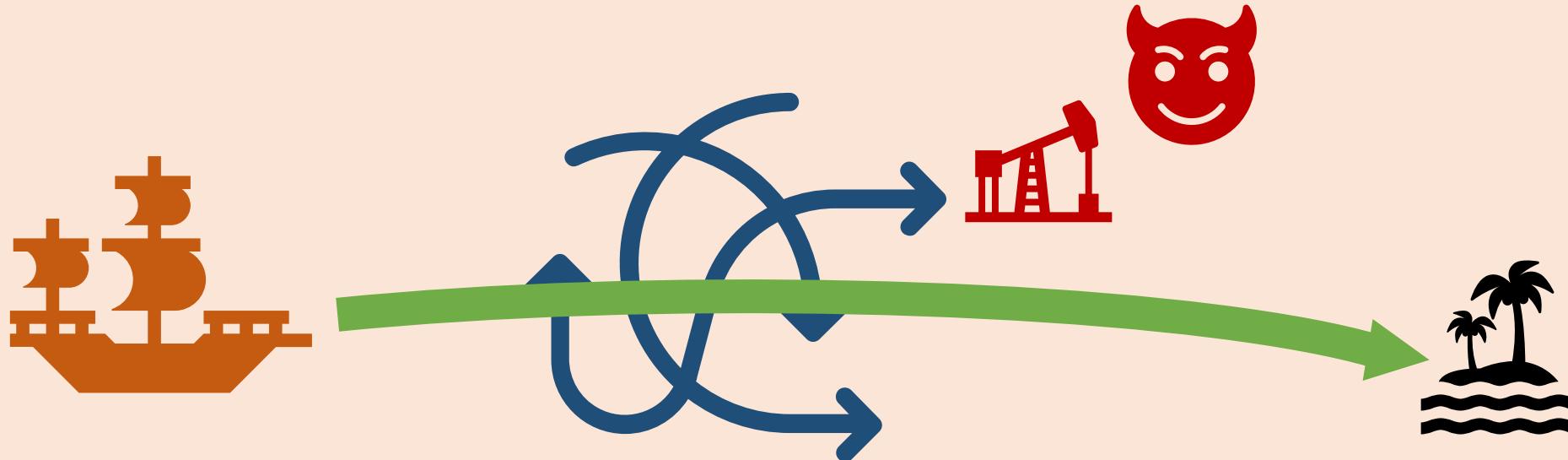
Guardian graphic. Source: WHO Covid-19 dashboard

**Data is not “objective”.**  
**Our applications are not “objective”.**  
**What is “objective” then?**

**Our experiences and the experiences of the  
communities we facilitate and empower.**

We **must** focus our applications with ethical frameworks to avoid misconceptions.

**Why?**



**Decide where you want to be going with your mapplication.**

**Or external forces will decide that for you.**

**And you will just be upholding the status quo... and  
not transforming civil society.**

**Be intentional and thoughtful**

# **Key: Be intentional and thoughtful**

**If your designs and data intentions are not clear,  
it will be easy for others to turn your intentions  
against you and the community.**

# **Most critical point for your group projects**

**Be intentional in what you design, how you engage with community, and what you choose to share.**

**Design is relatively easy**

**Justice is hard**

**But.....**

**The arc of the moral universe is long,  
but it bends towards justice.**

**-Martin Luther King Jr.**

**So, let's fight on the side of the moral arc.**

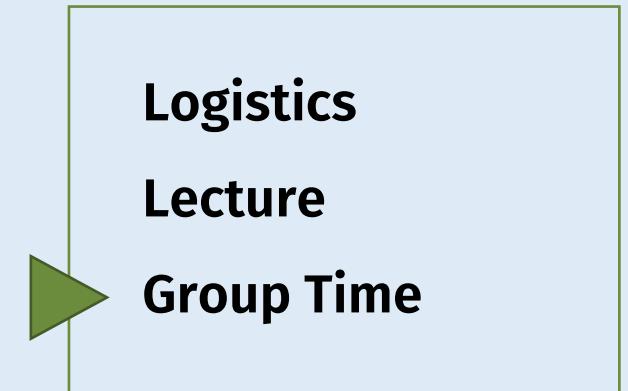


***And now for something completely different***

# **Revisiting Design Justice to put us in it**

---

**Human-Centered Design**



# **Group Exercise: Taking surveys**

# Group Peer Review Exercise

**1. Go to this Google spreadsheet :**

<https://docs.google.com/spreadsheets/d/1svMIHd8KyPr7VmgU1bKC5wbRPS9sMtNnjXDgoTH5GMo/edit#gid=2120264382>

