

OPEN LEARNING INITIATIVE

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INTRODUCTION

• Scientifically-based online learning environments based on the integration of technology and the science of learning with teaching.

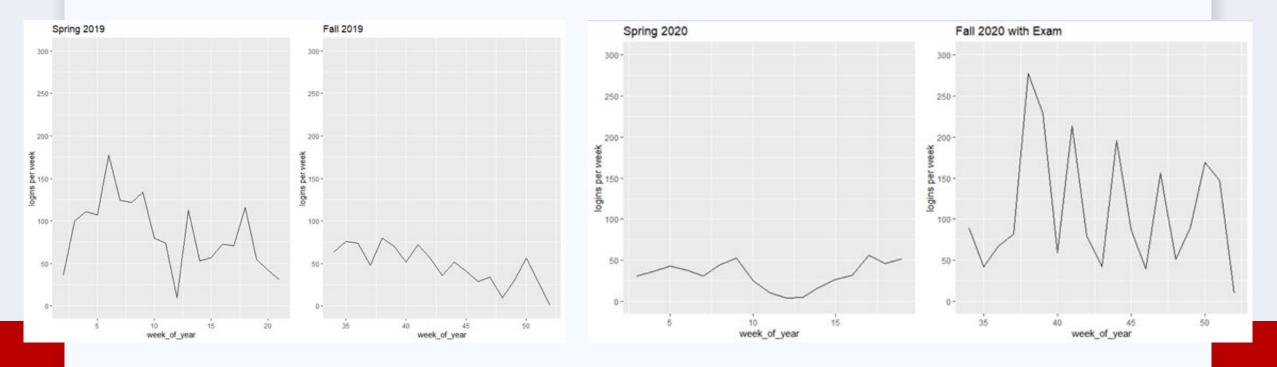
Objectives:

- Use pattern changes for instructors and students during pandemic
- Impact on Students' performance
- Future research recommendations

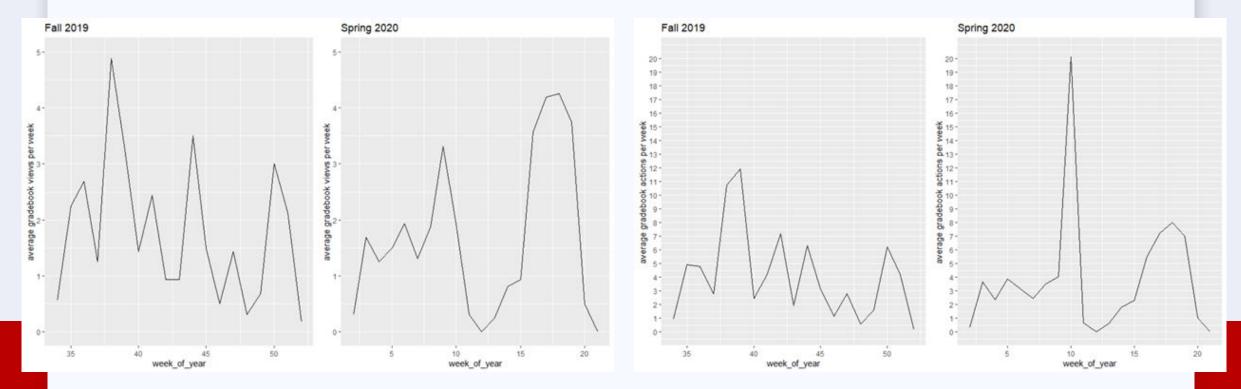
DATA

- 4 datasets
 - Roughly 39 tables each
 - Instructors/students activity records; courses information; 1st attempt correctness for high/low stake assessments

