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Beyond Web Development and GIS for Social Change:

Critical Data Studies for Transforming Civil Society

Rachel Chan
Wilny Duong
Kathryn Greenler
Ana Gu
Ericko Halim
Ray Hsiao
Sam Karakas Warner
Latisha Sumardy
Nathakin Leepreecha
Nina Long
Alize Magana
Andi Min
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Michelle Nguyen
Emily Pham
Anny Rodriguez Viloria
Vanessa Ta
Lauren Valles
Adhvaith Vijay
Jess Xu
Brian Zamora
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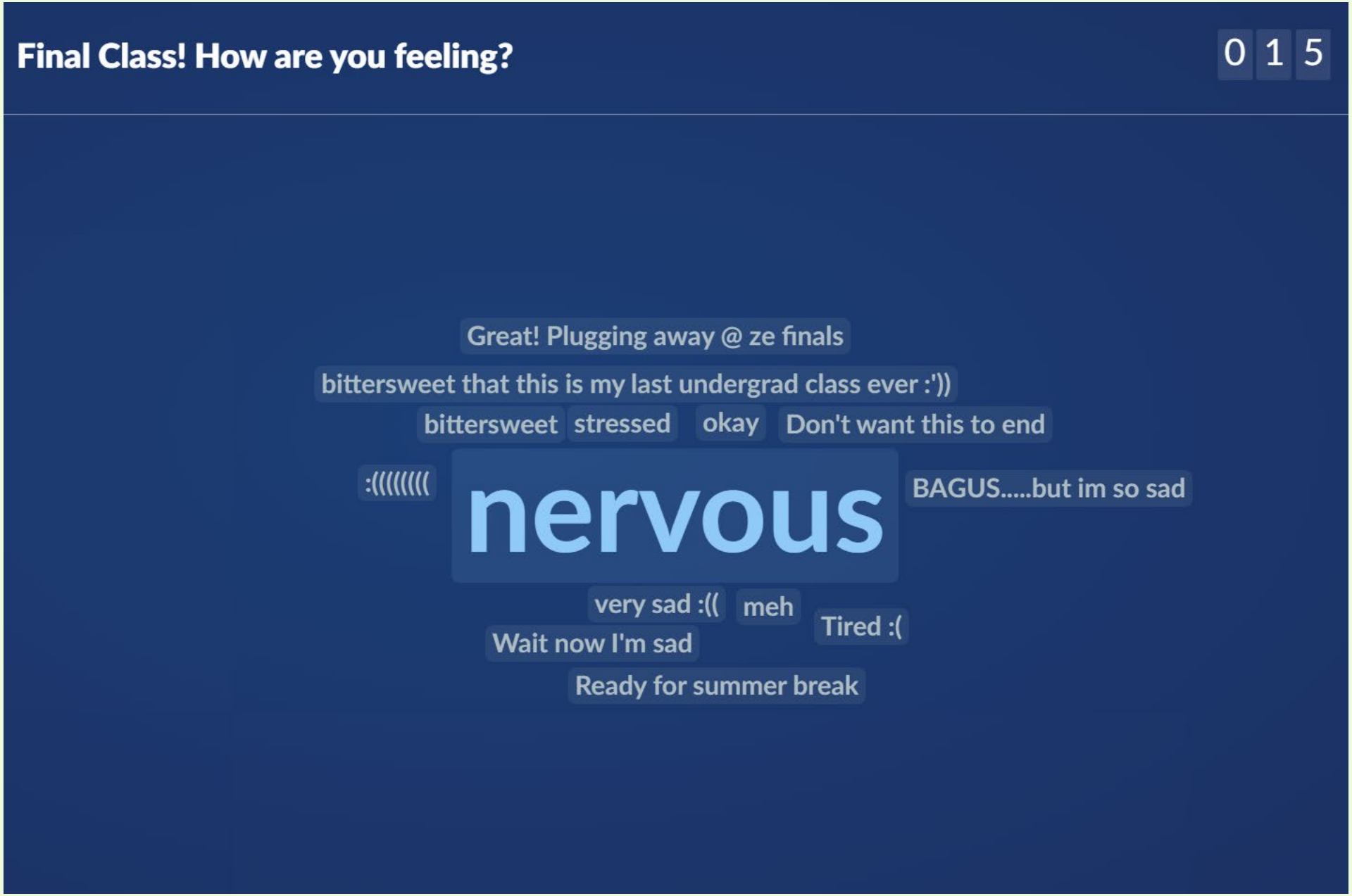
Week 10 | June 1st, 2021

Spoiler alert!

slido

Lecture 10

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

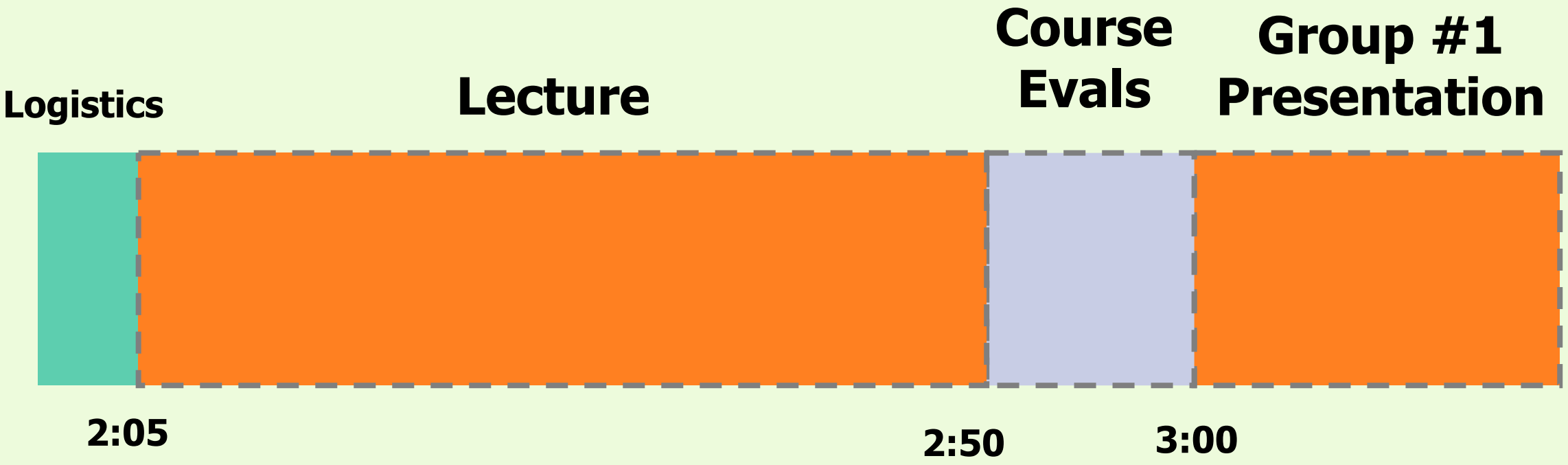


Last Slido Word Cloud

First Slido Word Cloud

Top 50 words Word Cloud

Today's Agenda



Presentation Guidelines

Point of the presentation:

Pitching the project to the audience, not simply demoing your website!

Presentation Guidelines

1. **Introduce** the project (< 30 seconds)

2. **Who** is the project for and why is it important? (2-3 mins)

3. **What** does your website do, and **how** does it empower people? (2-3 mins)

4. **Demo** of the website (or screenshots) (2 mins)

5. How would you like your project to be **used** in the **future** or **by the community members**? (2 mins)

https://github.com/albertkun/21S-ASIAAM-191A/blob/main/final_group_assignment.md#presentation-guidelines

Theme of the week

Thank you for an empowering 10 weeks!

Beyond Web Development and GIS for Social Change

Enough stooling for time!
Wood you get on with the last lecture?

