

Introduction to Statistical Learning

Nate Wells

Math 243: Stat Learning

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Outline

In today's class, we will . . .

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- Review course logistics

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In today's class, we will . . .

- Review course logistics
- Guess how old I am

Section 1

Logistics

Course Information

- The course website: <https://reed-stat-learning-fall-2020.github.io/>
 - Check every day!
 - Schedule, list of assignments, resources
- Slack: <https://reedmath243fall2020.slack.com>
 - Check every day (or more frequently)!
 - Announcements, discussion, direct messages
- GitHub Classroom: <https://classroom.github.com/classrooms/69487382-reed-stat-learning-fall-2020-classroom>
 - Check weekly (or more frequently)
 - Place to obtain and then submit homework

For Next Time

- Sign up for our class Slack workspace (if you haven't already)
- Review the course website (Wednesday's schedule will be update later today)
- Sign up for a GitHub account!

Section 2

How old am I?

The Rules

- The following slides contain photos of 8 math and stats faculty at Reed.
- **Goal:** Estimate the age of each faculty member (at the time the picture was taken)
- Work in groups to develop a consistent method for estimating age. Think about:
 - What explicit features are you analyzing?
 - How do you convert these features to numeric estimates?
 - How do you resolve differences in opinion among group members?
- Record your estimates for each faculty member on ****your group's page*** in the following google sheet:

<https://docs.google.com/spreadsheets/d/1alwrNEzM8y72z91qcipiT4bZLxBF5ecJ-xcOOrxPep0/edit?usp=sharing>

- *The group with the best overall estimation will win a prize*

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7

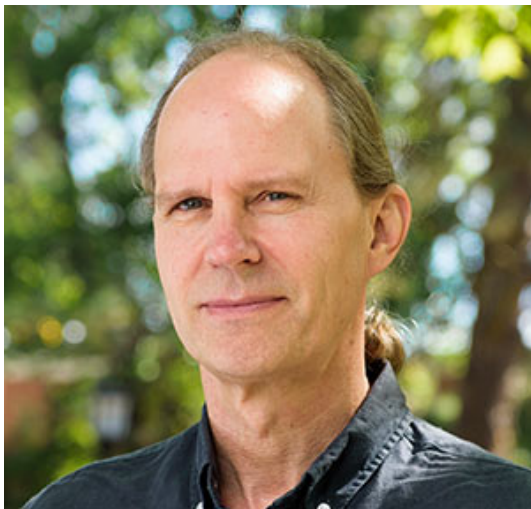


Photo 8



Debrief

- How should we quantify error?
- What are some sources for error in our estimates?
- How should we assess the overall accuracy of a group's predictions?
- How do we determine the most accurate predictors?
- Did any groups seem to consistently over- or under-estimate ages? By how much?
- Do any faculty member ages seem to consistently be over- or under-estimated?
- Are there any faculty members where the guesses seem to be in a particularly large or small range?