

Lab01: DataHub and Notebooks

COGS 18 Winter 2022

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OH: Mon 11-12

Welcome to COGS 18!

Sam Lau (lau@ucsd.edu)

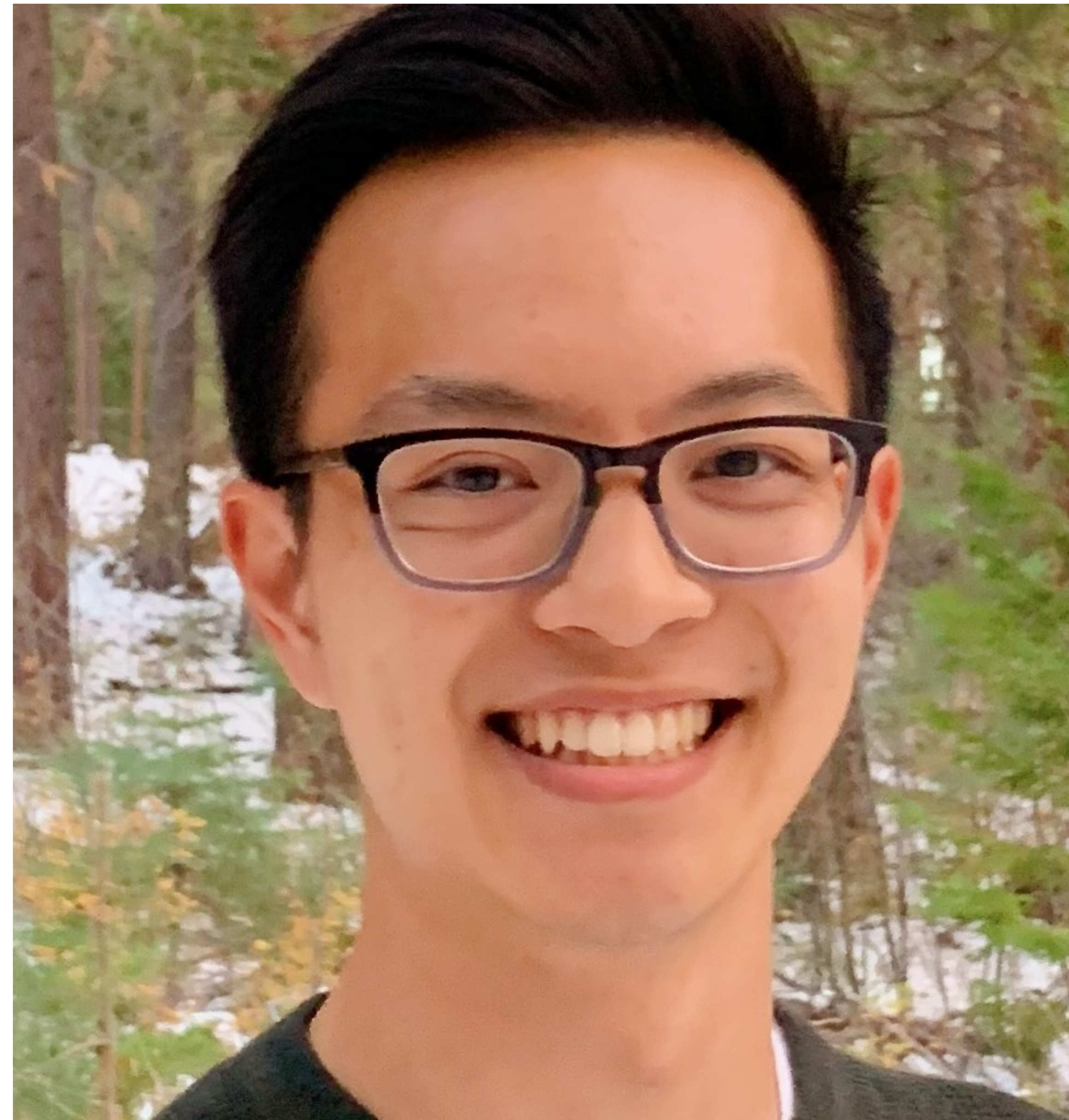
OH: Mon 11-12am (via Zoom)

4th year PhD student with Philip Guo

Research: Tools for learning and teaching data science
(pandastutor.com)

Input		Output			
Series			sum	mean	std
1	24	large	48.50	24.25	0.35
9	24.50				
0	23	medium	85	21.25	3.51
3	22.75				
5	NaN	small	14	14	NaN
6	23.25				
7	16				
2	14				
4	NaN				
8	NaN				

Input				Output	
breed	size	weight	height	Series	
1 German Shepherd	large	NaN	24	1	24
9 Rottweiler	large	NaN	24.50	9	24.50
0 Labrador Retriever	medium	67.50	23	0	23
3 Golden Retriever	medium	60	22.75	3	22.75
5 Bulldog	medium	45	NaN	5	NaN
6 Boxer	medium	NaN	23.25	6	23.25
7 Poodle	medium	NaN	16	7	16
2 Beagle	small	NaN	14	2	14
4 Yorkshire Terrier	small	5.50	NaN	4	NaN
8 Dachshund	small	24	NaN	8	NaN



Sam's Lab Philosophy

Lab is not required.

Goal: 1 hour in lab \geq 2 hours working alone. How?

1. Exclusive demos on nuts and bolts

2. Hints for lab and homework

3. Personalized help from Sam during lab

- Sam was very attentive to questions and paid attention to the students in section. He'd check in with students frequently to make sure everyone was making progress on the assignments, which I appreciated.

- You can tell he genuinely cares about the students in his section. He tries to learn everyone's name and is very successful at it. He gives interesting and engaging examples that make students excited about data science!

- SAM IS THE BEST IA I'VE EVER HAD AT UCSD (I'VE HAD HIM AS MY IA TWICE)

- Give Sam a raise!!!!

Lab01 Walkthrough

Next week

Work on Lab02 and A01 (will provide guide)

Fun license plate demo (if time allows)