**2. Find your group read the user story in the memo.**

**3. With the user story in mind, take the survey.**

**4. Repeat for Group #2**

# **Assignments**

**Due Wednesday 7/24:**

1. Lab Assignment #4
2. Group Assignment #4 - Rough Draft (Optional)

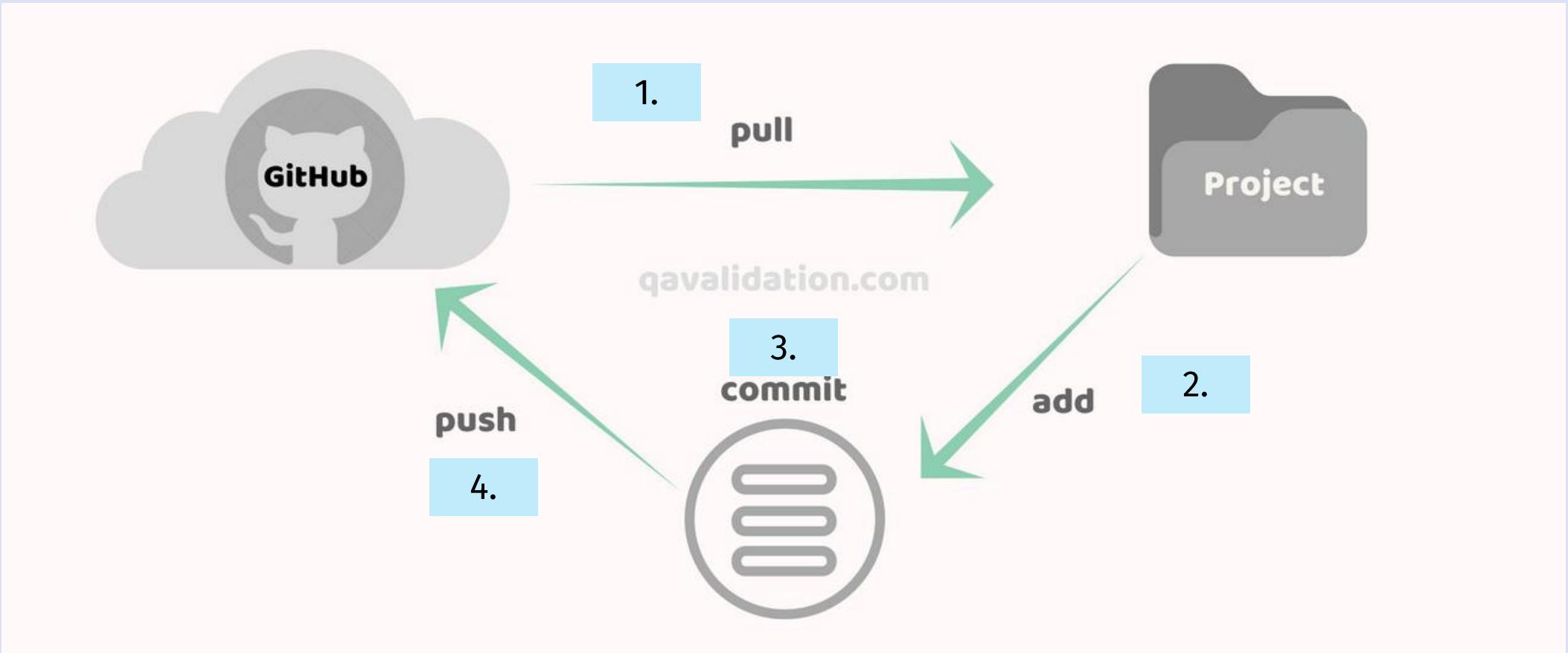
