Learning goals:

- Get to know Sam and your classmates
- Understand what Jupyter is and how to access it
- Start thinking of final project ideas

Introductions

COGS 108 Fall 2019
Sam Lau
Discussion 1

bit.ly/sam-wi20
lau@ucsd.edu
OH: Thurs 11a-12p in SSRB 100

Welcome to COGS 108!

- **Sam Lau**
  lau@ucsd.edu
  OH: Thurs 11am-12pm in SSRB 100
- **2nd year Ph.D. student in Cog Sci advised by Philip Guo**
- **Research: computational tools to teach data science**
- **Previously taught data science @ Berkeley**
  (TA 5 times, Instructor 2 times)
- **Wrote a textbook for data science: textbook.ds100.org/**

Sam's Section Philosophy

- Section is not required
- Goal: 1 hour in section ≥ 2 hours working alone. How?
  - Exclusive demos for project inspiration
  - Mini-lectures on nuts and bolts
  - Collaboration on assignments and projects
  - Personalized help from Sam during section

Your Names: A Special Request

I want to get to know you!

Please help with this rule: for the first two weeks of section remind me of your name.

Example: “Hi, I’m Sophia and I had a question about…”

(And forgive me if I keep asking for your name)

Introduce Each Other

Introduce Each Other

Activity: Meet someone new.

Share name, year, major, favorite data example from class so far, and favorite meal in San Diego.

You will introduce your partner to me, so pay attention!

Jupyter Intro and Oakland License Plates

Let’s learn about Jupyter!

Also, a sample of the type of demo I will share with you during section.

For today’s demo (includes both code and data): bit.ly/sam-wi20

Open Questions

What areas of Oakland are most often patrolled by police?

Is there similar data for San Diego? (Hint: Google “ALPR data”)

Where else might we find datasets with locations of people?

Resources

For a long list of interesting datasets:
https://tinyletter.com/data-is-plural

All of Sam's Discussion Materials:
bit.ly/sam-wi20

(Page above also has links to today's demo and extra practice with Python.)

Next week: A1 help, git walkthrough

Attendance

Count off and remember your number; that number is what you need to enter in the attendance form.

I'll keep track of the maximum number for our section.

http://bit.ly/at-wi20