



PSYC 60: INTRO TO STATISTICS

Prof. Judith Fan
Spring 2021

LAST TIME

LAB 4A: ANALYSIS OF VARIANCE (ANOVA)

1



2



3

*General
announcements*

*Break out
into
lab groups*

*Return to main
room and
debrief*

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

REMINDER ABOUT GRADING

PSYC 60: Introduction to Statistics

Team

Syllabus

Schedule

Labs

Project

Resources

Prof. Judith Fan

Spring 2021

📍 UC San Diego, La Jolla, CA

✉ Email

Syllabus

Why take this course?

It is impossible to understand the modern world without an understanding of statistics. From public opinion polls to clinical trials in medicine to online systems that recommend purchases to us, statistics play a role in nearly every aspect of our lives. The goal of this course is to provide an understanding of essential concepts in statistics — how to construct models to explain variation in data — as well as the skills to apply these concepts to real data.

At the end of the course, students will possess:

- **Statistical literacy:** The ability to dissect and understand statistical claims in scientific research and popular media
- **Statistical ability:** The skills necessary to apply statistical analysis methods to real data
- **Statistical curiosity:** The interest in further developing their statistical skills and knowledge, and the confidence in your ability to do so

📄 On this page

Why take this course?

What we offer

What we expect from you

How we are supporting you

What you will be doing

CourseKata Modules (40% of your grade)

Final Project (28% of your grade)

Labs (20% of your grade)

Quizzes (10% of your grade)

SONA Study Participation (2% of your grade)

Grading

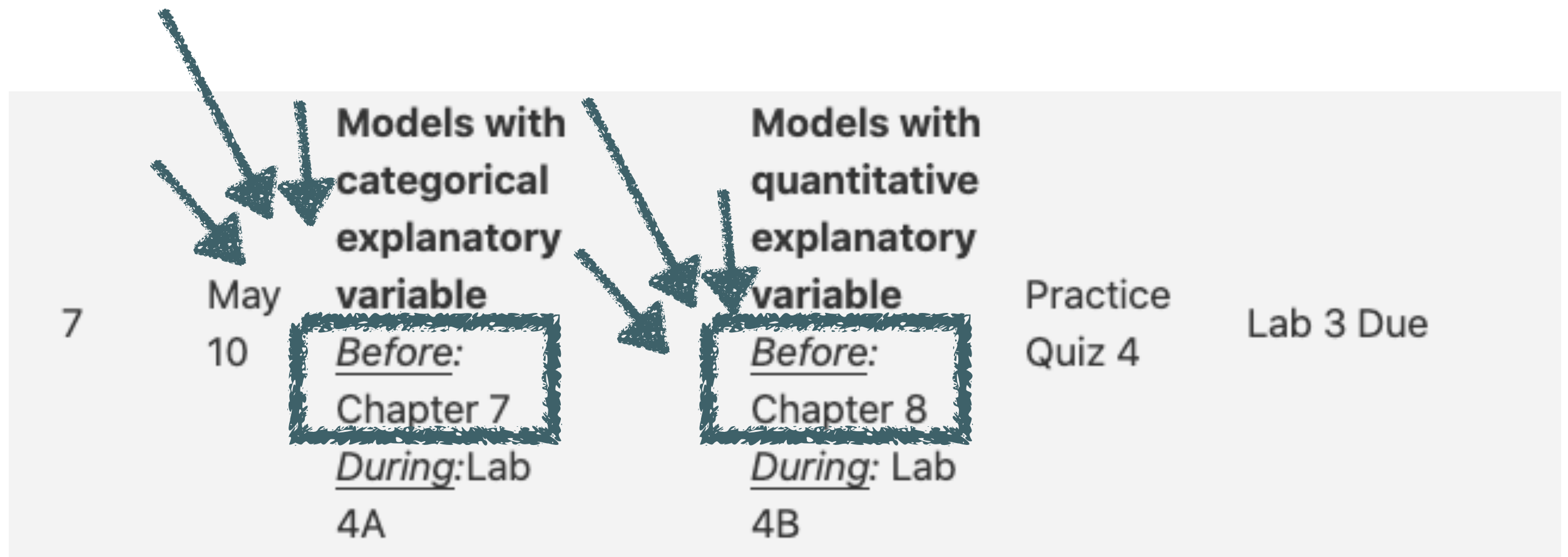
What We Expect From Everyone

Student Background Survey

Feedback

Acknowledgements

DUE THIS WEEK



Note: There are two CourseKata modules due this week. Chapter 7 is due today. Chapter 8 is due Wednesday.