**Due Monday 7/29:**

1. Group Assignment #4 – Rough Draft

**Due Wednesday 7/31:**

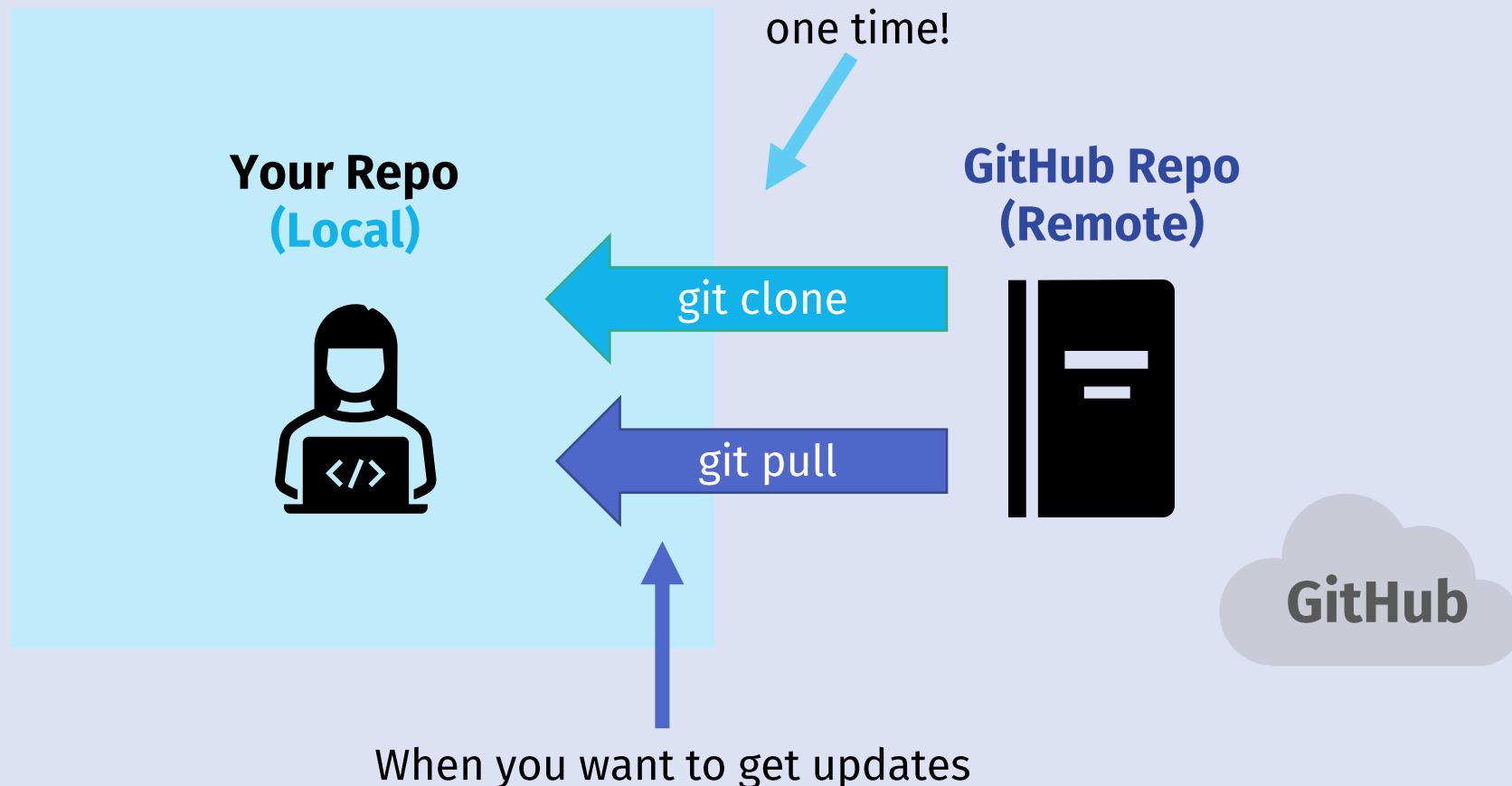
1. Final thinking cap
2. Final Project

# The git process



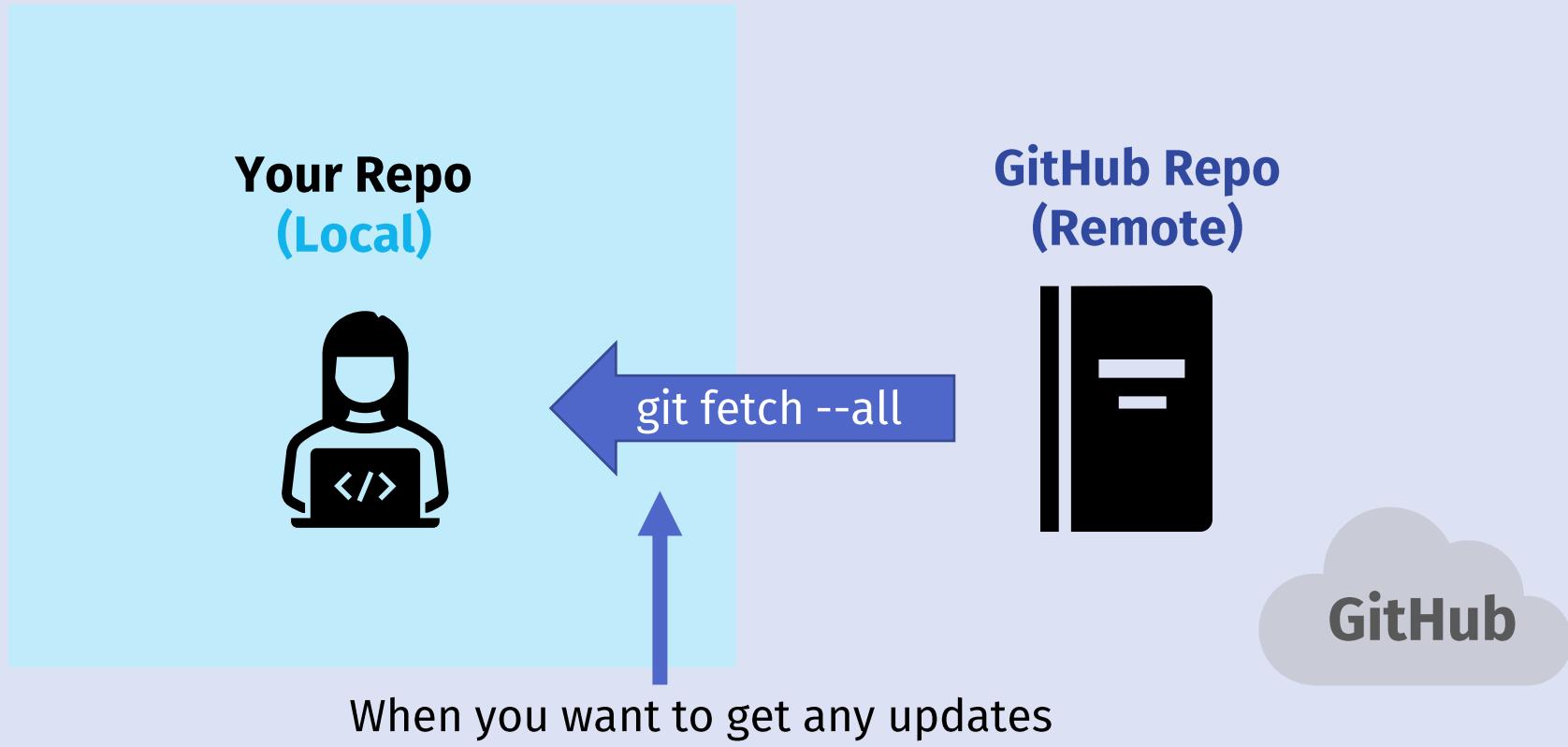
1. Pull changes
2. Add changes
3. Commit changes (with a message)
4. Push changes

