

# OPEN LEARNING INITIATIVE

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## BACKGROUND

- Scientifically-based online learning environments based on the integration of technology and the science of learning with teaching.
- Current Goals
  - Support better learning and instruction with high-quality, scientifically-based, classroom-tested online courses and materials.
  - Share our courses and materials openly and freely so that anyone can learn.
  - Develop a community of use, research, and development.

## OBJECTIVES

- Explore how the pandemic changes use patterns for instructor and students
- Impact on Students' performance (UCD research showed performances were improved during pandemic)
- Causal relationship
- Future research recommendation

# DATA

- 2 datasets (individual clickstreams / aggregated)
  - Categorize data into 2 time periods: pre-pandemic and during-pandemic (2019 Fall – 2020 Fall)
  - Students' performances are measured through assessment scores

## Technical Knowledge

- Director of OLI
- Director of Training and Development at iCarnegie Inc.
- Taught Computer Science courses at Community College of Allegheny County



THANK YOU!