

# **Lab #2 – Hello World (of Web Development)**

Albert Kochaphum

Week 2 | April 8<sup>th</sup>, 2021

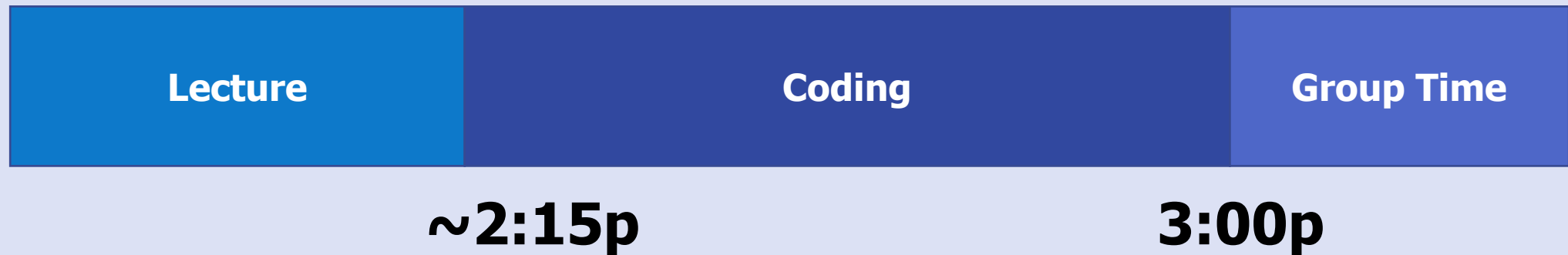
slido

## Lab #2

 Start presenting to display the poll results on this slide.

# Today's Agenda

- 1.1. What is programming**
- 1.2. Hello World of Web Development**
- 1.3. Group Project Time (Really!!)**



