Psyc 60: Intro to Statistics

Prof. Judith Fan

Spring 2021

TODAY

LAB 3A: SAMPLING VARIABILITY

1 → **2** → **3**

General announcements

*Break out into **new** lab groups*

Return to main room and debrief

Starring Saurabh Mirani!

Want real-time help?
(1) Post to #lab-assignments
(2) Message your TA on Slack
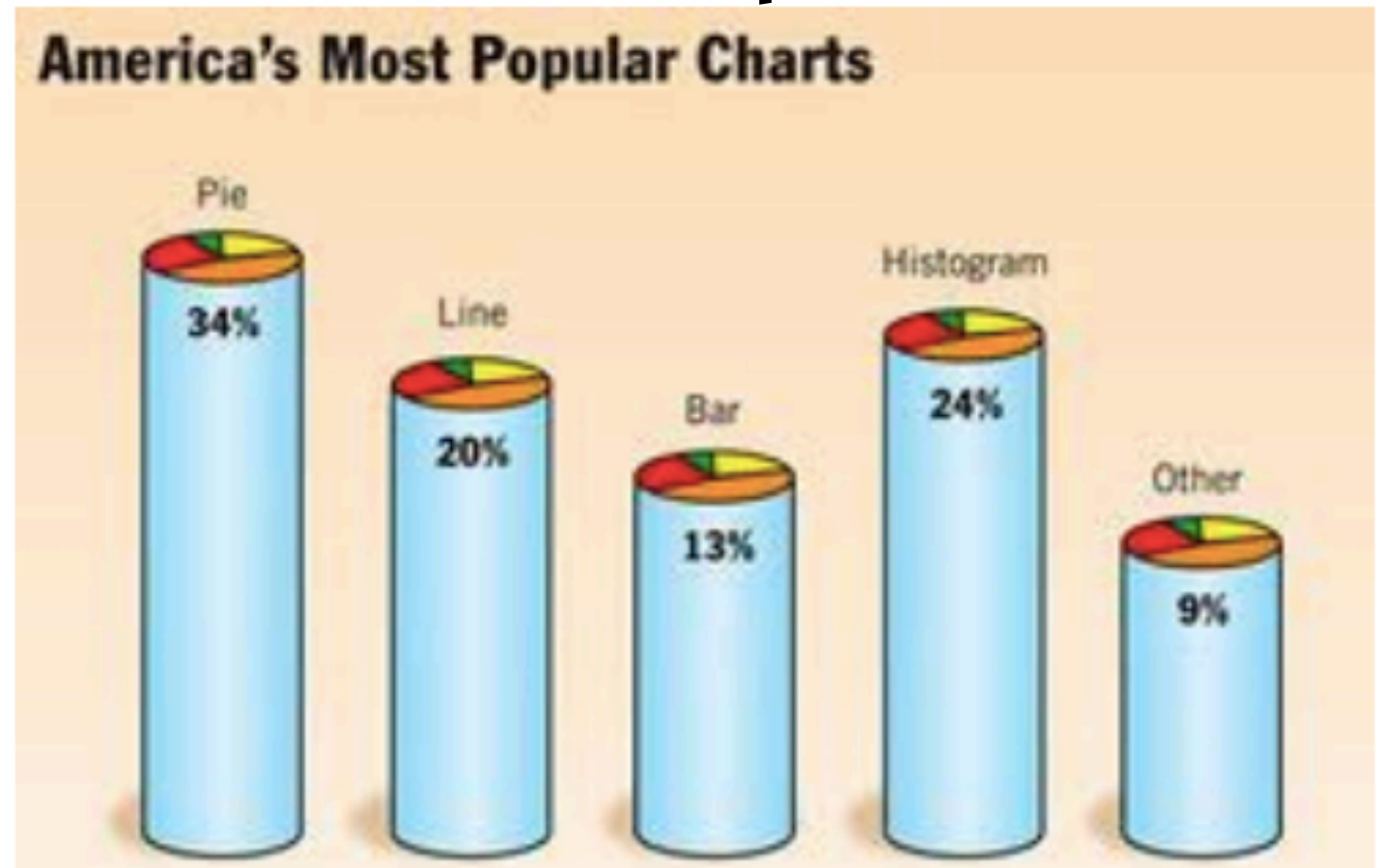
Everyone come back at 2:10pm PT

LAST TIME

Your turn: What's wrong with these graphs?