All leveraged in different ways for social change

But don't forget this imbalance on technology

A CAUTIONARY TALE
imgflip.com

MOBILE

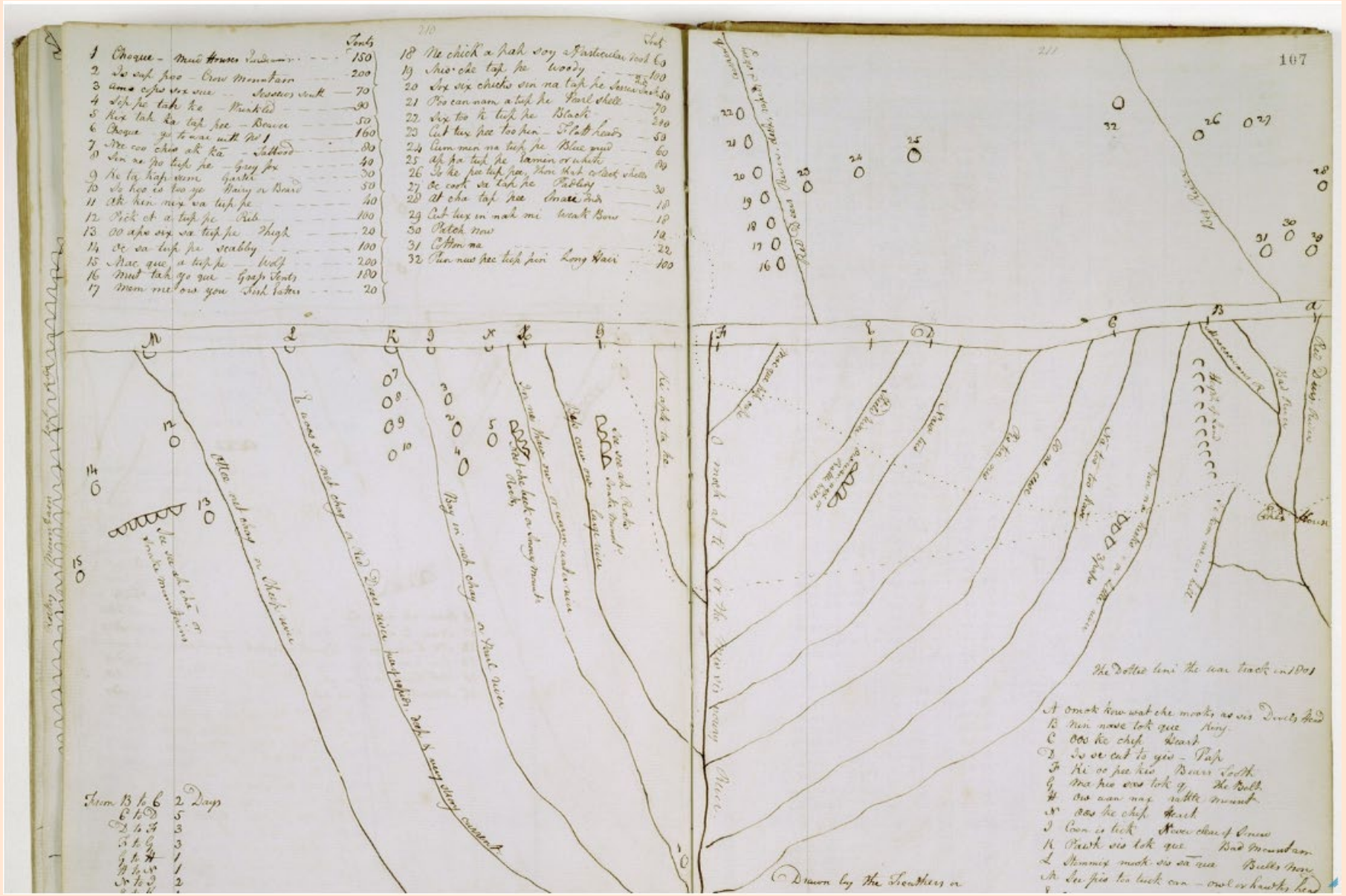
Google Photos will start charging you for uploads today

By Christian de Looper
June 1, 2021 5:31AM PST

Google Photos has been one of Google's most popular services ever since it was launched in 2015, offering unlimited free photo storage at so-called "high-quality." As was announced in November, however, that's coming to an end. Today, June 1, Google Photos will begin charging you for any storage over 15GB.

It's up to you how you apply this class.

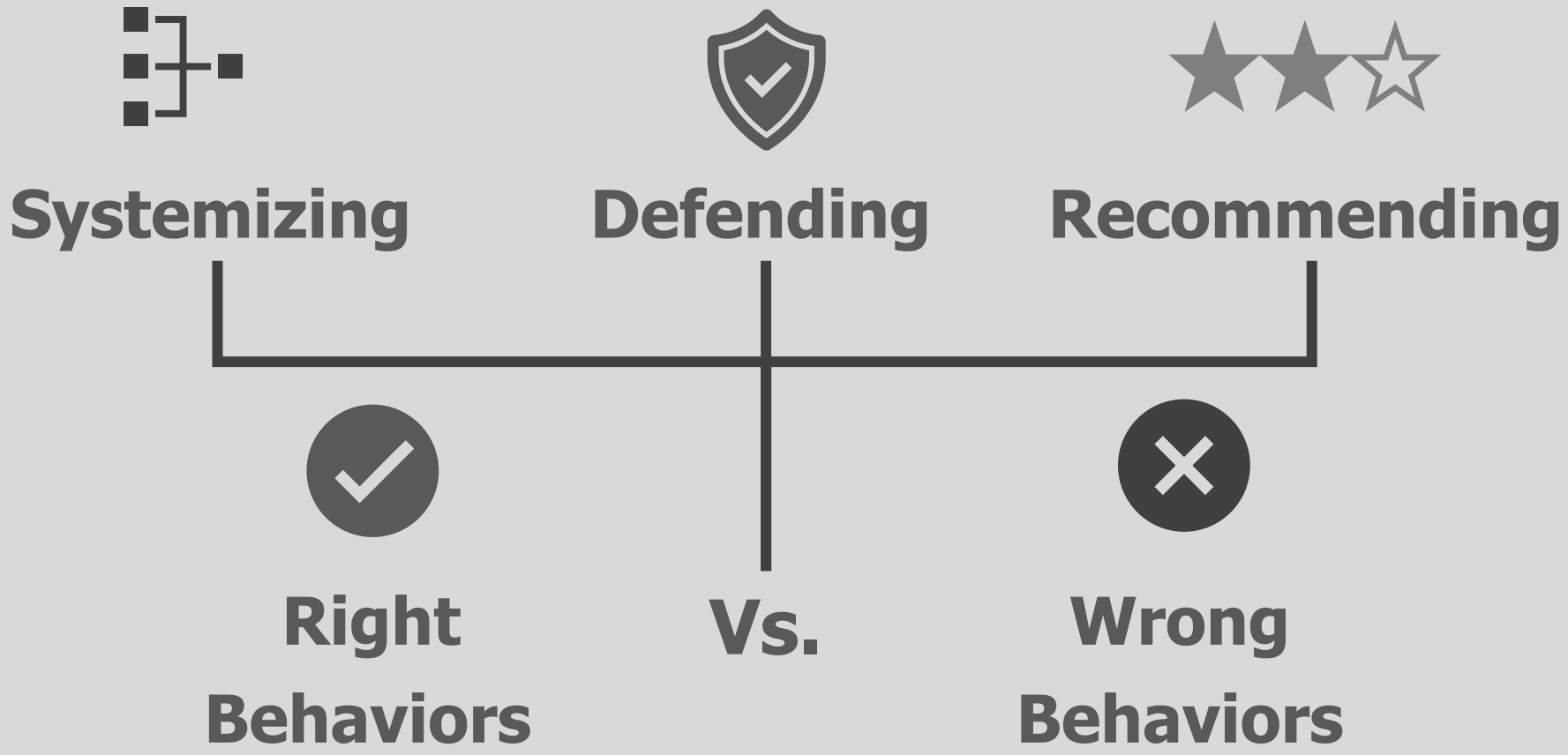
https://www.ndstudies.gov/gr8/content/unit-ii-time-transformation-1201-1860/section-2-indian-maps-louisiana



https://www.ndstudies.gov/gr8/content/unit-ii-time-transformation-1201-1860/section-2-indian-maps-louisiana