# git cloning/git pull



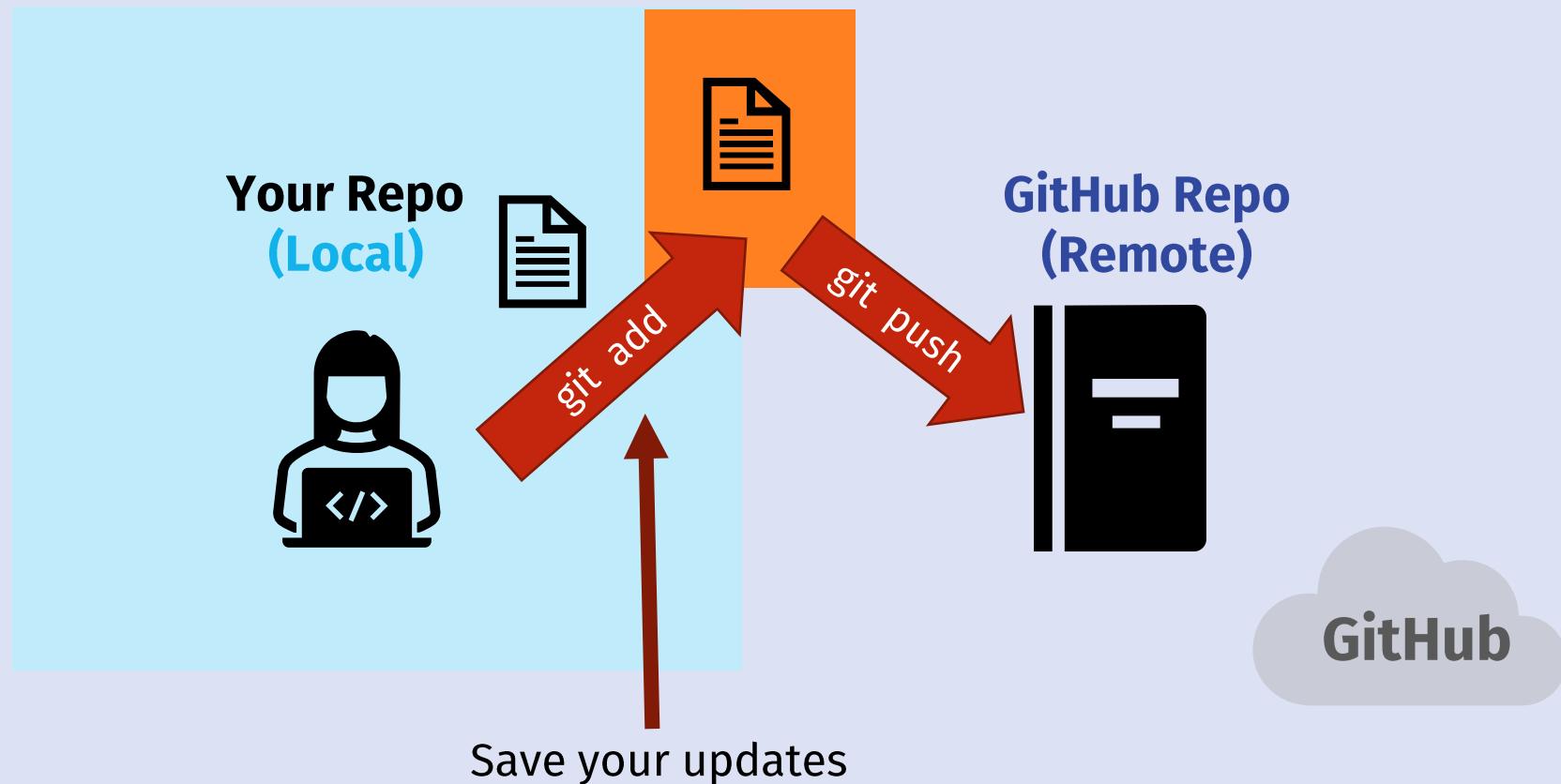
**“Getting code”**

# **git fetch --all**



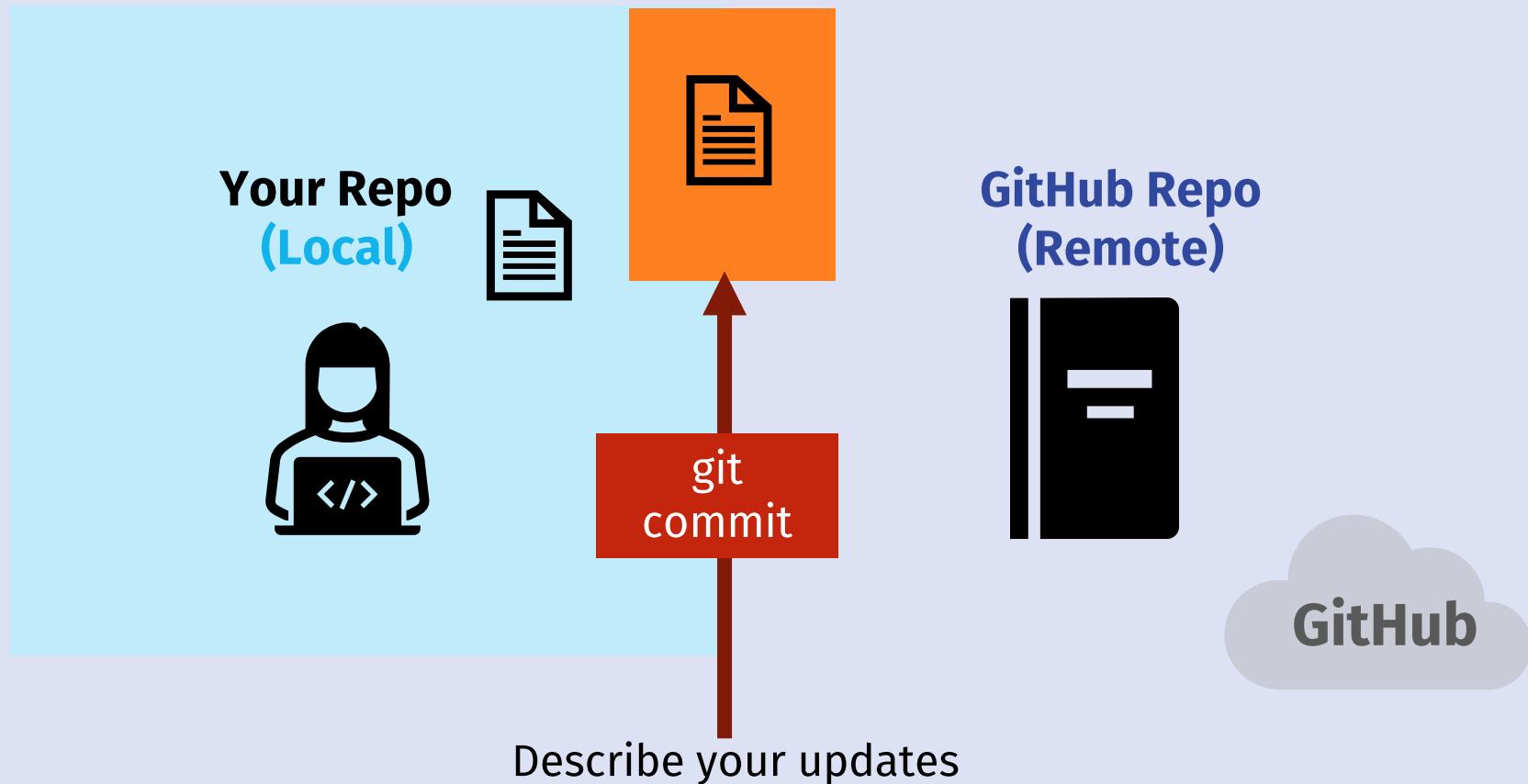
