Improving Student Outcomes Through Learning Engineering
Overview

Learning Engineering to Improve Student Outcomes

Using Data to Enable Change

Conducting Systematic Research
Learning Engineering to Improve Student Outcomes
Using Data to Enable Change

Codifying the evidence base


Training

Evaluation and Feedback

Research
Conducting Systematic Research

Research Pipeline

Create partnerships with instructors, course developers and external researchers

Identify instructional and motivational problems

Conduct RCTs to evaluate interventions at scale

- Worked Example Study to Improve Performance on Logical Reasoning Qs
- Improving Students Academic Mindsets
- Using MCII to Improve Students’ Completion of Coursework