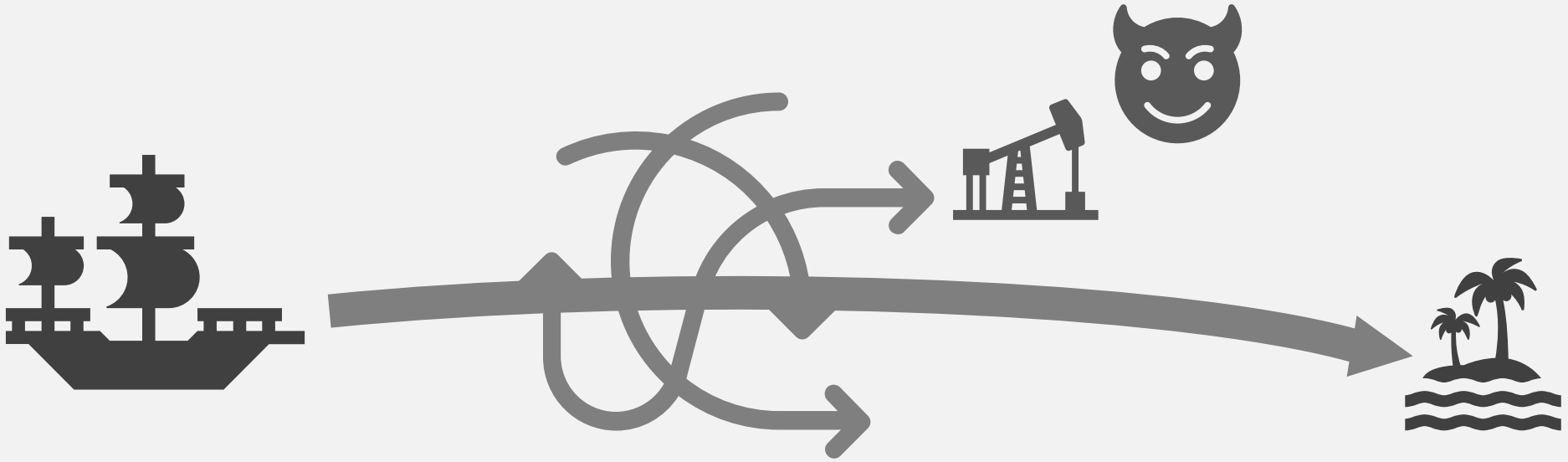
Remember this?

Ethics is about:



There are no right answers in ethics, but just thinking about it is the first step in the right direction

Why? Remember this?



Decide where you want to be going with your mapplication.

Or external forces will decide that for you.

Be intentional and thoughtful

Without your ethics, you are following someone else's course.

With ethics in mind, you are all equipped to explore!

Open Source Web Mapping

3D Mapping

http://examples.webglearth.com/

https://cesium.com/platform/cesiumjs/

Complicated 2D Mapping

https://openlayers.org/

https://d3js.org/
https://mappingwithd3.com/

Open Source Web Mapping by companies

https://kepler.gl/

https://carto.com/

Closed Source Web Mapping by Companies

ArcGIS API for JavaScript

https://developers.arcgis.com/javascript/latest/

ArcGIS StoryMaps

https://storymaps.arcgis.com/

Mapbox GL JS

https://www.mapbox.com/mapbox-gljs

Google Maps Platform

https://developers.google.com/maps/apis-by-platform

For this class...

Web development is not just about code

It's about developing a web of connections!

To software

To communities

To ethics

To each other

Remember this?

Design is relatively easy

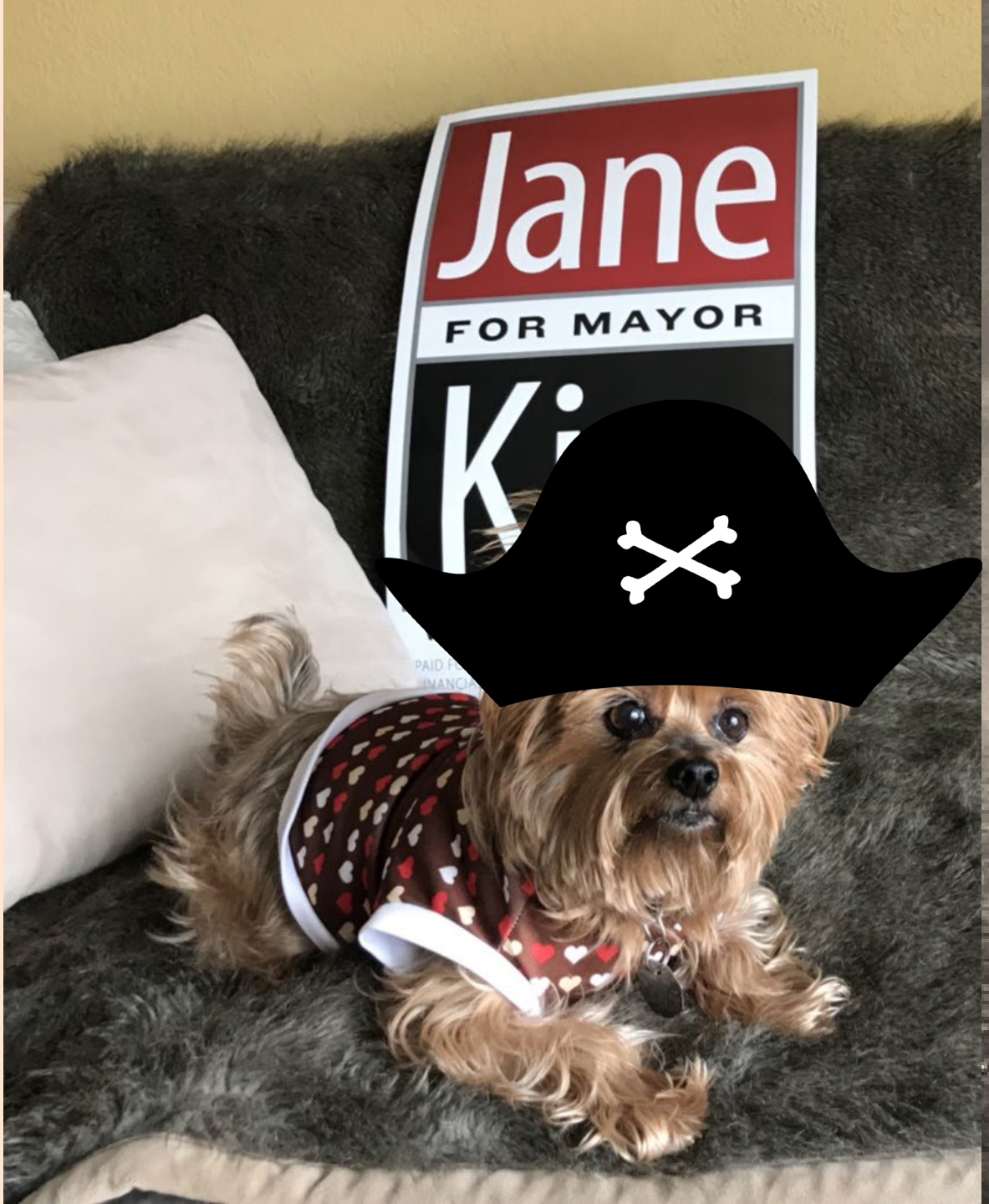
Justice is hard

But...

You don't have to go at it alone.

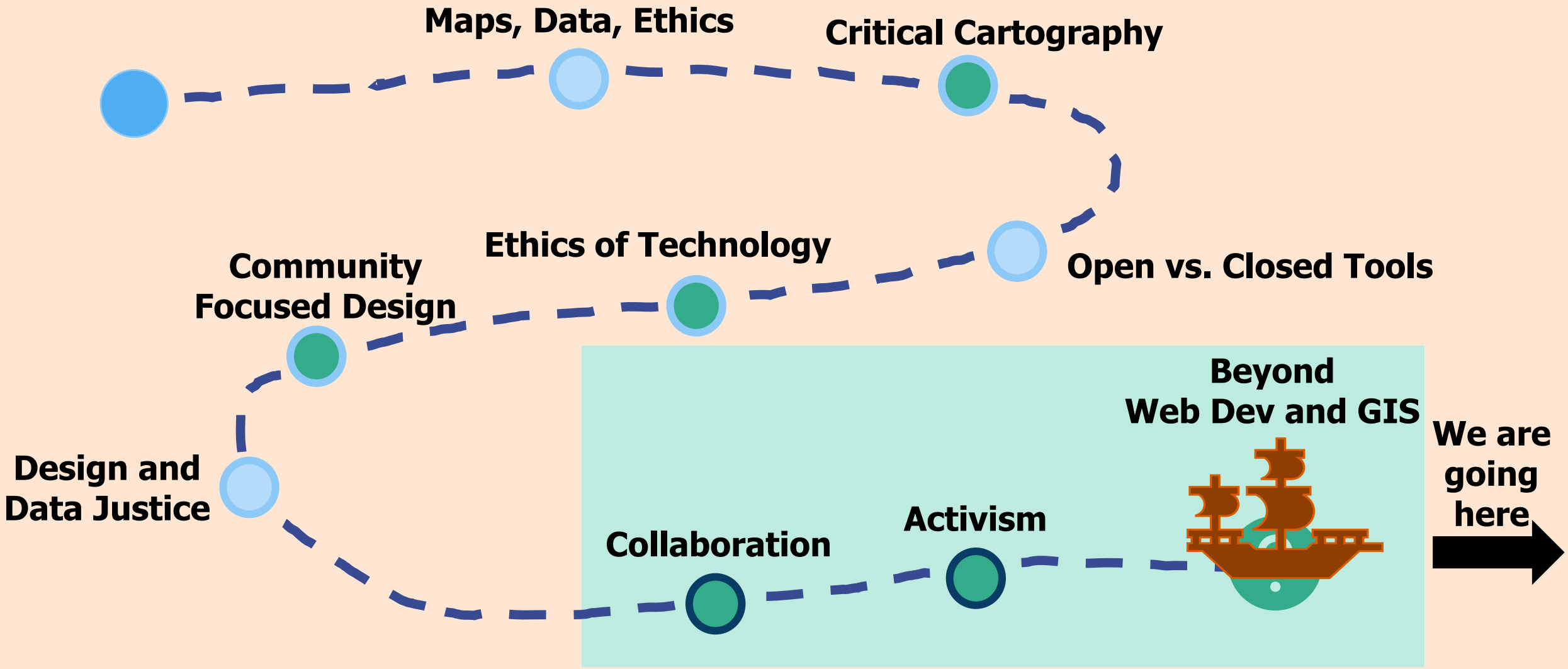
We are Linked together now!

