

Reflection for Recovery:

Exam Wrappers in an Object-Oriented Software Development Course Help Struggling Students

Exam wrappers can improve student outcomes

Students reported benefits to:

grasping concepts

time management

quality assurance

Used data from ~1000 students

We showed measurable gains in future exam scores.

Our methodology contributes to the science of education

An aid in CS and SE career selection / adjustment

Builds reflection skills

Critical thinking applied to exams

Analogous: Retrospective in SCRUM, QA practices

Jason Yoder

Stephen Chenoweth

Computer Science and Software Engineering