**“get new code” from **branches****

# git add



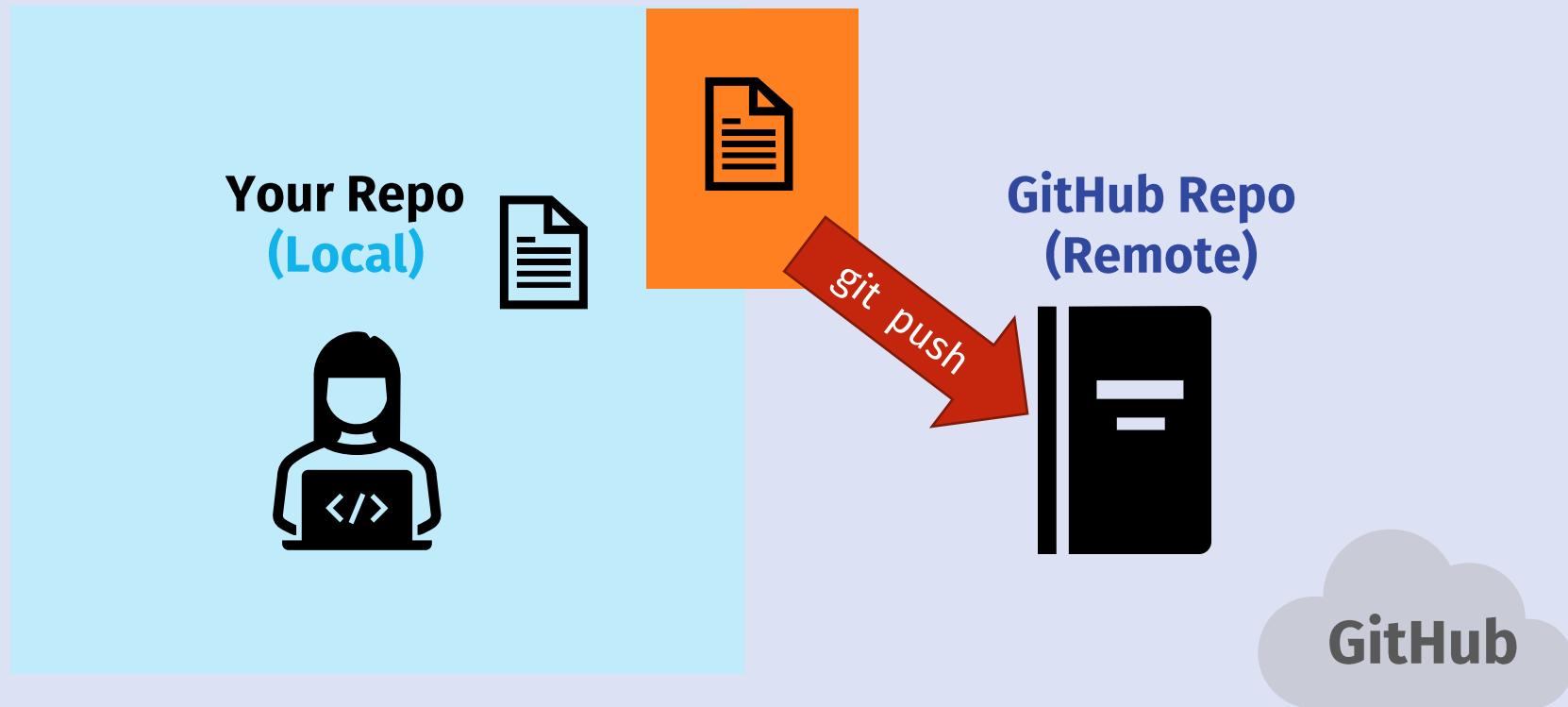
**Choose what to save**

# git