Our journey has come to an end...

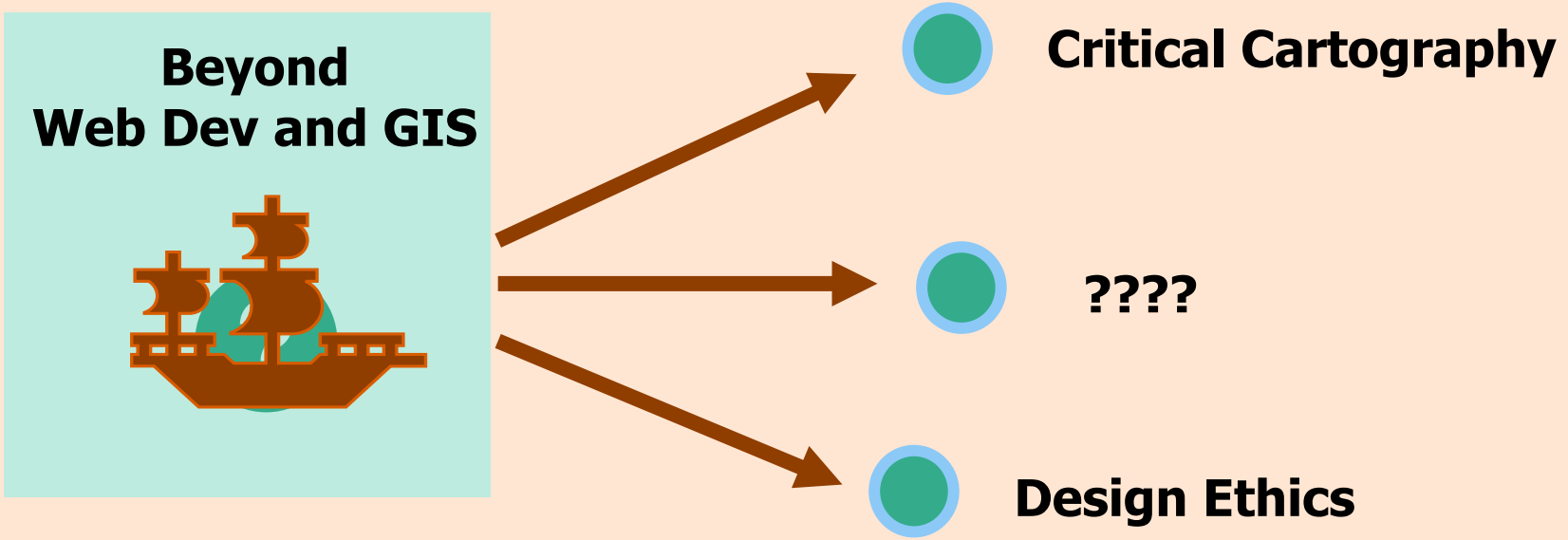


Hopefully it wasn't too (Yorkshire) Terriarrr-ble!

The Course

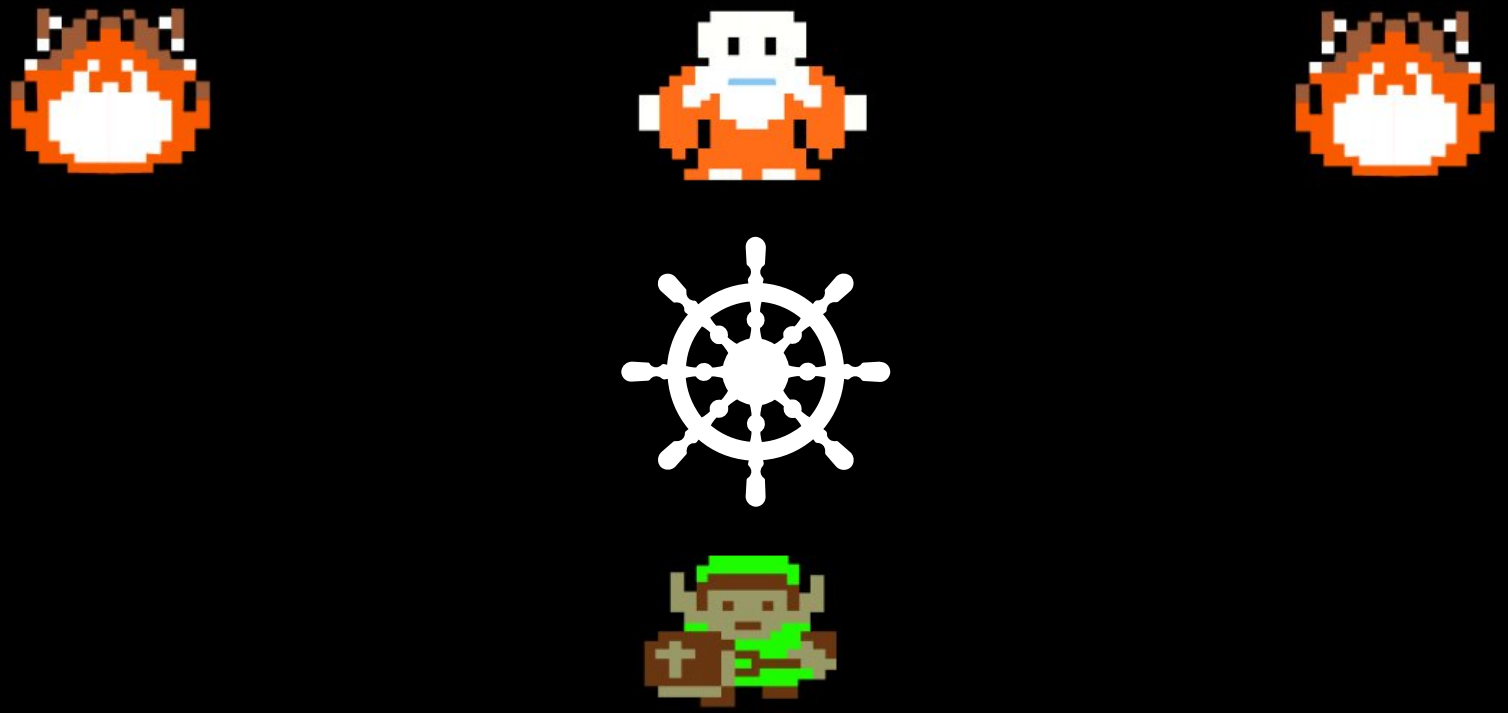

Maps, Data, Ethics
Critical Cartography
Open vs. Closed Tools
Ethics of Technology
Community
Focused Design
Design and
Data Justice
Collaboration
Activism
Beyond
Web Dev and GIS
We are
going
here

The End of a Journey...



Is the beginning of a new one...

IT'S DANGEROUS TO GO ALONE! TAKE THIS.



How do I know you will lead the ship well?

Because you all have shown you are great...

