

ISLE for Remote Instruction

Philipp Burckhardt

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Video Recording:
<https://bit.ly/3d0znFM>

- The Integrated Statistics Learning Environment (ISLE) is a browser-based eLearning platform designed for interactive, real-time collaborative instruction.
- Core of my PhD thesis project advised by Rebecca Nugent and Chris Genovese
- We have been working on ISLE for over three years and it is by now used in multiple classes at CMU and beyond

Sketchpad Functionality

- Can upload existing lecture slides in PDF format to ISLE
- Instructors and students can make annotations
- Instructor annotations are transmitted in real-time to all logged-in users
- PDF with annotations can be generated and made available to students through the platform
- Other interactive ISLE components (think of widgets, simulations, R code shells, point & click data exploration tools) can be embedded on the slides

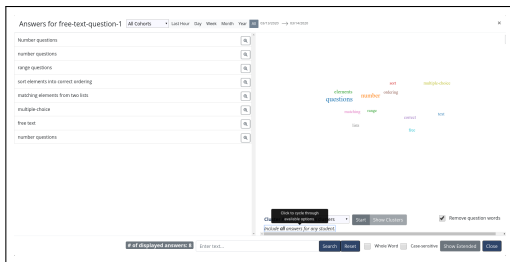
Clicker-style Questions + Real-Time Answer Visualization

What question types are supported?
Your answer:

Enter your answer here...

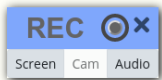
Answers ▾ Show Solution Join Chat Submit

(a) Free-Text Questions

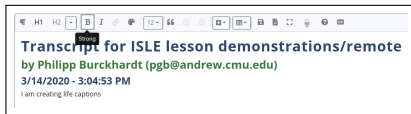


(b) Response Visualizer

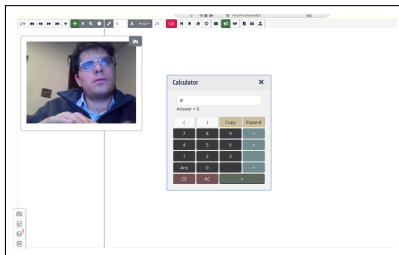
Recording + Broadcasting



(a) Record lectures



(b) Transcripts and live captions



(c) Broadcast Video

Taped Lecture: Planning to Flip the Classroom?

- Video lectures can include any ISLE component (e.g, questions, chat, feedback, widgets)
- Support for adaptive, branching video lectures
- Successfully implemented by Marian Frazier at College of Wooster in Fall 2019

- ISLE runs natively in any major web browser, no installation required from students
- Instructors can author lessons using the ISLE Editor
- We will hold regular office hours and be available for instructor support for the duration of remote learning
- For more information, visit <http://stat.cmu.edu/isle>

The End