**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?

**Input**

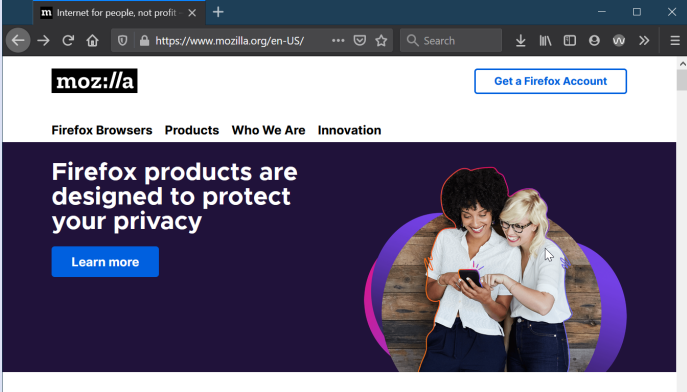


**Interpreter**



**Output**

**Web browser**





# How to be a programmer

## Step 1. Get a programming keyboard



# How to be a programmer

## Step 2. Run this loop:

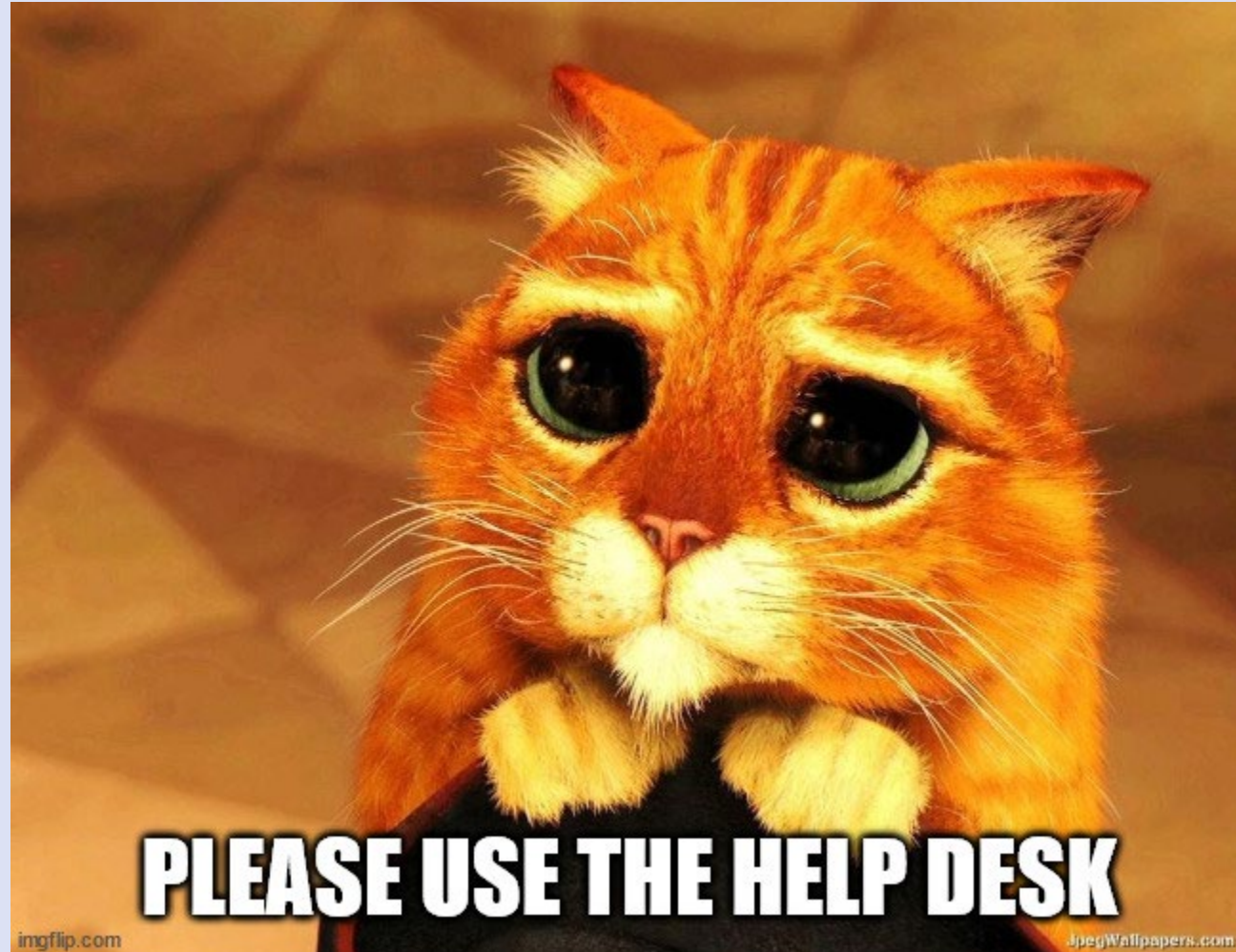
```
intellisense
  ||
  \
code >>> compile >>>> run >>>> success ;- )
/\           ||           ||
^^           \           \
^^           errors       errors
^^           \           //
^^           \           //
^^           google
^^           ||
\           \
\<<<<<<< copy N paste
```

<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

Week 2

How can participatory mapping and critical cartography be improved?

albertkun

category:"Help Desk" New Top: All Answered Unanswered New discussion

**General**  
Chat about the course, share content, course feedback, and anything else here

**Help Desk**  
A place to ask for help and help other students  
Answers enabled

H B I [List Icons] [Checkmark] @ [Share] [Back]