Thinking CapTains

Visiting the Voice Fin-AI Wards

The Visiting Voice
Fin AI wards

1. https://github.com/albertkun/21S-ASIAAM-191A/discussions/154#

Mariah Tso much appreciation!!!

Mariah really set the foundation of what mapping is all about and how we can visualize it. It was a really powerful introduction to the class and I was blown away by her explanation and the work that she has done. It has shown me how to critically think about cartography and understanding the power of maps.

-Jason Muljadi

Mariah was such an important start to this class for me because it really helped me reframe my understanding of maps and mapmaking, that maps come in many way shapes and forms and with different cultural significance.

-Alize Magana

I adored Mariah's visit to the class. It really left me floored and so much more excited for mapmaking, geography, and reconsider the way we use and document the physical spaces around us.

-Emily Pham

Mariah Tso much appreciation!!!

Mariah had the most impact on me, and her being the first visiting voice let me realize really quickly into the course that I had a lot of unlearning of preconceptions to do. Her presentation was powerful, and I couldn't stop thinking about it for a while after it.

-Ray Hsiao

I still vividly remembered the narrating voice of Mariah (the 1st visiting voice), her lecture has helped me connect the dots between our capitalistic past/present and the purpose of technology.

-Ericko Halim

Mariah's presentation regarding critical cartography has stuck with me the most, her presentation almost felt like a one-woman performance piece in how narrative it was.

-Vanessa Ta

We need Yoh Kawamo' Community Based Approaches!

Yoh's lecture was really inspiring because he saw what was happening in Japan in the U.S. and wanted to go to Japan to talk to the community that was directly impacted and continued to keep in contact with the people that he interviewed (as opposed to documenting everything and walking away).

-Rachel Chan

Yoh wove a compelling narrative about his experience in Japan. The juxtaposition of the screening in the intimate community space next to that in the vast room of suited businessmen left a lasting impact.

-Nina Long

The Mentorship never Lucy Shends!

The visiting voice that left the most impact on me was Lucy! Lucy's talk showed me how to authentically keep in touch with my mentors and even serve as one myself.

-Lauren Valles

Lucy has shown how technology can be used to benefit civil society, understanding how to work in the tech field while bettering society. I think the unique perspectives of all the visiting voices are wonderful, but these two really stood out to me.

-Jason Muljadi

And, that's a Rapi!
Cas'till'o Next Time!

All of the visiting voices were refreshing and eye-opening; however, Rapi was especially impactful on me! Just listening to Rapi for an hour has inspired me to go out and seek new ways to hone my passion in this area!

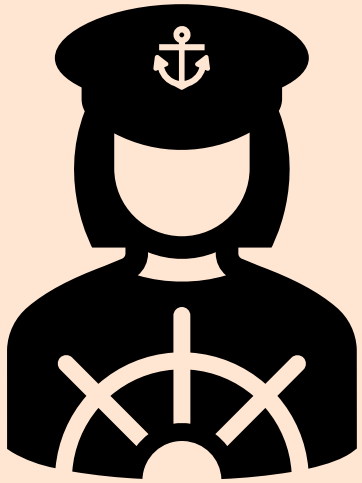
-Katie Greenler

But after hearing Rapi's experience, it opened my eyes on how much of an impact one person can make to the society via website.

–Nathakin Leepracha

Rapi's presentation helped me imagine a future for myself with all the different opportunities of map-making that works for the people.

–Alize Magana



You are in charge of the ship!

Not just any ship though!

RelationShips

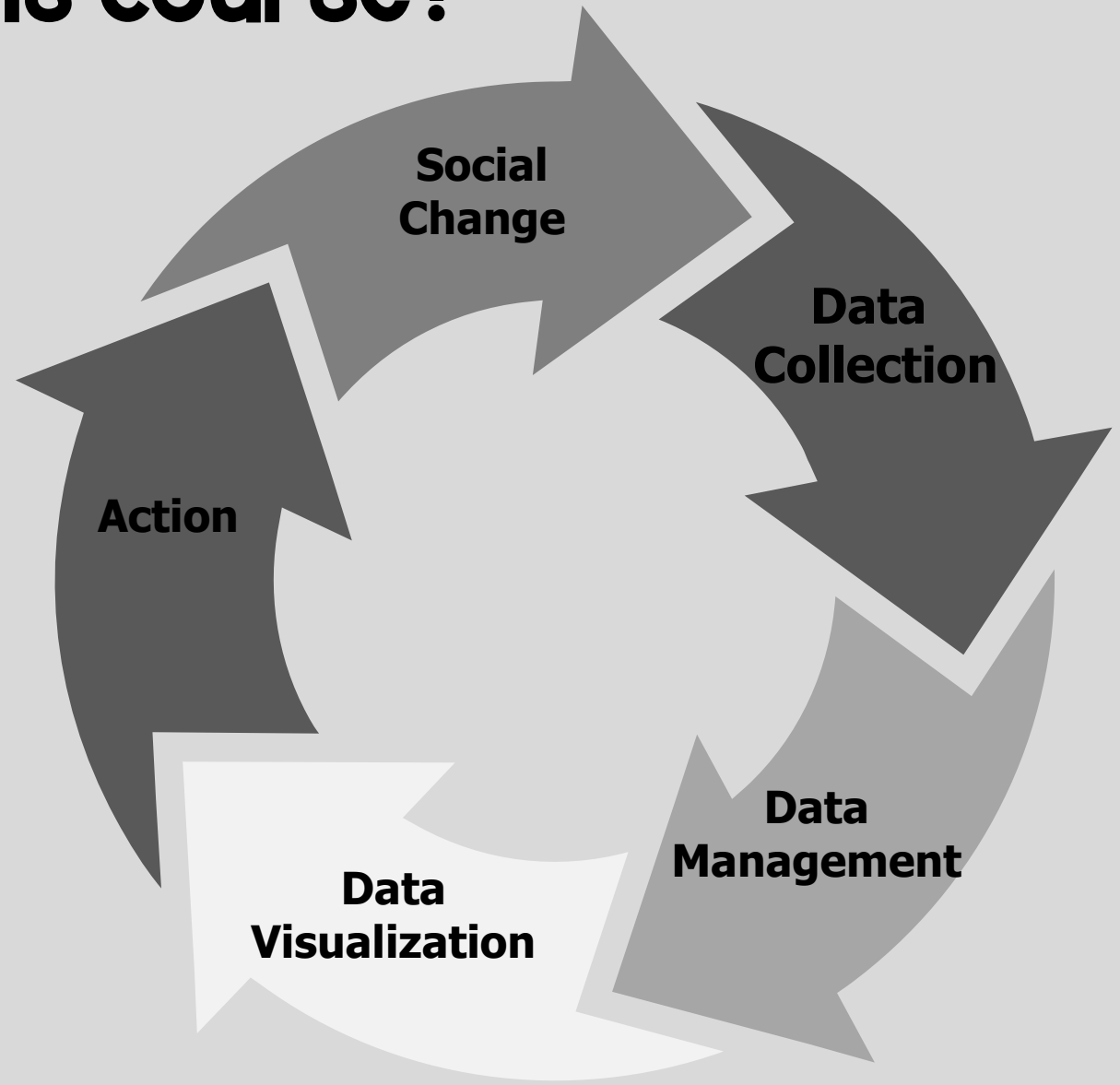
Remember this?

What is this course, really?

Tackling social problems together.

Remember this?

What is this course?



