Prior Research & Evaluation Framework

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OUTLINE

• Prior OER research
• OSU ALX Impact Study
• Ohio OER statewide evaluation framework
  • All colleges
  • Focal sites
PRIOR RESEARCH

What do we already know?
What impacts might we expect?

Day 1 access; better alignment – higher grades
No cost issue – less drops / more adds

Less digital access?
Poor annotation?
Device distraction?
PRIOR RESEARCH: OER STUDENT OUTCOMES

• No or mild positive impact on drops, withdrawals, grades
Fischer: 15 courses, 10 colleges

- Completion & grades similar or better
- OER students enrolled +1 to 2 credits same & next term

Hilton: 67 courses, 1 CC

- “Course throughput rate”: proportion students enrolled Day 1 completing with C or better
- 6 pp higher

Recent Research (Large samples, mostly descriptive)
PRIOR RESEARCH: OER STUDENT OUTCOMES

- No or mild positive impact on drops, withdrawals, grades
- Student characteristics: only a few studies took into account
- Instructor/course effects: Not taken into account
- Heterogeneity: Not examined by student SES, nor by OER qualities
OSU ALX Impact Study

What are we learning?
AFFORDABLE LEARNING EXCHANGE

Promote affordable learning by re-imagining the textbook. Adopt, adapt, create, and share open educational resources.

affordablelearning.osu.edu

Office of
Distance Education and eLearning
ALX IMPACT STUDY: GOALS

• **Quantify** impacts on low-income student progression

• **Explore** impacts on teaching & learning processes

• **Improve** the current program
ALX Impact Data Collection Methods: 2016 - 2018

- Student Surveys
- Faculty Interviews
- Student Record Data Analysis
Survey Results

• Students like Quality & Experience better than traditional texts

• Particularly more-satisfied with:
  • Access (66%)
  • Relevance (63%)
  • Currency (66%)

• Some less satisfied with:
  • Access (8%)
  • Study aids (18%)
  • Comfort (14%)
  • Annotation (17%)
  • Distractions (26%)
SATISFACTION: If two different sections of the course were offered... which section would you prefer to enroll in?
FACULTY PERCEPTIONS
“The opportunity to tailor the information to our student body and what we wanted them to have in terms of the course and to make it specific to them and to their experiences. Also, to save them money…”
Perception of Student Impact

- Motivation
- Feedback
- Participation
- Learning
Statewide Evaluation

How will we learn together?
EVALUATION TEAM

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Principal Investigator

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Co-PI

Marcos Rivera
Graduate Researcher
Annual reporting: provide for each section of each relevant course

- Section number *
- Section online or hybrid? *
- Anonymized faculty ID *
- Section enrollment cap *
- # enrolled in section at census date *
- # completing section C or better *
- Adopted OH OER in whole or part?
- Textbook/materials cost for this section

* at OSU? We’ll collect this for you

We’ll make reporting easy for you!!
FOCAL COLLEGES

4 colleges of varying types

• Administrator interviews (OER benefits & barriers)
• Adopting and non-adopting faculty interviews (benefits & barriers)
• Student surveys
• Student-level record data
  • Demographics
  • Course transcript info
QUESTIONS?