commit



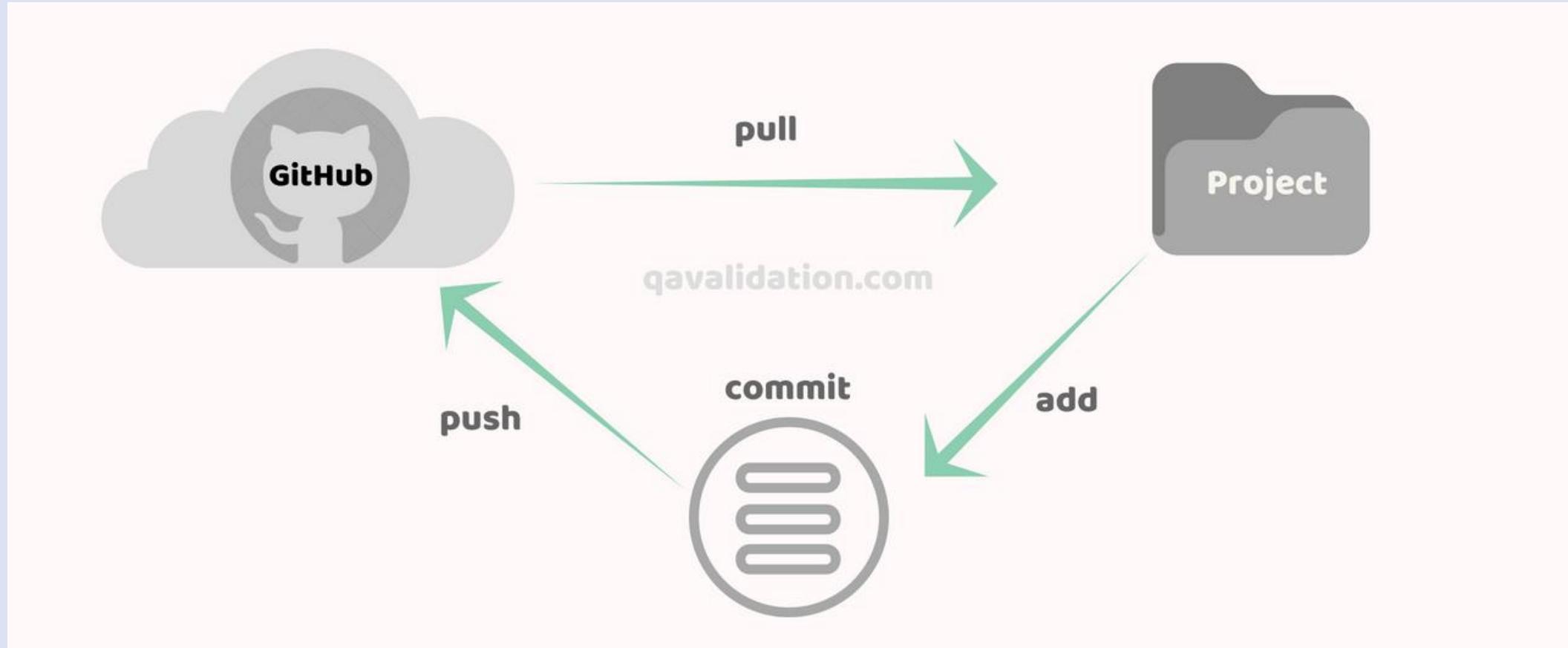
**Add a message to your save**

# git push



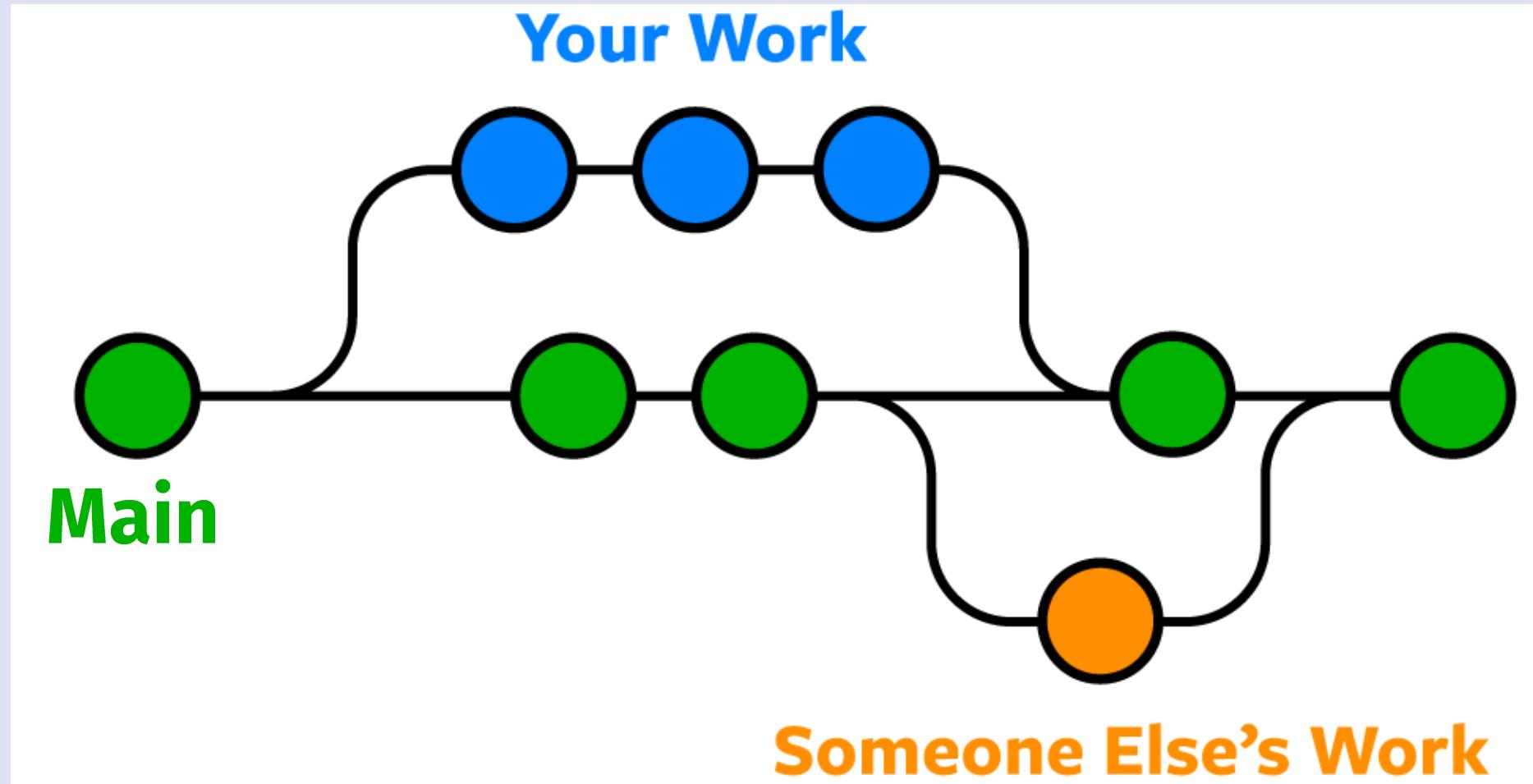