It's a process

It's actually a collection of connected change processes

That we decide to focus on

Each Visiting Voice represents the relationships between us and social change processes

WEB DEVELOPMENT AND GIS:
CODING WITH MANY LENSES
imgflip.com

Each Visiting Voice represents these processes

US

Weren't boxes separate from each other

Civic Tech

US

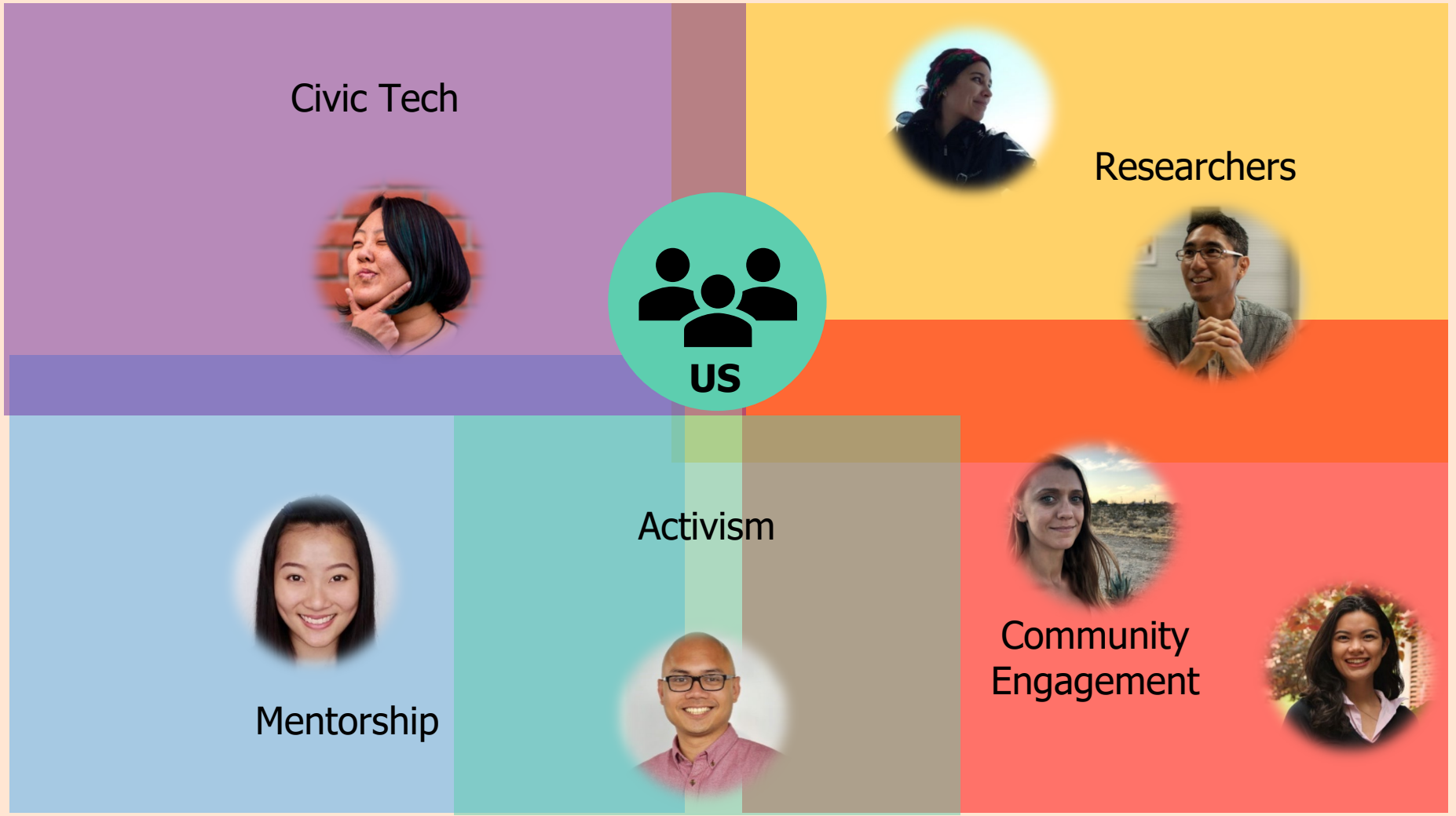
Researchers

Mentorship

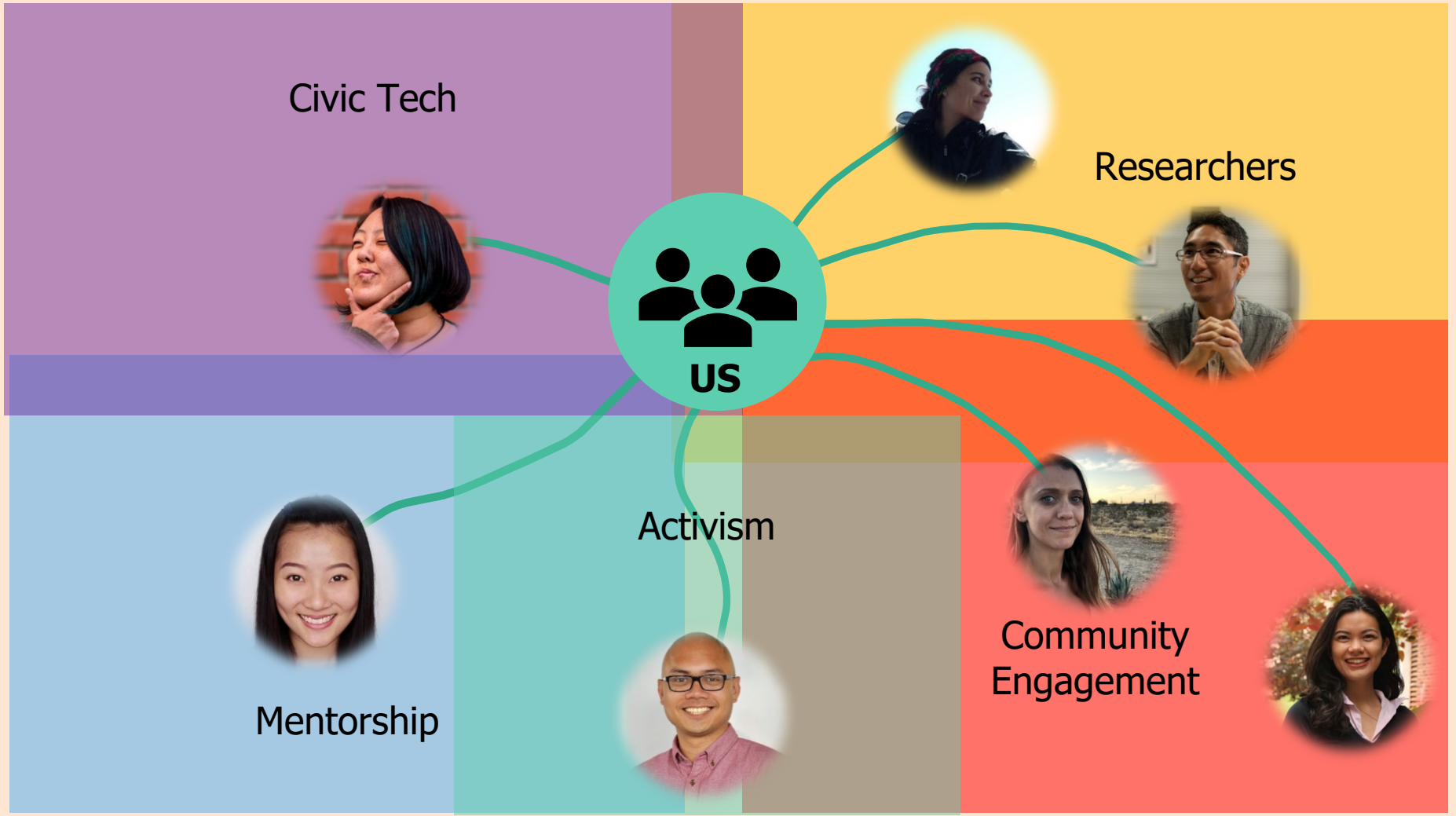
Activism

Community Engagement

They are interconnected non-boxes



Building our network together



Point of the visiting voices:

let myNetwork += yourNetwork!

One more JavaScript for the road:

```
let you = “Your Name”;
let here = Date.now();
let message = “You finished the course” + you;

if ((you) && (here)){
   message += “and you are now my peer!”
   return message
}
else{
   message = “I spent way too much time than I should have
   preparing these slides.”
}
console.log(message)
```

Time to flip the (Java)script: We are all peers now!

We should share our knowledge and experiences with those beyond this class.