# User Stories

**“Why am I programming?”**

**I need** to complete this task for my job?

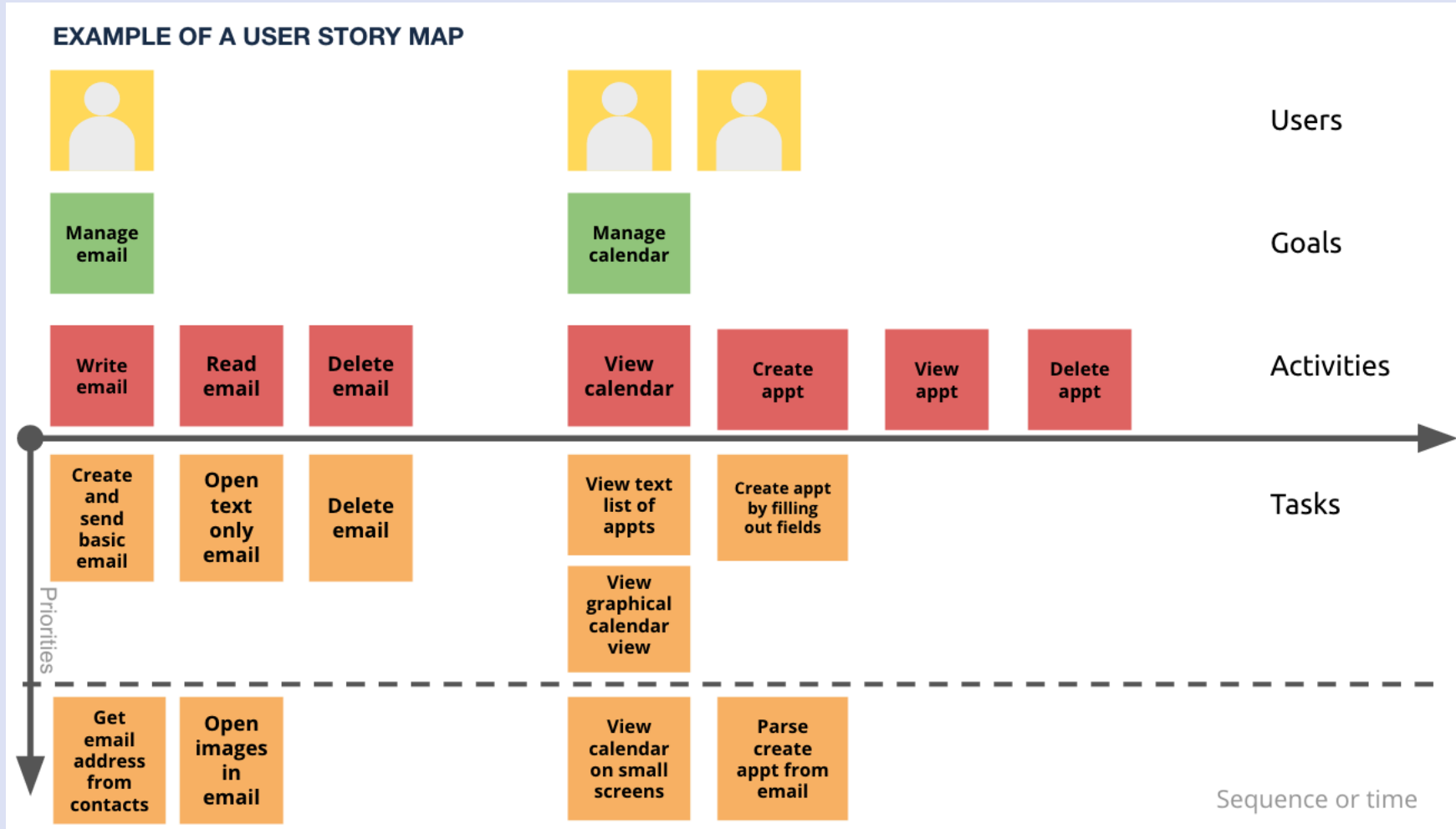
**I want** to make a website to show my skills?

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



**“Who are you programming for?”**

# User Stories



# User Stories

As a  [Persona], I want  [Action] so that  [Purpose]



Who are we building this for?



What goal would this person be trying to do?



What's the overall benefit to this person?