**“Push code” online to save**

# git commit



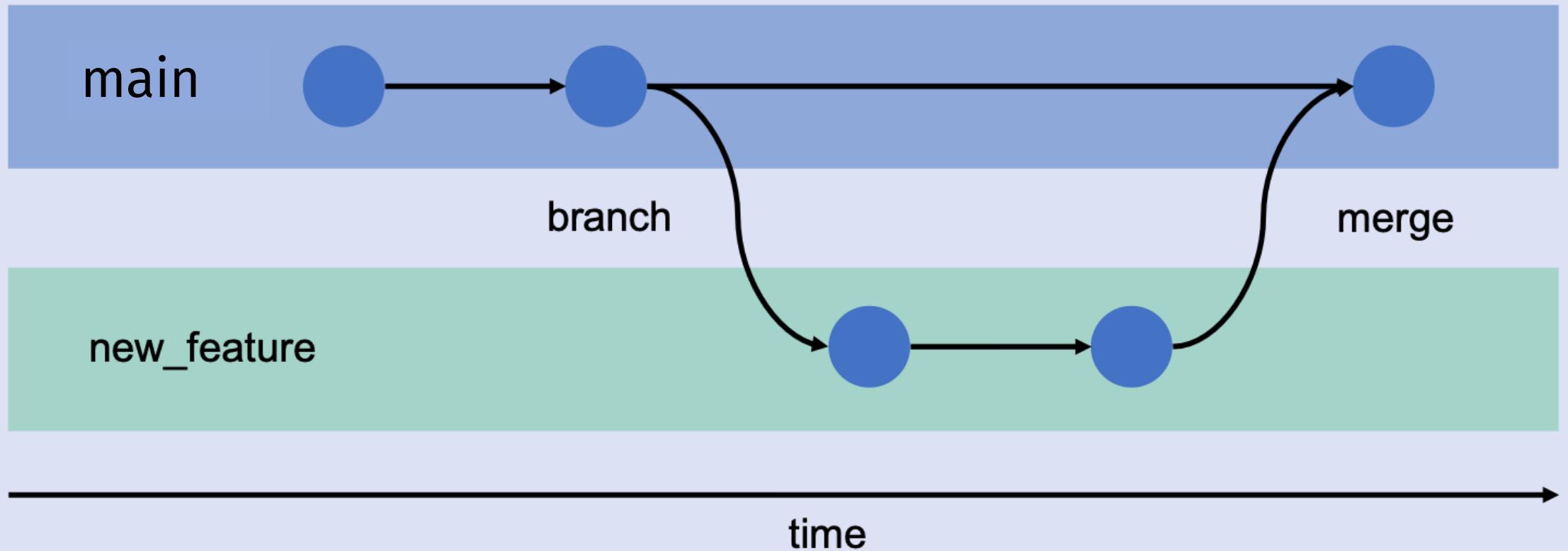
**“Adding code” to “save” with a message**