Ways to stay engaged

GIS

https://gis-for-good-giscorps.hub.arcgis.com/

Design

https://designjustice.org/

Coding

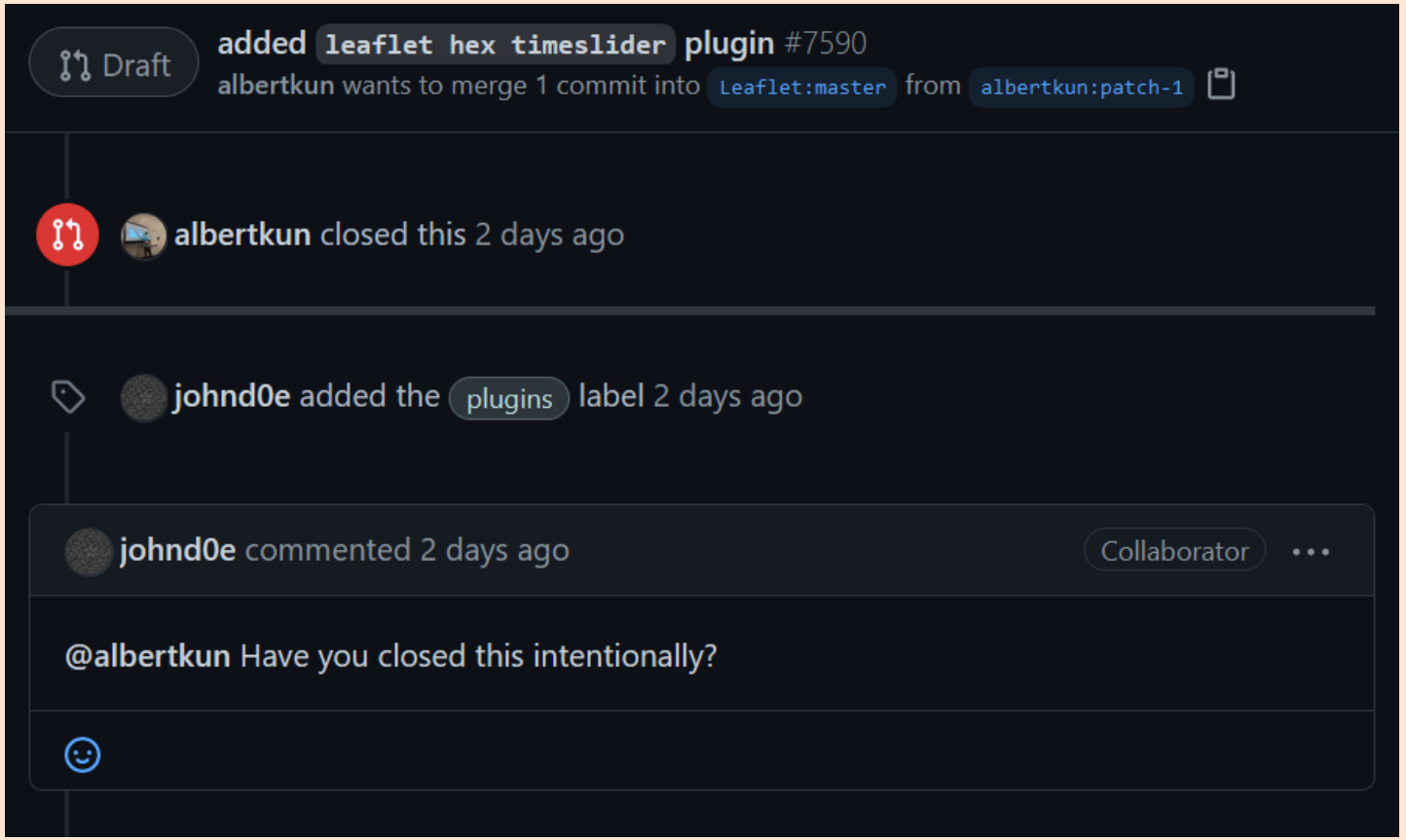
https://www.progcode.org/

Each of those have a “get involved” page

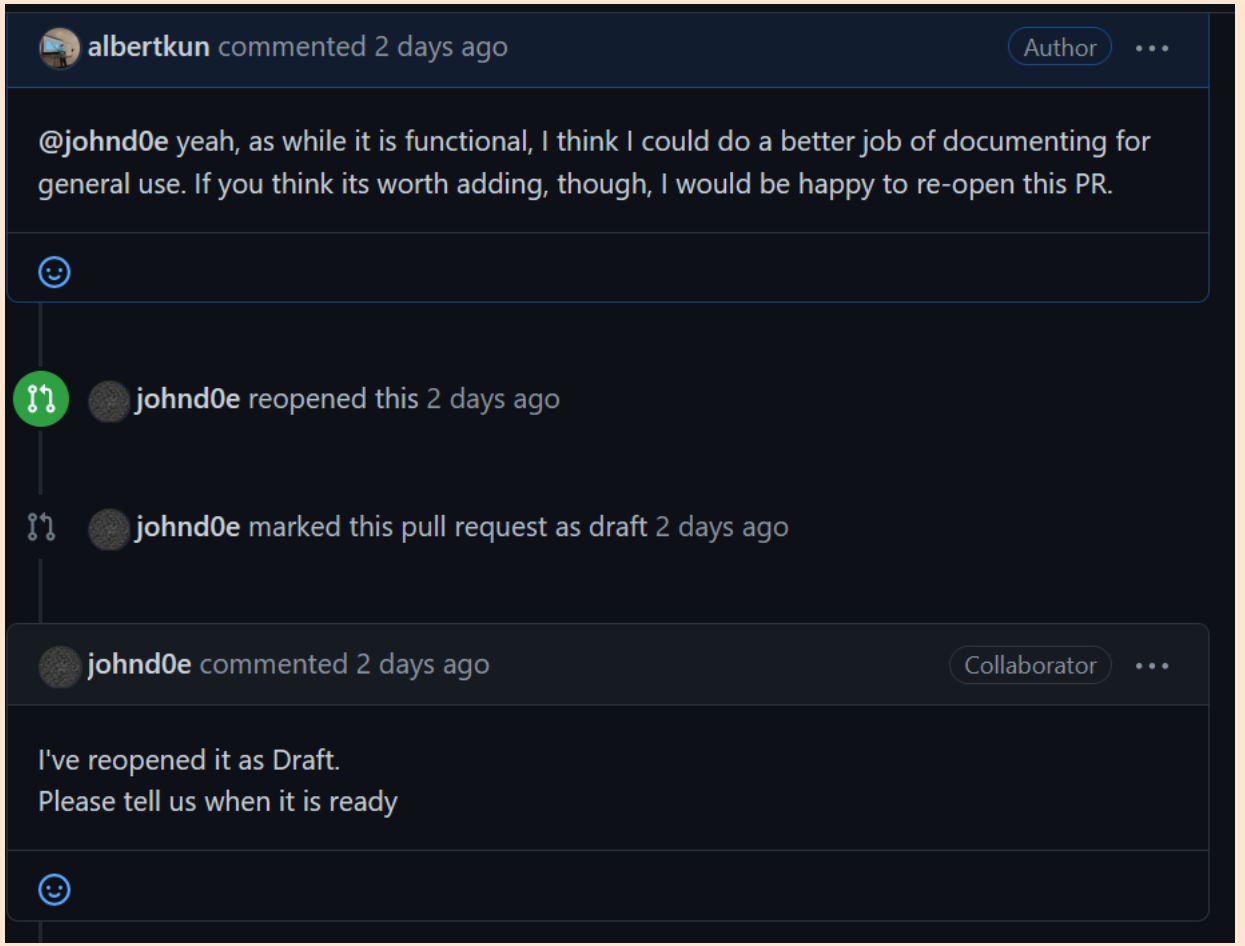
Best way to stay engaged:

Try something you are curious about and share that with the community to channel your energy