# 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**

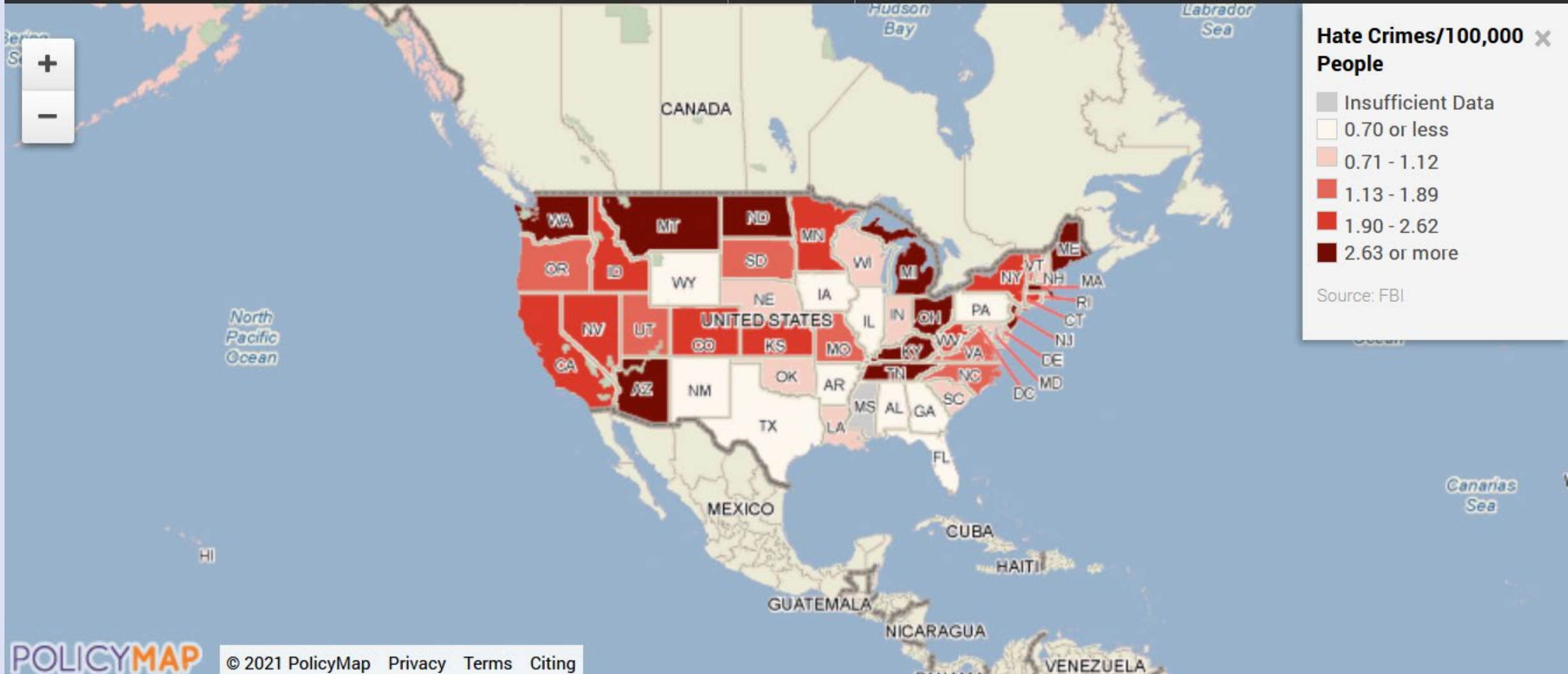
**Focus on the people, not the data**



**Example:** a tale of two hate crime maps

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

SHADED BY:  
State



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[https://www.policymap.com/embedmap\\_dyn?lqid=286353&ew=755&eh=480&etitle=true&elegend=true](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](mailto: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?**

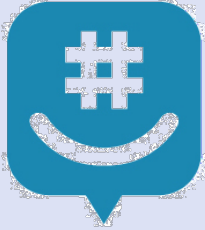
# **Group Project Code of Conduct**

# 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/albertkun/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

\*Part one is due **Monday** at **12am!**



## Due Tuesday 4/12:

1. Post a "Thinking Cap" and two responses\*
2. Read "Participatory mapping, who wins who loses"

## Due Thursday 4/15:

3. Lab assignment #2
4. Pre-lab #3

**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 #2**

# **Group Time for Assignment #2**

slido

How was Slido today?

 Start presenting to display the poll results on this slide.

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# Audience Q&A Session

 Start presenting to display the audience questions on this slide.