

Lab #1 – Hello World (of Web Development)

Albert Kochaphum

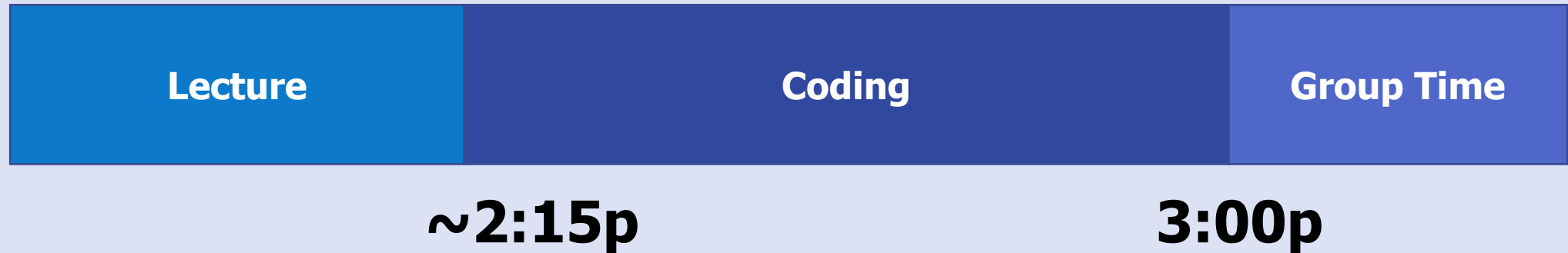
Week 1 | March 30th, 2021

Today's Agenda

1.1. What is programming

1.2. Hello World of Web Development

1.3. Group Project Time



slido



Pre-Lab

① Start presenting to display the poll results on this slide.

What is programming?

Programming is a **collection** of instructions



1.1. What is programming?



"How do you get to UCLA?"

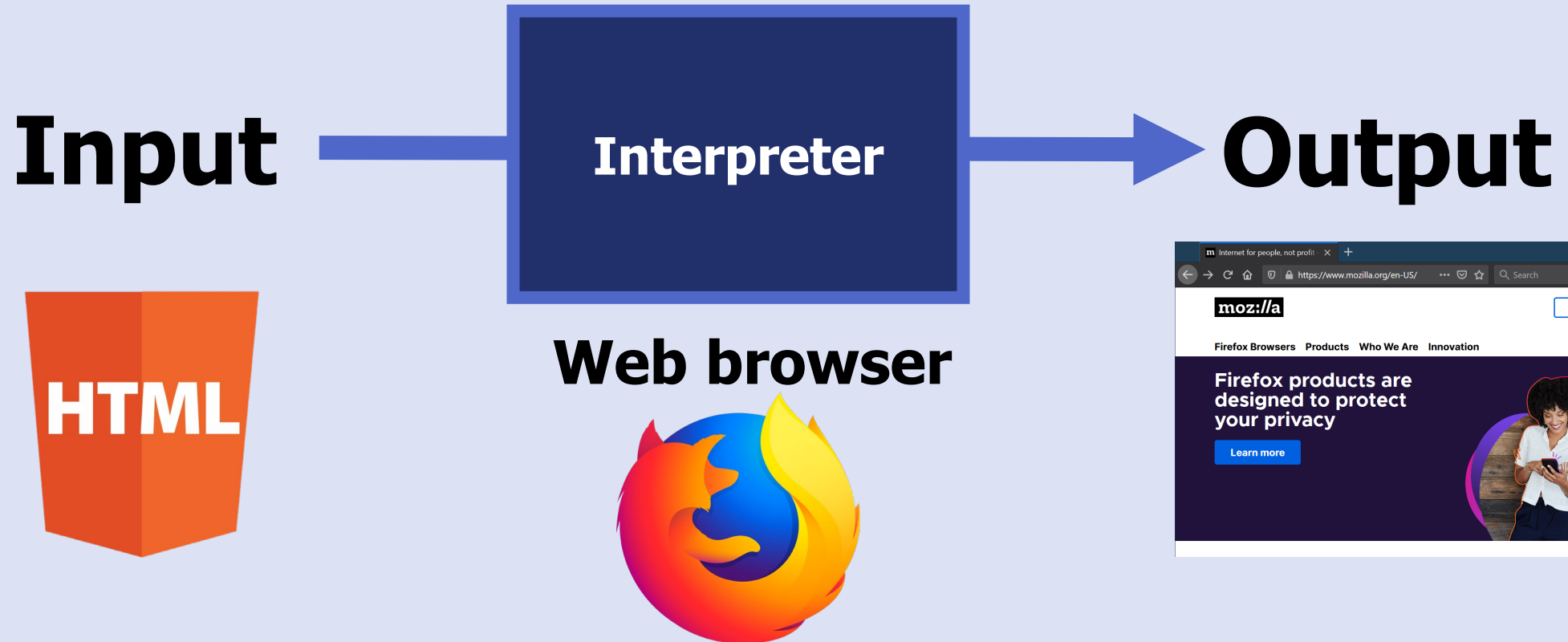
- "Leave SF heading north?"
- "Leave SF going south?"
- "Take the BART to Oakland?"
- "Fly to LAX?"