DUE THIS WEEK

7

May
10

**Models with
categorical
explanatory
variable**

Before:

Chapter 7

During: Lab
4A

**Models with
quantitative
explanatory
variable**

Before:

Chapter 8

During: Lab
4B

Practice
Quiz 4

Lab 3 Due

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

DUE THIS WEEK

7

May
10

**Models with
categorical
explanatory
variable**

Before:

Chapter 7

During: Lab
4A

**Models with
quantitative
explanatory
variable**

Before:

Chapter 8

During: Lab
4B

Practice
Quiz 4

Lab 3 Due



Lab 3 must be
submitted via DataHub
by 11:59pm PT on
Friday, May 14. Feel
free to submit early!

IN SECTION THIS WEEK

- **Last week:** For **Project Milestone 3: Preregistration**, your group settled on which two variables you planned to focus on in your final project. Only the corresponding author submitted this worksheet!
- **This week:** In **Project Milestone 4A: Data preprocessing (due May 21)** you will be getting practice preparing your data to be fit with a linear model by applying any needed preprocessing (e.g., filtering out obvious outliers, recoding variables)
- **Next week:** **Project Milestone 4B: Model fitting (due May 21)** next week, you will use what you learned in Chapters 7&8 (and practiced in Lab 4A & 4B) to actually fit a linear model to your data & interpret your results.

TODAY

LAB 4B: LINEAR REGRESSION

1



2



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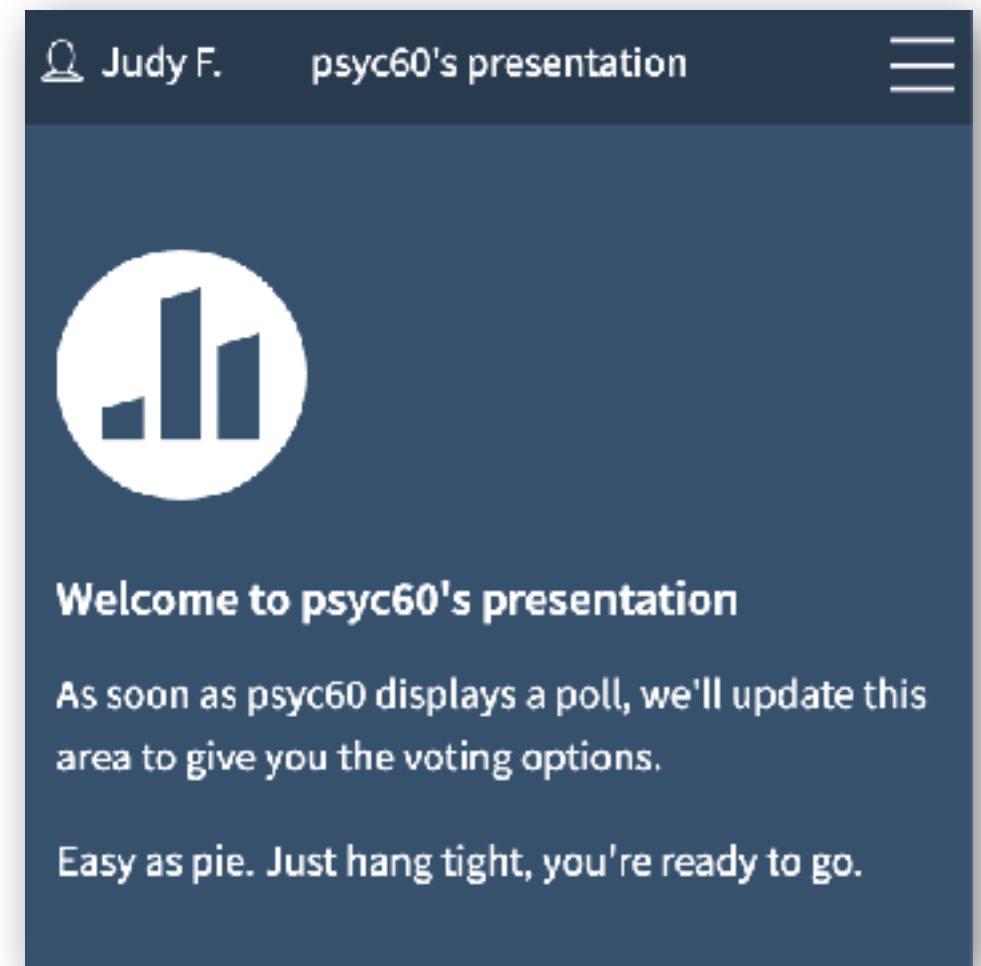
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DEBRIEF

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 4B | General Impressions

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

0 done

 **0 underway**