Graph A

USA Today

Graph B

The Onion (parody)

N=46 responses

Lecture 8: What's wrong with these graphs? (Name one specific problem with either of them)

" I think that one of the graphs was lacking the correct form of visualization especially to best portray the underlying message of the data. "

" Graph A using the signs is both unclear in the visual scale of the values, the business of the background color, and the labelling is confusing. Graph B is completely nonsensical and confusing. Do we look at the pie chart? The bars? The percentages? What is it trying to tell us? That's the Onion for ya. "

" The one on the left is too busy. There is a lot going on in the background. The second is too hard to read becuse of small text "

" In graph A is should show more of a hight representation ? Graph B shows some similar representations of 13% &9% "

" They graphs don't really seem to have two variables depicted on axis. They really just depend on readers to compare the size of shapes. "

Lecture 8: What's wrong with these graphs? (Name one specific problem with either of them)

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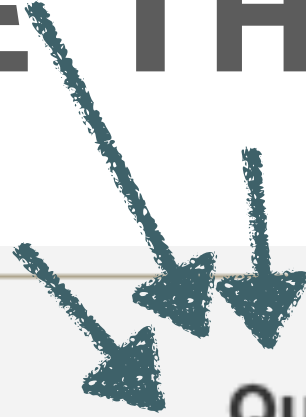
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DUE THIS WEEK

| 5 | Apr 26 | Data = Model + Error *Before:* Chapter 5 *During:* Lab 3A | Quantifying error *Before:* Chapter 6 *During:* Lab 3B | Practice Quiz 3 | Lab 2 Due |

Please take note that this week there are two CourseKata chapters assigned.

Question: Are you currently having trouble accessing/using CourseKata through Canvas?

Due This Week

| 5 | Apr 26 | **Data = Model + Error**
Before: Chapter 5
During: Lab 3A | **Quantifying error**
Before: Chapter 6
During: Lab 3B | Practice Quiz 3 | Lab 2 Due |

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

Due This Week

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During: Lab 3A | **Quantifying error**
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Lab 2A, 2B, 2C are due this Friday. You are welcome to submit early!

IN SECTION THIS WEEK

➤ In the **"Exploratory Data Visualization"** worksheet, we focused on visualizing several different variables in the psyc60 dataset.

➤ In the **"Refining Data Visualization"** worksheet, we focused on how to refine your data visualizations to be more informative, as well as nicer looking.

➤ In this week's **"Targeted Data Visualization" (the final piece in our exploratory visualization series)**, your group will pick two variables that you are especially interested in understanding the relationship between and construct a nice-looking data visualization of the relationship between these two variables.

Next week: Project Milestone #3: Preregistration Next week, you will officially commit to a specific research question (i.e., about the relationship between two variables) for your final project and practice connecting this question to the specific data you have.

Quiz 2

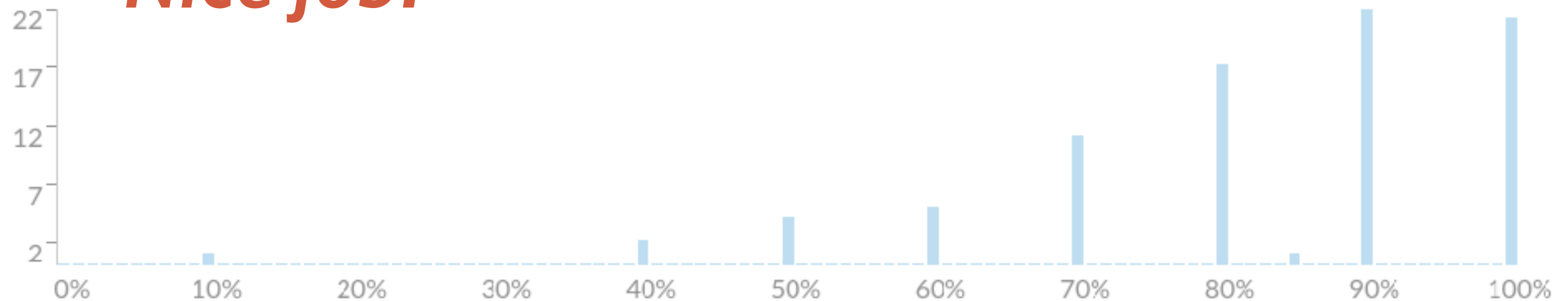|				
ⓜ Average Score	ⓐ High Score	ⓢ Low Score	σ Standard Deviation	🕒 Average Time
82%	100%	10%	1.73	13:45

Nice job!

