

# **Week 1 - Introduction & Review**

**PSY 4433**

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**Cal Poly Pomona**

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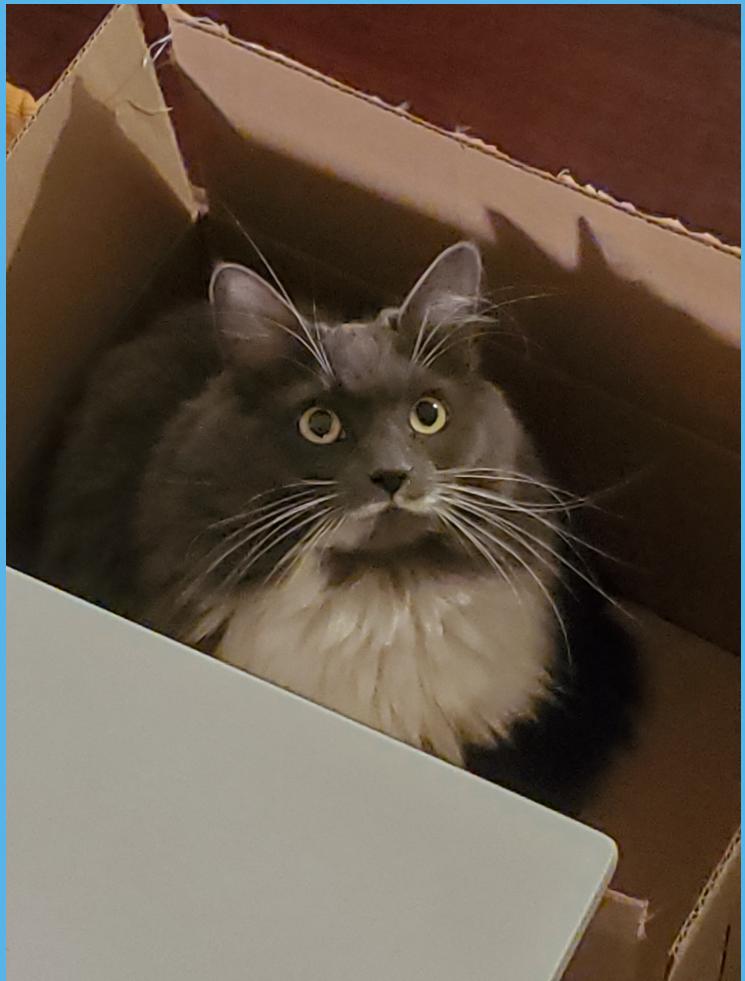
# Agenda

- Introductions
  - Areas of Interest
- Discuss main assignments
  - Discussion Posts
  - Exams
  - Research Participation
  - Creating an Experiment
  - Creating a Survey
  - Practicing our SPSS Skills
  - Writing an IRB Proposal
  - Writing for Funding of your Project
  - Group Presentation Included
  - Writing a Research Paper
  - Group Presentation Included

# About Me



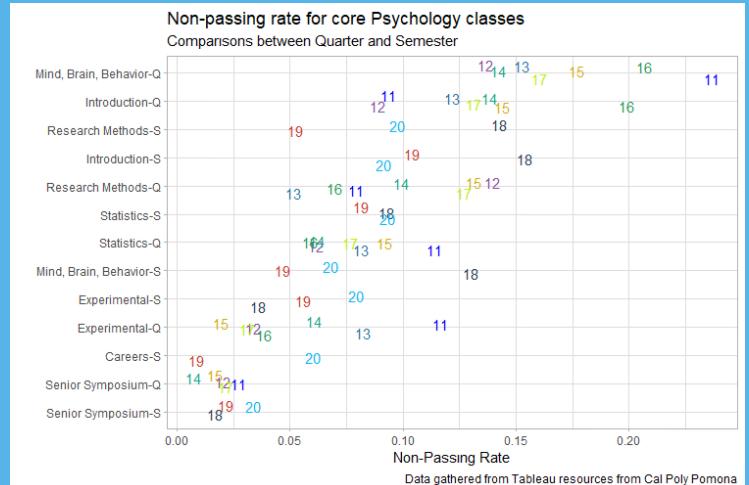
- My name is Jonathan A. Pedroza (he/him)
  - please refer to me as **JP** unless around other instructors/faculty
- First-generation Graduate
  - CPP Alumni (2014)
  - CSUDH (2017)
  - University of Oregon (2021)