- Take Muni to Bart
- Take BART to Amtrak
- Amtrak to Westwood
- Arrive at UCLA

1.1. What is programming?



1.1. What is programming?



How to be a programmer

Step 1. Get a programming keyboard



How to be a programmer

Step 2. Run this loop:

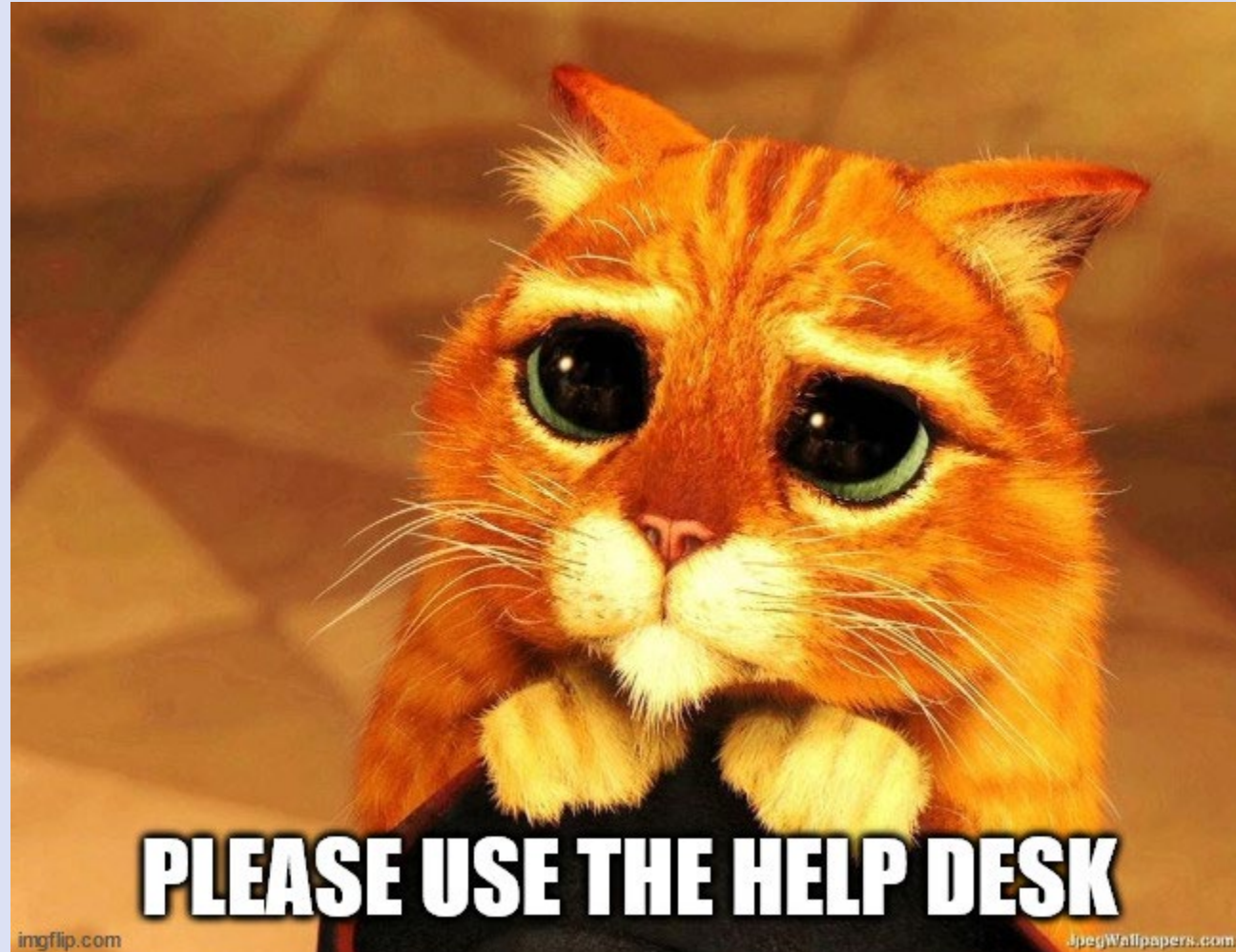
```
intellisense
  ||
  \/
code >>> compile >>>> run >>>> success ;- )
  /\              ||              ||
  ^^              \/              \/
  ^^              errors          errors
  ^^              \\\             //
  ^^              \\\             //
  ^^              google
  ^^              ||
  \\\             \/
  \<<<<<<< copy N paste
```