Please take time to review the questions you missed on Quiz 2, and feel free to post any follow-up questions in the #quizzes Slack channel.

A quick announcement from
Jarrett Lovelett about discussion section this afternoon (Mon 3pm)!

And now for a brief review of Lab 1 highlights from our very own **Saurabh Mirani!**

Today

Lab 3A: Sampling Variability

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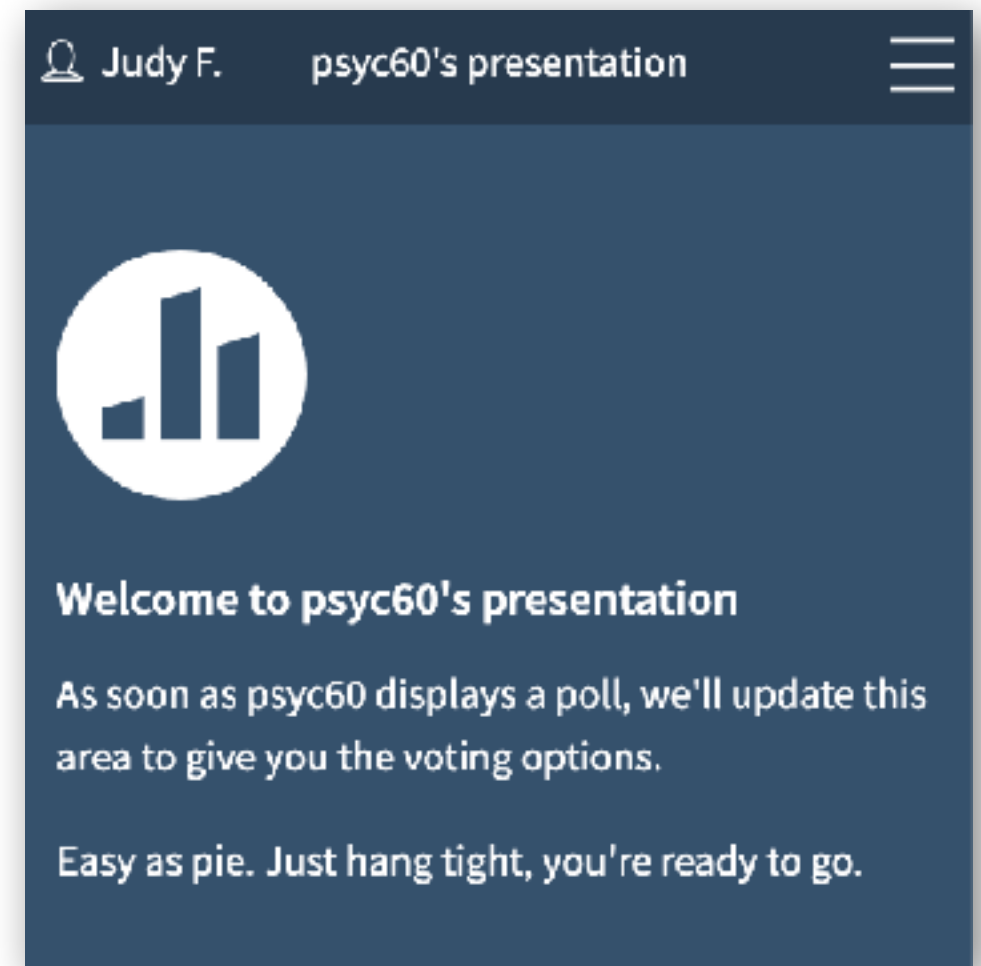*Return to main room and debrief*

Starring Saurabh Mirani!

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!)

Everyone come back at 2:10pm PT

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 3A | General Impressions

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

0 done

⟳ 0 underway