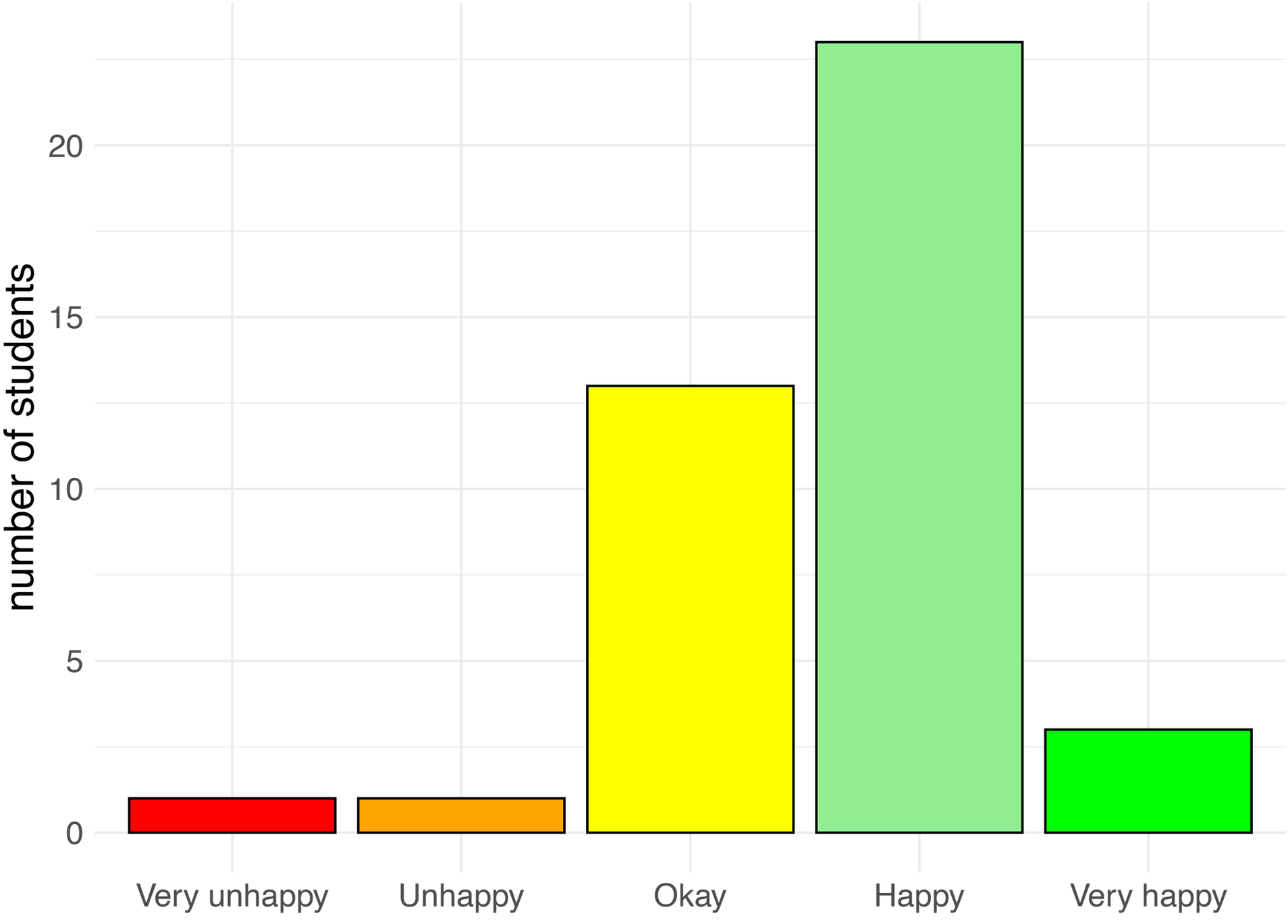
Psyc 60: Intro to Statistics

Prof. Judith Fan

Spring 2021

Last Time

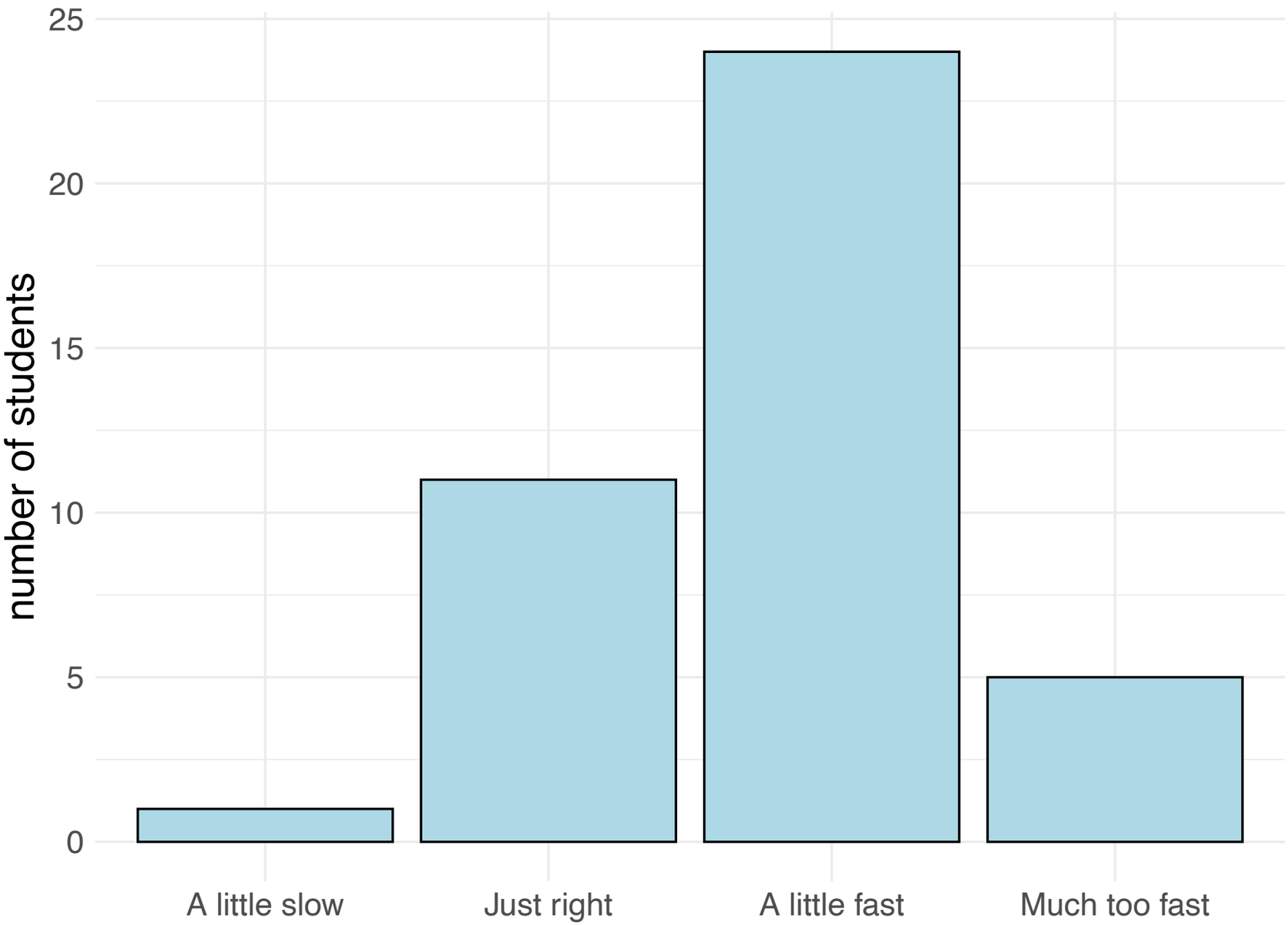
"How happy are you with the class so far?"



N=41 responses

Last Time

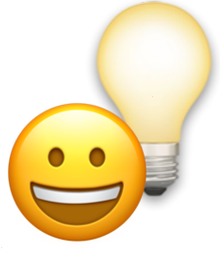
How happy are you with the pace of this class so far?



N=41 responses

Last Time

What is something new you learned today? Is there anything you found confusing? Please share any feedback you have about today's lecture.



Something new that I learned in this lab assignment is to calculate sample variance and z scores from the different variables and data provided. I felt that this lab was really reflective of the CourseKata modules which was definitely helpful with the code.

Once again, perseverance and patience begets steady and slow progress, but progress nonetheless. This is a very good lesson this class has been teaching me that I will carry into many walks of life.