<https://secretgeek.net/howtobeaprogrammer>

How to be a programmer

It's like learning a new language, conversing with others helps everyone get better at it.

On that note...



On that note...

albertkun / 21S-ASIAAM-191A

Unwatch 3 Star 5 Fork 4

Code Issues Pull requests Discussions Actions Wiki Security Insights Settings

INFORMATION

- # welcome-and-rules
- # resources
- # class-recordings
- # roles

TEXT CHANNELS

- # general
- # coding-corner
- # jobs-volunteering
- # help-desk**
- # memes
- # off-topic

#

Welcome to #help-desk!

This is the start of the #help-desk channel. ask for help/troubleshooting here!

[Edit Channel](#)

March 29, 2022

albertkun Today at 1:34 AM
For anyone needing help with git scm the images have been fixed now!
- <https://albertkun.github.io/22S-ASIAAM-191A/help/gitscm/>

steven Today at 10:13 AM
[@albertk](#) Hi, did you want us to only just read **Dealing with files** or also follow the instructions like making the index.html?



A place to ask for help and help other students
Answers enabled

User Stories

“Why am I programming?”

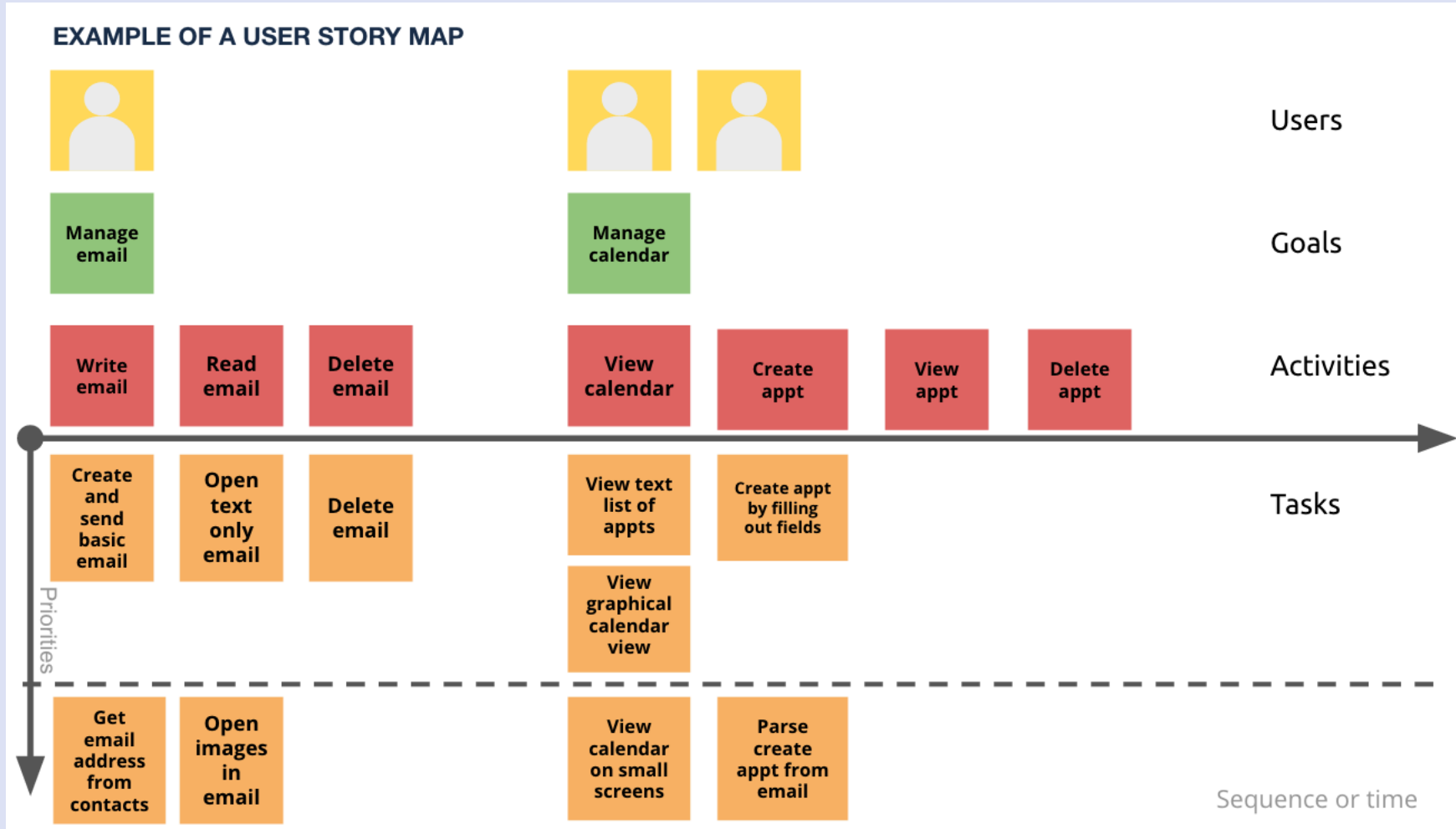
I need to complete this task for my job?