- Hobbies include: fishing, hiking, cooking, and coffee

# Nerdy Stuff

- Passion/Nerdy Topics:
  - I love creating data visualizations in R
  - health inequities in communities of color
  - examining environmental variables that influence health behaviors



# Tell Me About Yourself

- Name, Activity Section, and pronouns
- What do you want to do after you graduate?
- What is your experience with statistics and SPSS?
- What is your experience with conducting research?
- Name a topic/area of interest for you that you would want to

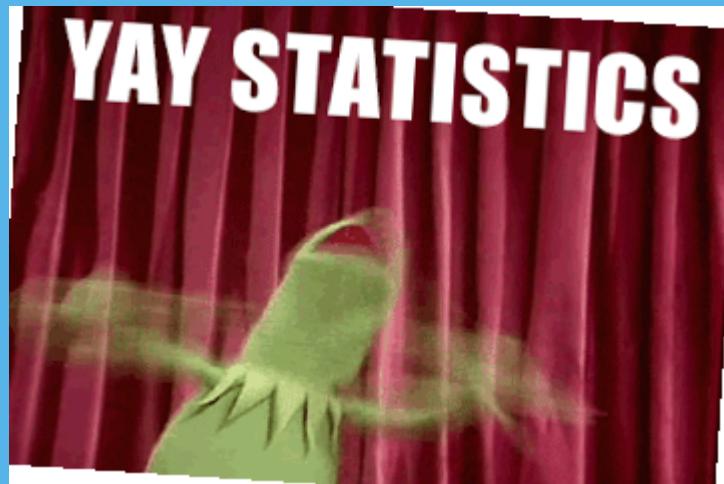
# Creating an Experiment

- the experiment will revolve around group work
  - groups of 2 to 3...unless you want to work alone
- find someone who has a similar area of interest
- plan to set times to work with your group to find times to administer test/survey



# Creating an Experiment

- you will have to use more complex statistical analyses learned in PSY 3307
- Two options for research designs
  - repeated-measures design
  - factorial design



# Getting Creative

- Who is entirely online other than me?



- if CPP stays online, you'll have to get creative when administering your experiment
  - Ex: random selection = randomly putting participants into two break-out rooms in a zoom session
  - Ex: separate zoom rooms based on a criteria, taking survey within a certain time after eating dinner to see if it has an effect on what you are studying

# Getting Creative

- we will have discussion assignments where everyone will share their designs/surveys/etc. and **ALL** other students will offer some thoughts on improving the design/survey/etc.

# Creating a Survey

- we will work on this together during lab time
- we will practice using either SurveyMonkey or Qualtrics

# Writing an IRB Proposal

- Think of this as a working outline for writing the funding paper and the final research paper
- we will work on each part during lab and you will finalize each part to finish each paper

# Writing for Funding of your Project



- will probably be the most difficult assignment
- a lot of formatting, but we'll cover this and you'll have examples
- used by many organizations
  - non-profits
  - academics
  - (private/public) research institutions
  - grant writer is a full-time position

# Final Paper

- Cover the main parts of the paper
  - Introduction
  - Method
  - Results
  - Discussion
  - Formatting
- Everything used in the IRB proposal and the funding proposal will make up a good chunk of this paper
  - you also have group members to help you out

# Group Presentations



- Everyone is expected to participant in both presentations
- When not presenting, every other student will be required to ask a thought-provoking question about the presentation

# What I Need From You

- Cameras are optional
  - It helps me see if you are confused
- Unmute yourself and interrupt me
- put in the chat that you are confused
- private message me in the chat that you are confused

# Why All of The Assignments JP?



- Survey design, creating a design, writing research papers, and applying for funding are all useful skills
  - throw in statistics and you can be pretty marketable