Making remote lectures active and inclusive in a large undergraduate course

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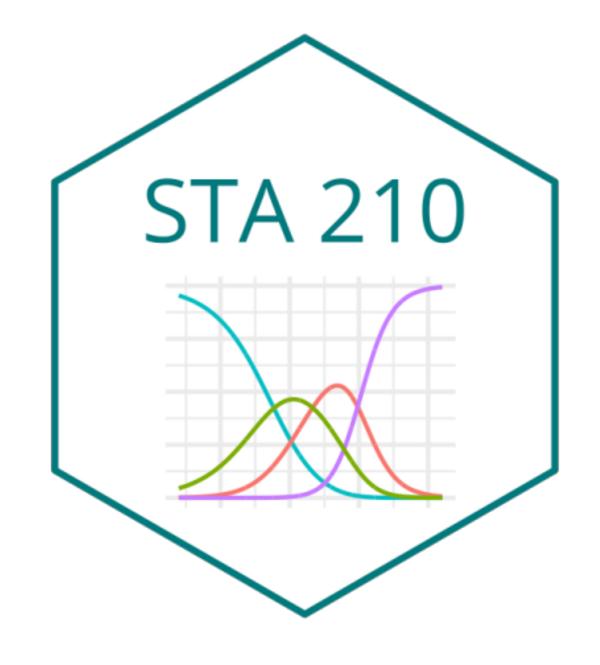


Background



Located in Durham, North Carolina

~ 6500 undergrads, ~ 9100 grads



90 students in Spring 2020

2 lectures + lab each week

Lecture format

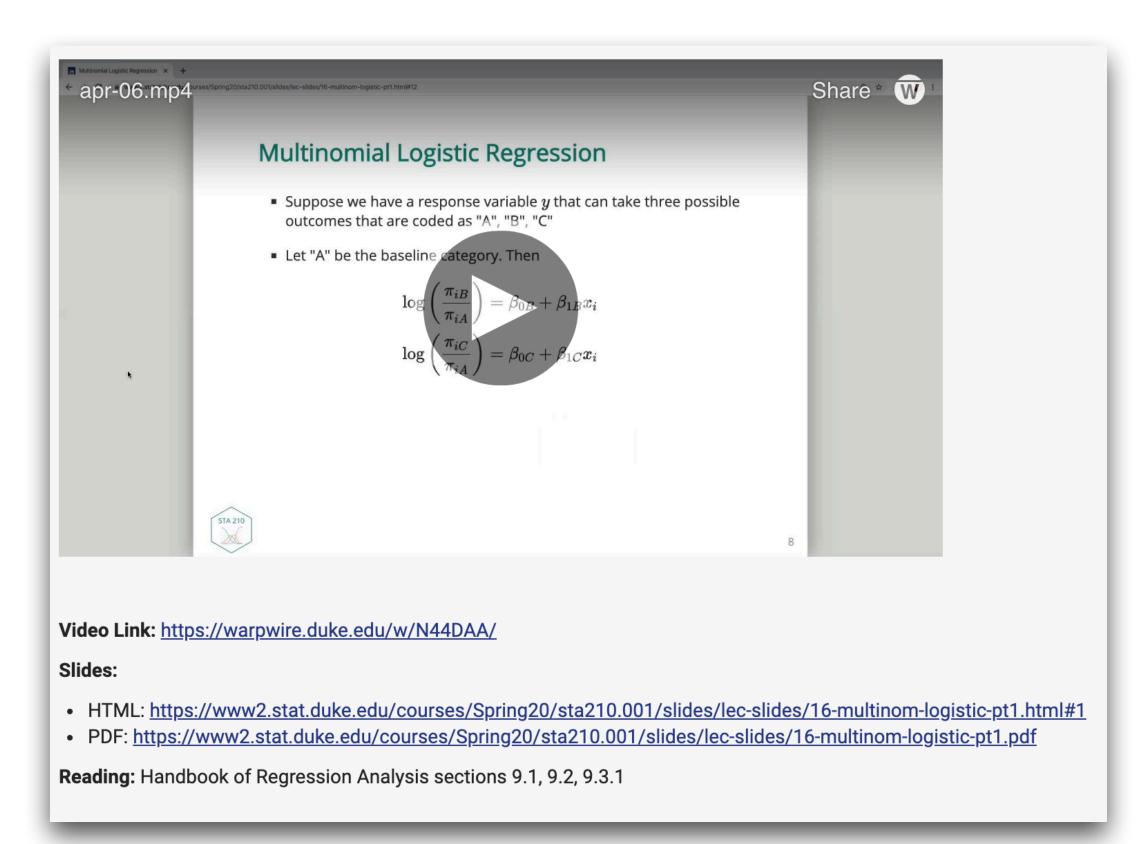
asynchronous

Lecture content videos + Live lecture sessions

synchronous

Lecture content videos

- "Video textbook"
- Slides and discussion questions
- Posted in discussion thread in learning management system (LMS)
- Students post questions in discussion thread



Live lecture sessions

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Welcome to STA 210!!

open the multinomial logistic analysis

and or HTM2 file.

If you have any questions, post them in the chat
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- Focused on application
- Answer questions from lecture content videos
- Interactive sessions
- Recordings posted in LMS

"Efficient content delivery and community"

- Undergraduate student

"Efficient + effective content delivery and inclusive community"

- Undergraduate student + Maria

What worked in the spring

- Small group activities
 - Breakout rooms
 - Collaborative documents
- Using technology to encourage participation
 - Polls
 - Chat
 - Reactions
- Short break during live lecture session

What I'm trying in the fall

© Casual small group discussion at beginning of live lecture session

Page but not require students to use video

Assign someone to manage chat and questions

Making online lectures more inclusive

- Understand students' learning environments
 - Time zone
 - Primary device (laptop, tablet, mobile phone, etc.)
 - Access to quiet study space
 - Other concerns (optional)

- Make videos easy to view
 - ~ 10 minutes
 - Content readable on multiple devices
 - Add captions

Making online lectures more inclusive

- Reduce barriers to participation
 - Offer multiple ways to participate synchronously and asynchronously
 - Practice video conferencing features with the class
 - Record and post sessions

Get feedback from students

Resources for remote lectures

• Teaching online on short notice by Greg Wilson

• Flex Teaching: A Guide to Course Delivery by Duke Learning Innovation

• <u>Tips for live teaching tech online, deeply informed by the Carpentries</u> by Elizabeth Wickes

• <u>6 tips for creating engaging video lectures that students will actually watch</u> by Simuelle Myers

Thank You!

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