Last Time

What is something new you learned today? Is there anything you found confusing? Please share any feedback you have about today's lecture.

Today I would say was a pretty good day. My partner and I were able to get through the majority of the lab together with little help which is huge accomplishment for me. I finally didn't feel completely lost this lab. I am very grateful for my lab partner she is both patient and very helpful.

Something new I learned this lab was an incredibly helpful trick from my lab partner who taught be that a favstats table is just like any other data frame and data can be drawn immediately from it.

Last Time

What is something new you learned today? Is there anything you found confusing? Please share any feedback you have about today's lecture.

I felt really confident during today's lab! I was able to apply what I learned in CourseKata and it was nice to know what I was doing. The ""hints"" were super helfpul (especially for that long chain of commands in part 1) because my brain has a tendency to get overwhelmed. Even though the commands themselves were not complicated, I probably would not have thought to go through all of them or to do so in that order.

Last Time

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😕 *It's starting to get very frustrating when I have the concept or general understanding down, but I need a TA to point out an awkward syntax error to get the right answer. I guess it just takes practice, but I feel like I've been saying that all quarter.*

😕 *It was hard to keep track of the correct way for me to code the commands for zscore, variance, and the sum of squared deviations.*

😕 *Something we struggled on was about the subtracting the mean and squared deviations. I don't understand how the new columns will not form when we are saving them into the data.*

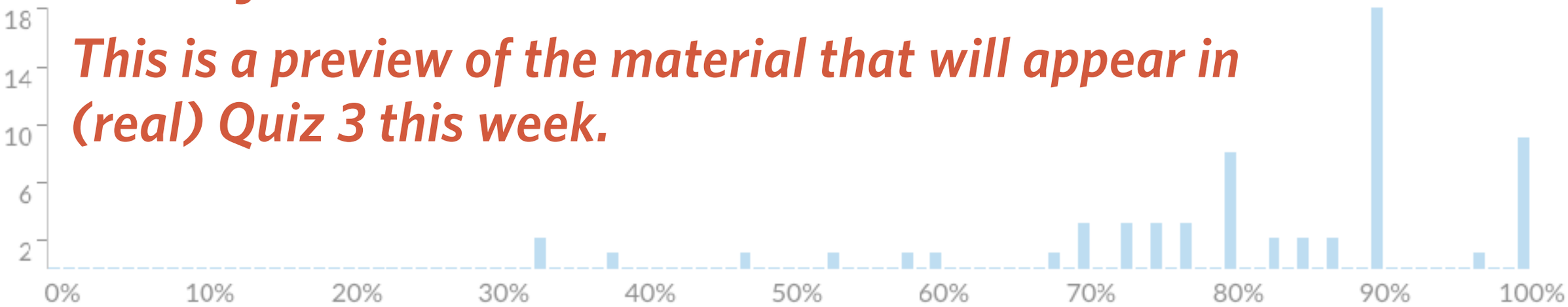
N = 50 responses

Practice Quiz 3

Average Score	High Score	Low Score	Standard Deviation	Average Time
81%	100%	33%	1.57	05:27

Nice job!

This is a preview of the material that will appear in (real) Quiz 3 this week.



Practice Quiz 3

Hardest question:

Attempts: 62 out of 62

+0.34

Discrimination Index

Consider a dataset named **BikeCommute**, where the column **TopSpeed** stores the top speed reached by each biker. If the mean for **TopSpeed** is 33.6 mph, what is the variance of the empty model's predictions for each observation's **TopSpeed**?

It's impossible to say.	13 respondents	21 %	
var(BikeCommute$TopSpeed)	20 respondents	32 %	
33.6	15 respondents	24 %	
0	14 respondents	23 %	✓

23% answered correctly

Why is this zero? This question is asking you about the variance in the empty model's predictions.

Today

Lab 3c: Sampling Distributions

General announcements

Break out into lab groups

Want real-time help?
(1) Post to #lab-assignments, mention both your TA & Room
(2) "Asking for help" in Zoom
(#3 is a bit less reliable!)

Return to main room and debrief

Everyone come back at 2:10pm PT

Due This Week

6	May 3	**Sampling distributions** *Before:* Chapter 9 *During:* Lab 3C	**Review Session 2** *Before:* None *During:* Wrap-up Lab 3	Quiz 3	Project Milestone 3 Due (Preregistration)

Chapter 9 CourseKata modules are due today.