# git branches



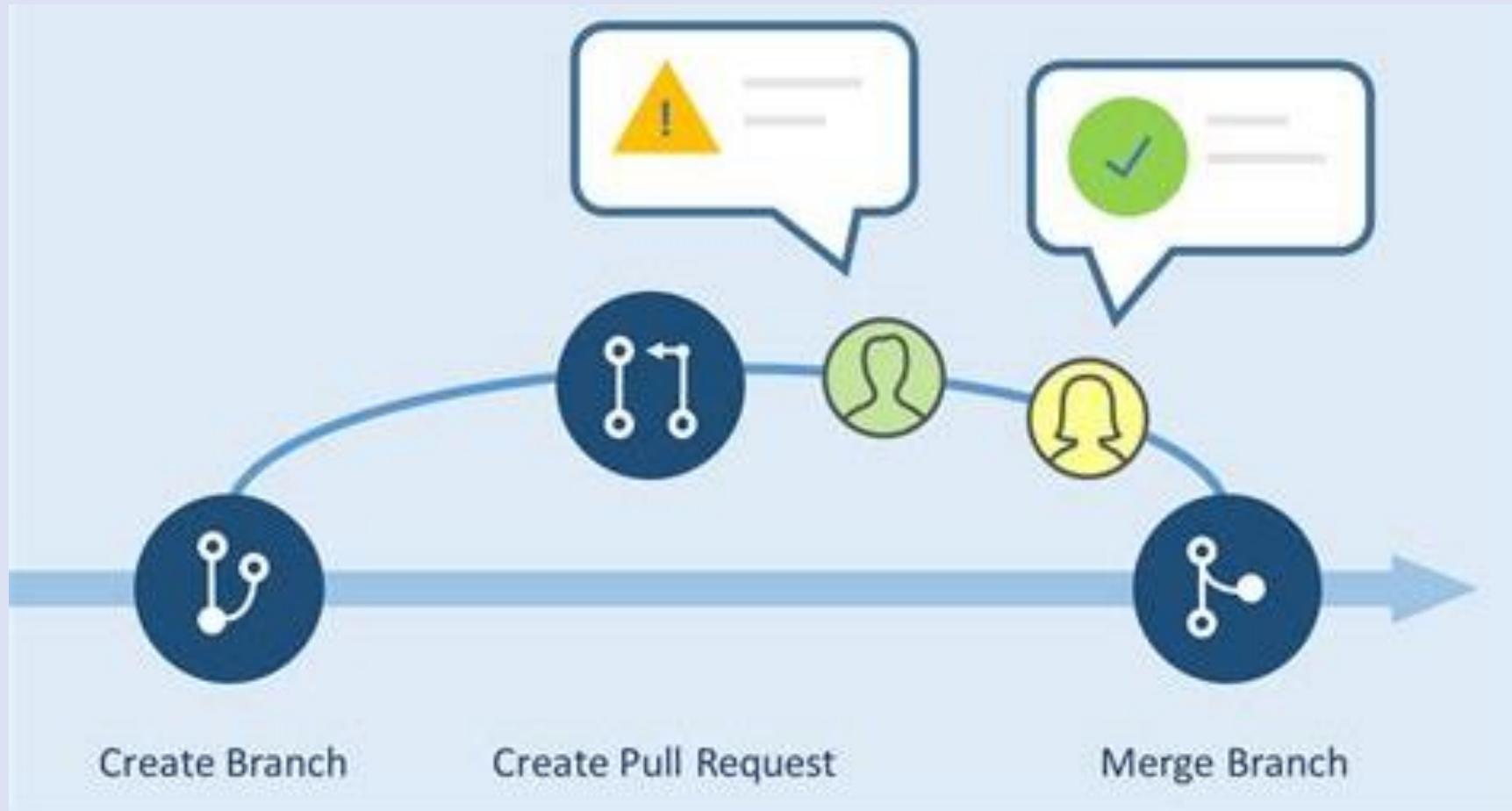
A separate timeline

# Merging



**Combining code from different branches**

# Pull Request



**“A peer reviewed” merge**

# Git Collaborating

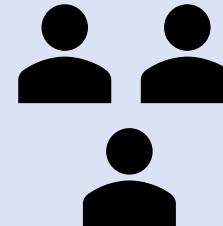
**1. Collaborative Coding Sessions**



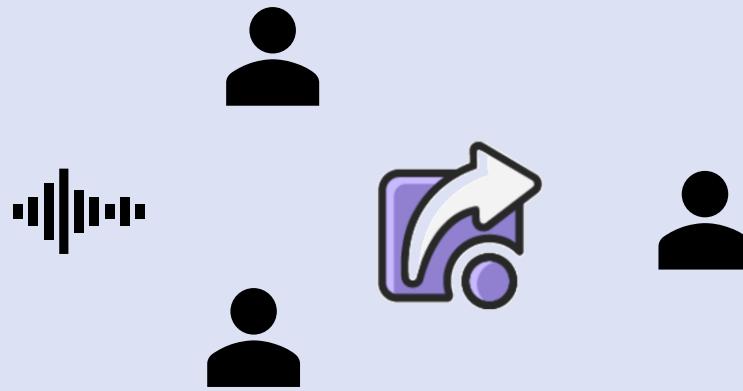
**2. Individual Coding Sessions**



**3. Pair Coding Sessions**



# Collaborative Coding Sessions



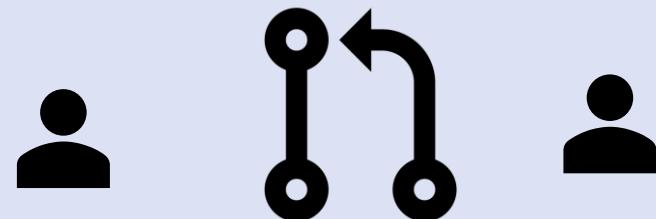
SESSION DETAILS

- Participants (3)
  - Jon W Chu • Header.js:12
  - Amanda Silver • GuestbookGrid.js:13
  - PJ Meyer • GuestbookGrid.js:9
- Shared Servers (2)
  - localhost:3000
  - REST API
- Shared Terminals (2)
  - bash (Read-only)
  - bash (Read/write)
- Audio Participants (3)
  - Jon W Chu
  - Amanda Silver
  - PJ Meyer

```
1 import GridArrow from "./GridArrow";
2 import GridLegend from "./GridLegend";
3 import GuestbookGridCell from "./GuestbookGridCell";
4
5 export default class GuestbookGrid extends Component {
6   constructor(props) {
7     super(props)
8     this.state = PJ Meyer
9     | signatures: signatures
10   }
11 }
12 Amanda Silver
13 render() {
14   const cells = this.state.signatures.map((signature, index) => {
15     | <GuestbookGridCell key={index} {...signature} />
16   });
17 }
18 }
```

## Live Share extension in VS Code

# Individual Coding Sessions



Pull Requests

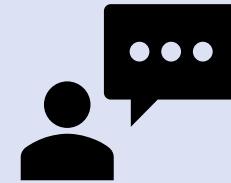
Merge changes using GitHub

# Pair Coding Sessions

**Look over one's shoulder**

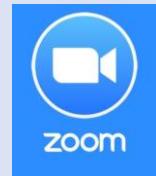


**Driver**



**Navigator**

**Can happen online with screen share over Zoom/Discord/etc.**



**Work Side-by-side with only one person coding**