



# STAT 33A Overview

Nick Ulle



# Why STAT 33A?

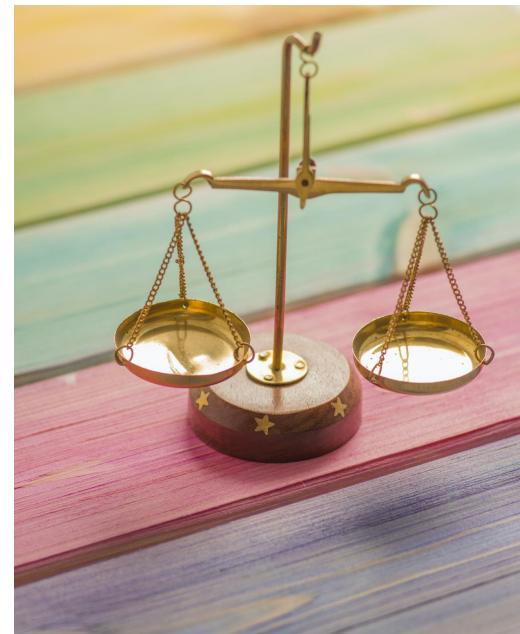
You'll learn how to:

- Work with files and programming languages
- Use R's data analysis tools
- Implement simple algorithms in R

Many of the skills transfer to other languages.

# 33A vs 33B

- 33A
  - No prerequisites
  - Slower pace with more examples than 33B
  - Emphasis on data analysis
- 33B
  - For experienced programmers
  - Everything in 33A and more
  - Emphasis on software development
  - Not meant to be taken after 33A



# Course Structure

- **Friday:** Lecture & workbook posted
- **Monday:** Quiz
  - 4 quizzes, 10% of grade
- **Thursday:** Workbook & homework due
  - 13 workbooks, 20% of grade (no week 1 workbook)
  - 7 homeworks, 50% of grade

Final exam for 10% of grade

Participation for 10% of grade

# Piazza

- Piazza is the class forum
  - [piazza.com](https://piazza.com)
  - Participate 2 times per week on average
- Piazza or office hours for questions about course materials.
  - Search before posting
  - Explain context for questions
  - Provide minimal examples
  - Post code as text, not images
- Email **only** for private matters.

# Final Note

This course is meant to teach you, not rank you:

- No curve
- 1 extension
- Low-stakes quizzes and exams

Honor code: *As a member of the UC Berkeley community, I act with honesty, integrity, and respect for others.*



# Setting Up: R & RStudio

Nick Ulle



# Setting Up

Two pieces of software:

- R
  - [r-project.org](https://r-project.org)
- RStudio Desktop Open Source Edition
  - [rstudio.com/products/rstudio/](https://rstudio.com/products/rstudio/)







# The R Interface

Nick Ulle





# Variables

Nick Ulle





Calls

Nick Ullé