Note: If you finish modules a few days late, there may be a delay between finishing your CourseKata modules and the Gradebook in Canvas being updated (b/c there are multiple steps involved to correct these). But don't worry, these will be updated!

Due This Week

6	May 3	**Sampling distributions** *Before:* Chapter 9 *During:* Lab 3C	**Review Session 2** *Before:* None *During:* Wrap-up Lab 3	Quiz 3	Project Milestone 3 Due (Preregistration)

Released Thursday at 5PM & due by 4:59PM on Friday

Due This Week

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In Project Milestone 3 you will be getting practice articulating the research question for your final project & thinking about different potential DGPs.

In Section This Week

- In **Project Milestone 3: Preregistration** you will be getting practice articulating the research question (i.e., about the relationship between two variables) for your final project & thinking about different potential DGPs.
- **Preregistration:** Please note that you are making a commitment to following through on this question w/ this assignment. After this week, your group will NOT be able to switch questions / variables.
- **1 submission per group due this Friday 5/7:** Please designate one project group member to act as **corresponding author** for your final project.

Today

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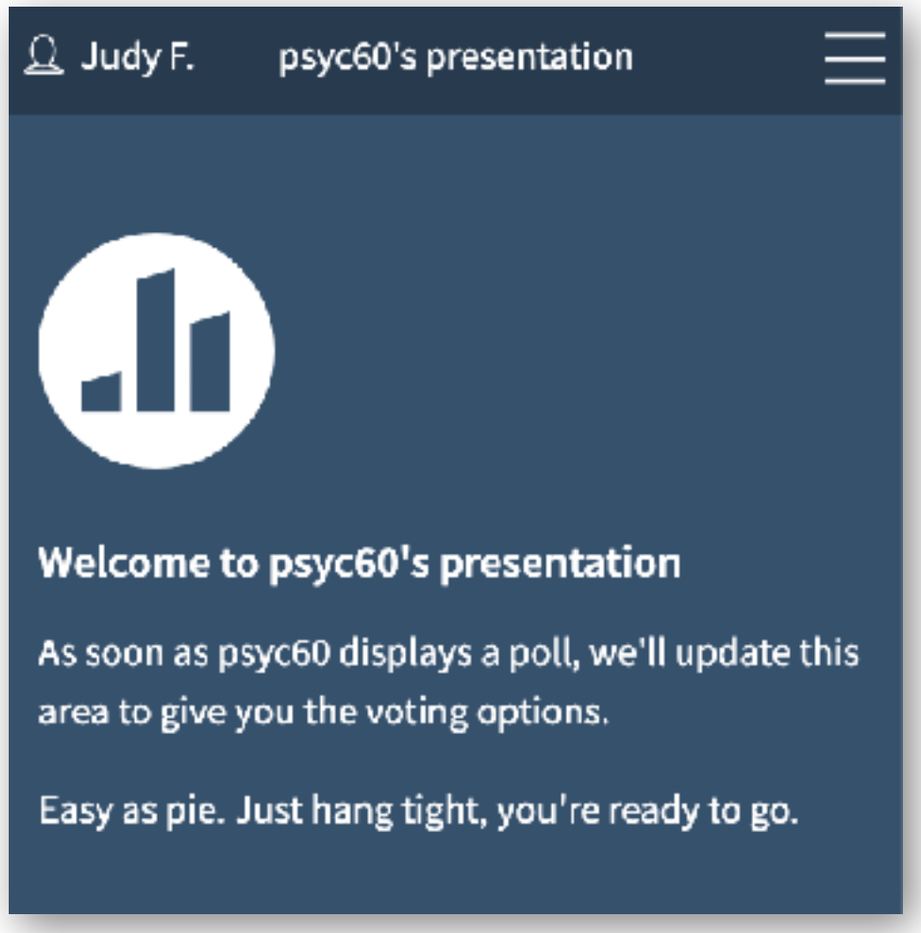
Debrief

1. Take your phone or laptop out.
2. Make sure you are connected to the internet.
3. Open any web browser & type in this URL:
   PollEv.com/psyc60
4. Make sure to log in to your account using your UCSD email & name as it appears in Canvas.

You should see something like this



PSYC 60: Lab 3C | General Impressions

When survey is active, respond at pollev.com/psyc60

0 done

0 underway