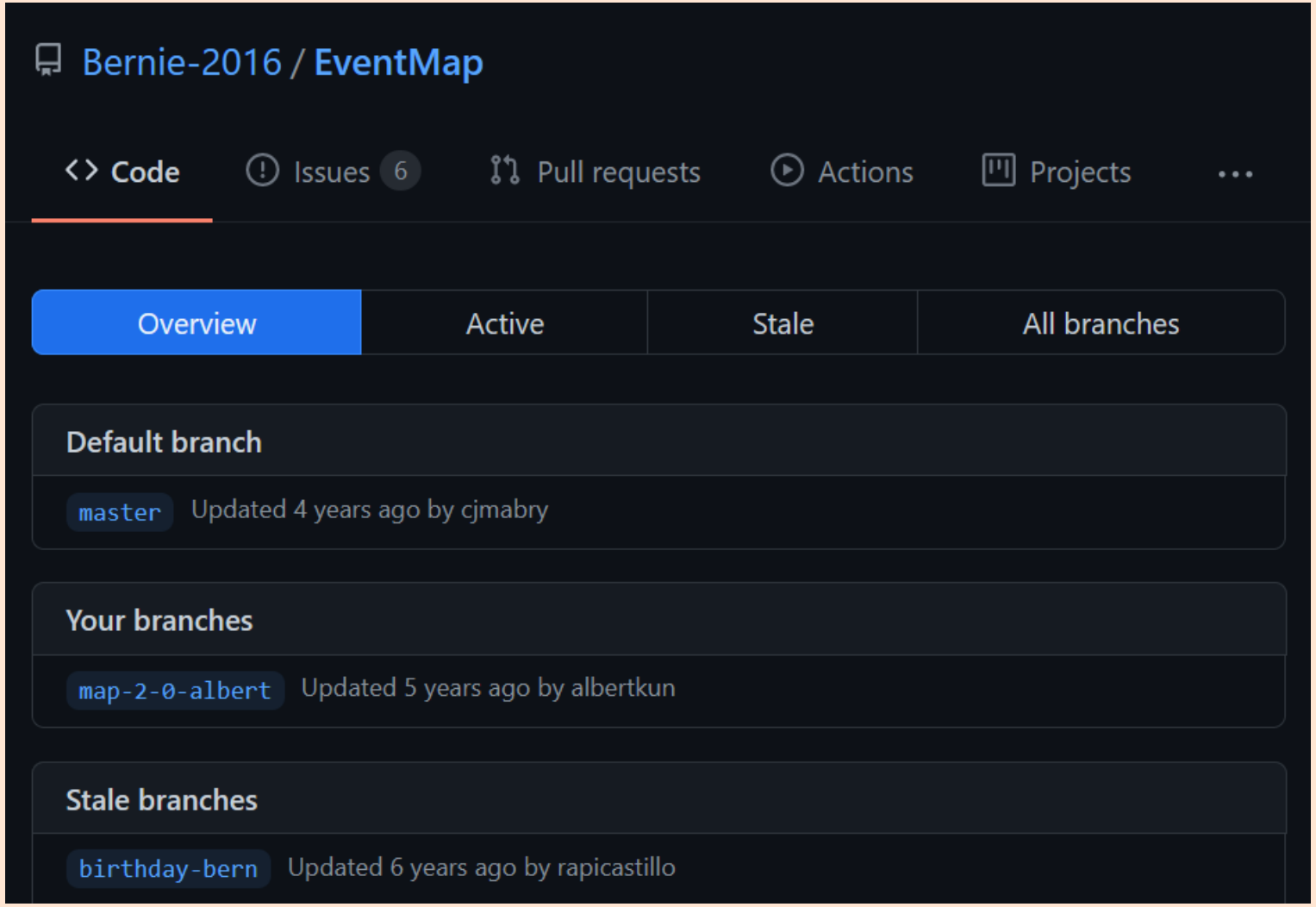
Open Source Community is always welcoming



Let's always pass on that goodwill forward!

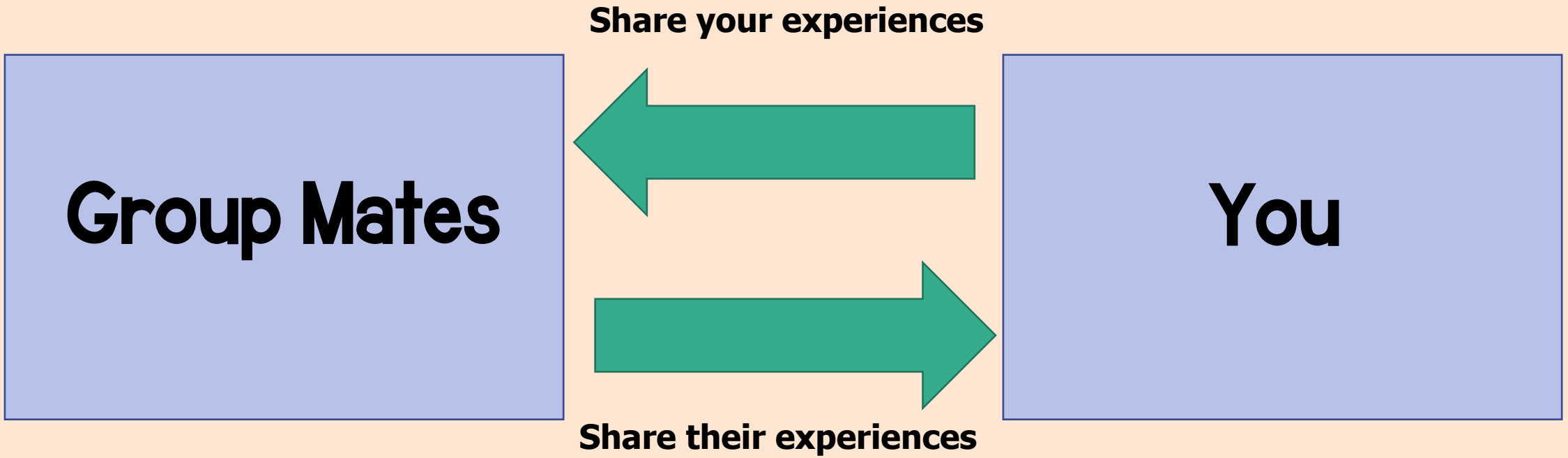


I became friends with Rapi through a Pull Request

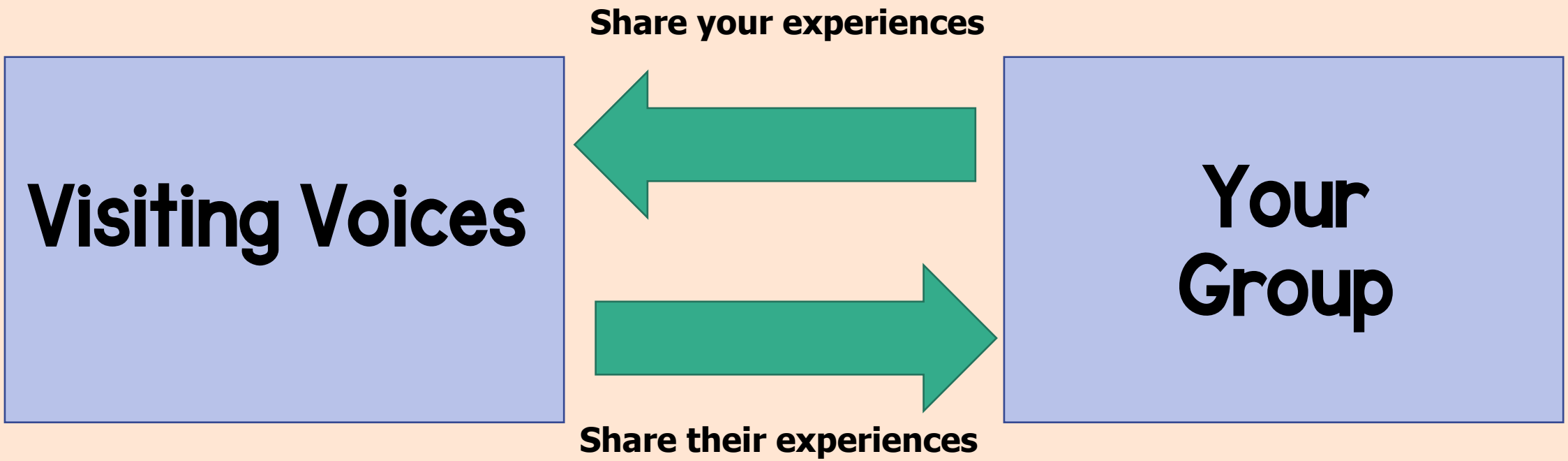


The final project puts all this into practice

Final Presentations



Final Presentations



Assignments

Final due Thursday 6/10

Class Material, GitHub repo, and Discussions will always be open source

https://github.com/albertkun/21S-ASIAAM-191A

Final Exercise

Final Exercise

1. **Go to this Google Doc and find your name**
   https://docs.google.com/document/d/1QPyCRR03CYE-6B15n5un_O3yPO6Uh645F6nb3dj-hv8/edit?usp=sharing

2. **Take 5 – 10 minutes to fill out the class evaluation forms.**
   https://be.my.ucla.edu/

One Piece of last advice...

Equivalent Exchange

Empowering civil society means that civil society empowers us all too.

Remember this?

Our experiences and the communities we empower is objective.

Equivalent Exchange

Above all that, the experiences we share together
have no equivalence.

If you are feeling low that this course is ending..

Then let's end on a note:

This course never ends!

Why?

No matter where we go and what we do...

Web Development and GIS for Social Change: Critical Data for Transforming Civil Society

So, let's keep developing together!

THANKYU!!

Stay in touch!

albertk@gmx.com

@albertkun