I want to make a website to show my skills?

I need this map for volunteers, how do I give them access?

“Who are you programming for?”

User Stories



User Stories



User Story Examples

persona + need + purpose

As an elderly Asian living in San Francisco, I want to see where I can get escorted when I walk home from grocery shopping, so I feel safe.

As a houseless person in Los Angeles, I want to share my stories about how destructive sidewalk sweeps have been for me, so LAPD can stop.

<https://www.atlassian.com/agile/project-management/user-stories>

Main take-away:

Since coding is a set of instructions, if you forget where you are going, try remembering your ultimate goals are.

Final Group Projects Review

Final Group Project Reminder:



Relies on community-based and/or crowd-sourced data



Only uses government or private data sources



Designed for a social good and/or political campaign



Designed for-profit or for self-profit



Realigns power back to communities being harmed



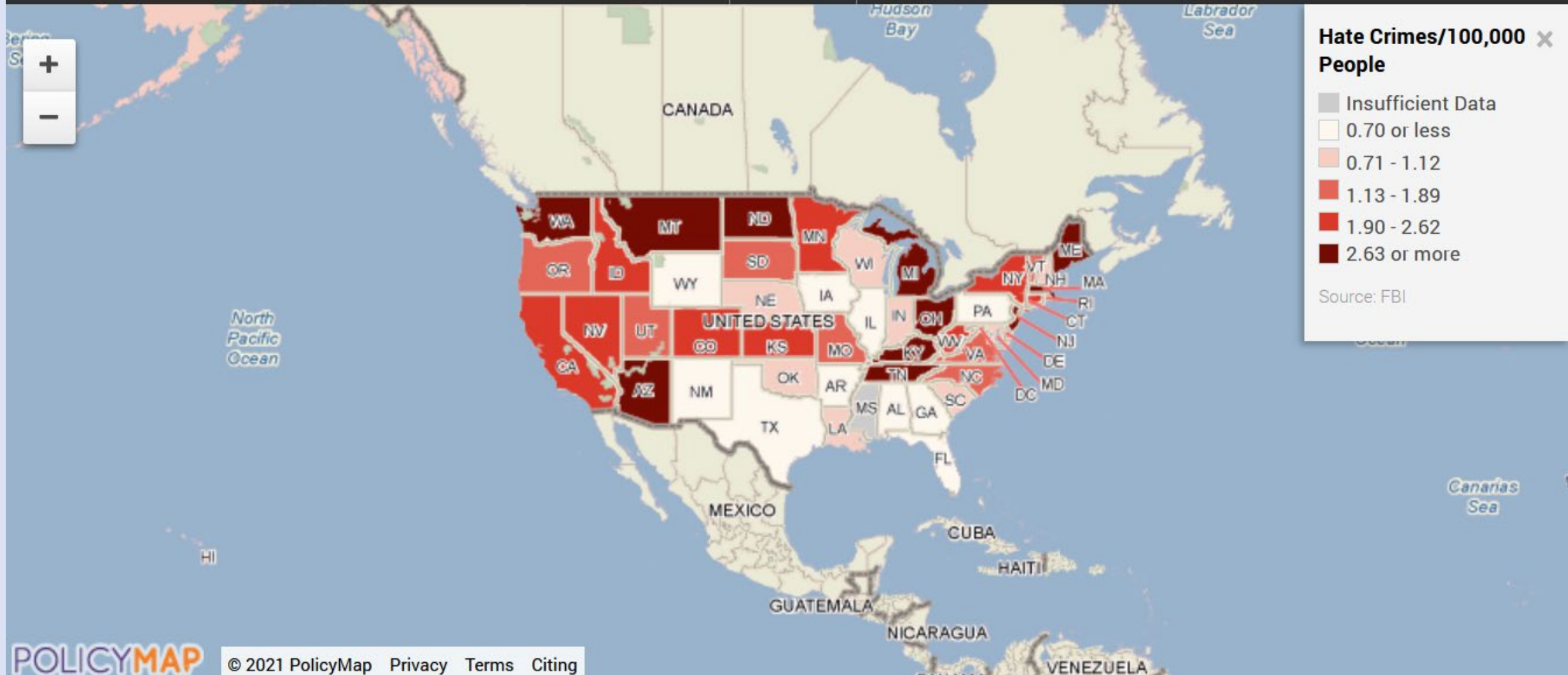
Reinforces corporate, academic, or governmental institutions

