Learning goals:

- Get to know each 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

Welcome to COGS 108!

- **Sam Lau**
  lau@ucsd.edu
  OH: Wed 10-11a 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

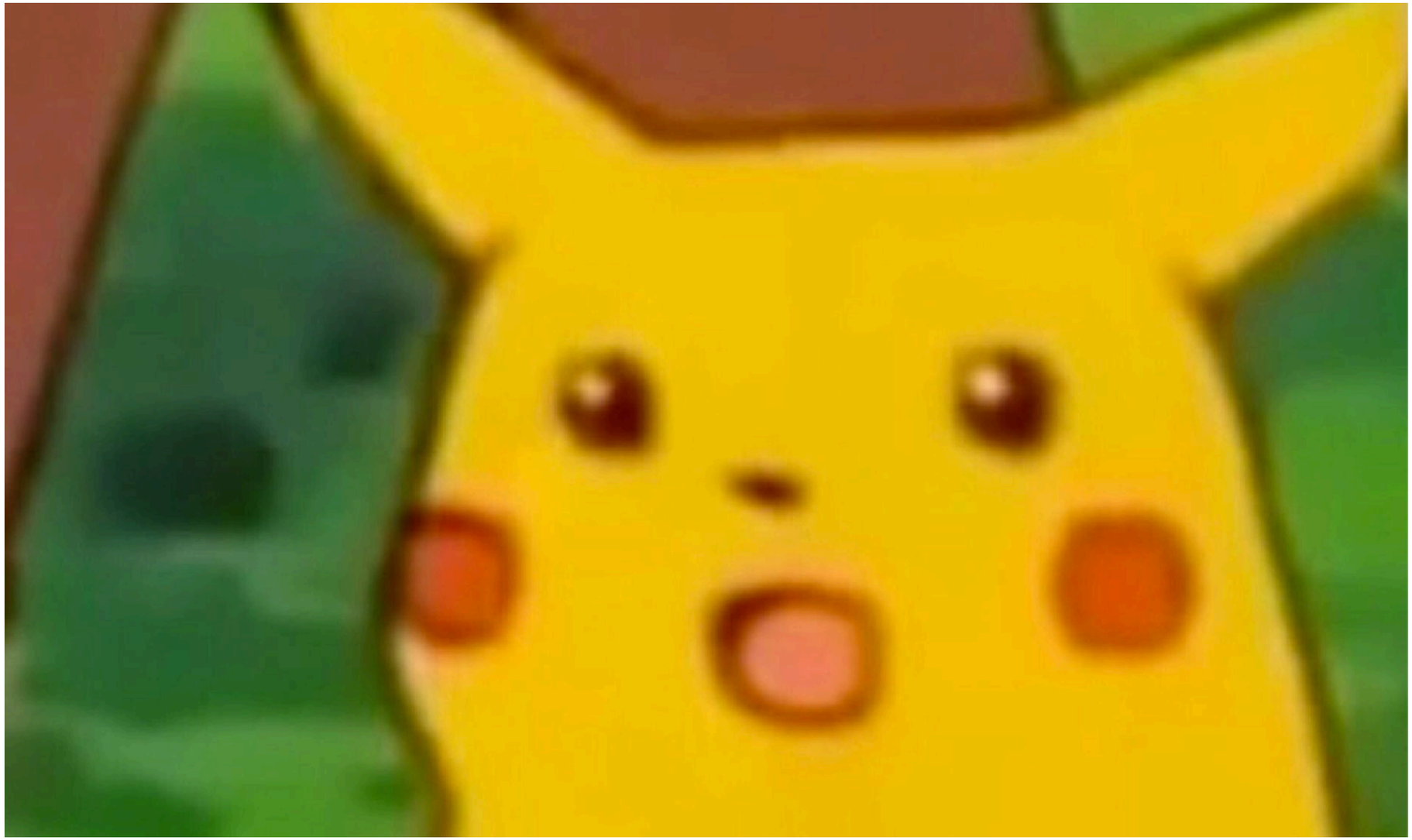
I want to get to know you!

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!

Class examples

Meals in SD

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):
http://bit.ly/sam-demo01

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 gentle, hands-on introduction to Jupyter and Python:
http://bit.ly/sam-disc01

For today's demo (includes both code and data):
http://bit.ly/sam-demo01

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