Focus on the people, not the data

Example: a tale of two hate crime maps

Rate of hate crimes reported per 100,000 people in 2015. 

SHADED BY:
State



https://www.policymap.com/embedmap_dyn?lqid=286353&ew=755&eh=480&etitle=true&elegend=true



Mapping Hate Crimes in the US

#OneHateCrimesTooMany

SEE COVID HATE INCIDENTS

REPORT INCIDENT

ABOUT

Type

Date (M/D/YY)	City, State	Ethnicity	Gender	Type	Description
03/22/20	Los Angeles, California	Chinese	Male	Verbal Harassment, Physical Assault	I was helping a Chinese man translate chinese and English with hospital staff. He came in to the ER saying he was on the bus and a man just came up to him and started beating and kicking him for no reason. The assaulter was caught by police and charges were pressed.
03/22/20	Los Angeles, California	Chinese	Female	Verbal Harassment, Physical Assault	A homeless man saw me less than 100 feet from my apartment building. He threw punches and tried to kick my dog, chased me back to my building screaming racial epithets about me being a "nasty bitch" and "go back to China."
					Elderly (white) woman physically and verbally assaulted me in Trader Joe's in

CLOSE

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

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

Putting Community First

- **What story is missing from your issue?**
- **How would you represent that?**
- **What is the user story?**

Group Project Code of Conduct

Group Code of Conduct

- **Respect**
- **Be aware of your privilege**
- **Listen**
- **Criticize the action, not the person**
- **Step Up, Step Back**

<https://sfberniecrats.com/community-guidelines/>

There is no me in group

And  **groupme** **is no exception!**

Group Code of Conduct

We are trying to empower community voices, but we must empower each other too.

Please email or see me for any help:

<https://calendly.com/aa191a/office-hours>

Coding Lab: Hello World!

Bye QGIS World! Hello Leaflet World!



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

Overview

Tutorials

Docs

Download

Plugins

Blog

<https://leafletjs.com/>

Assignments

Due Monday 4/4:

1. "Thinking Cap"
2. Read "Introduction to Critical Cartography"

Due Wednesday 4/6:

3. Lab assignment #1
4. Group Assignment #1
5. Pre-lab #2

Note: Unless specified otherwise, all assignments are due at the beginning of classes. Late assignments will be given half credit up to a week.

Group Assignment #1

Group Spreadsheet

	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Group 10
Tenative Topic	AAPI Discrimination	Education Equity	Sustainability/Environment	Environmental Justice/	Education Policy	Health Care	LGBTQ+	Migration	Housing/Homeless	Tax Redistribution
Member 1	Lindsey Mardona	Ivy Tang	Melody Lee	Kristen Fu	Xiong Her	Antony Lin	Shubham Gupta	Daiki Saito	Jamie Tucher	Jenny Lu
Member 2	Diana Tran	Nishaanth Krishnan	Alexis Hatalski	Emma Hanson	Willa Kurland	Kaitlyn Li	Ashley Lu	Siew Fen Eow	Keri Chen	Ananya Kodali
Member 3	Steven Tran				Ngoc Tran		Haven Jovel			

https://docs.google.com/spreadsheets/d/1amjsdypbGuijuiQtI44UNupEzJET94IFLNp0FVMT01w/edit?usp=s_haring

1. Have one person create a new repo for the group and invite everyone as collaborators.
2. Add a `readme.md` to the repository that briefly describes the following in 1-2 sentences:
 - What social problem is being addressed?
 - Who is being empowered by your mapplication?
 - What technical and ethical problems could there be in developing this tool?
3. Post your group members and repository on the discussion board:

Group Time for Assignment #1