Instructor - Login per Week

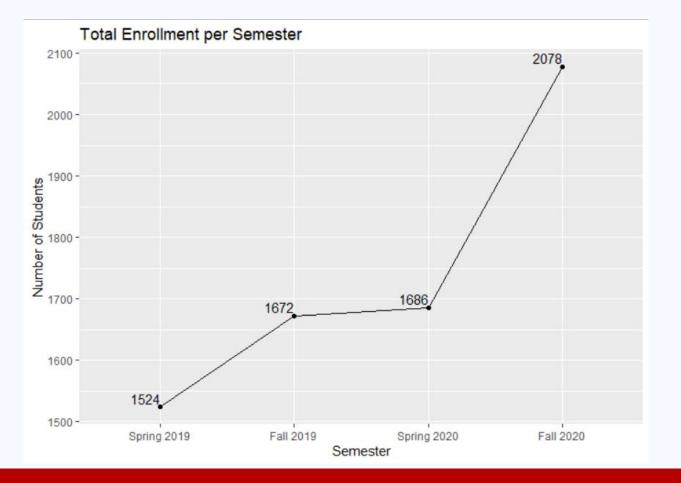


Instructor - Average Gradebook View per Week

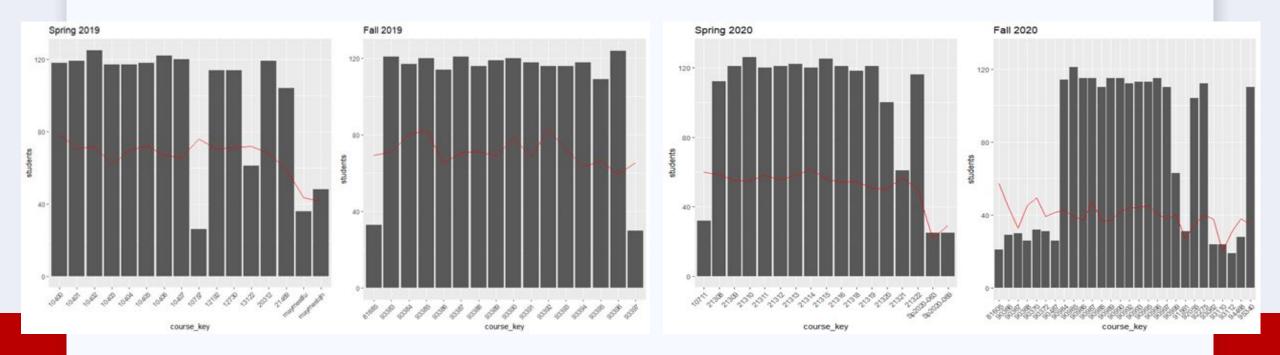


Instructor - Average Gradebook Action per Week

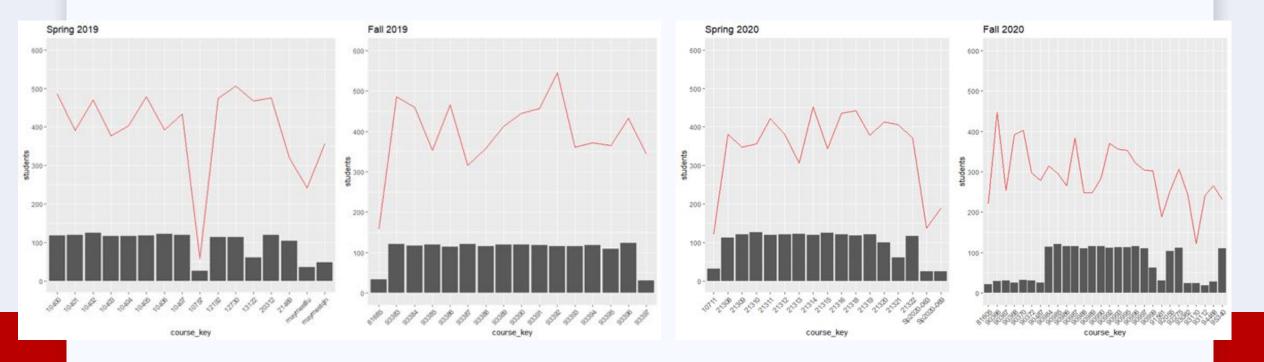
Student - Total Enrollment



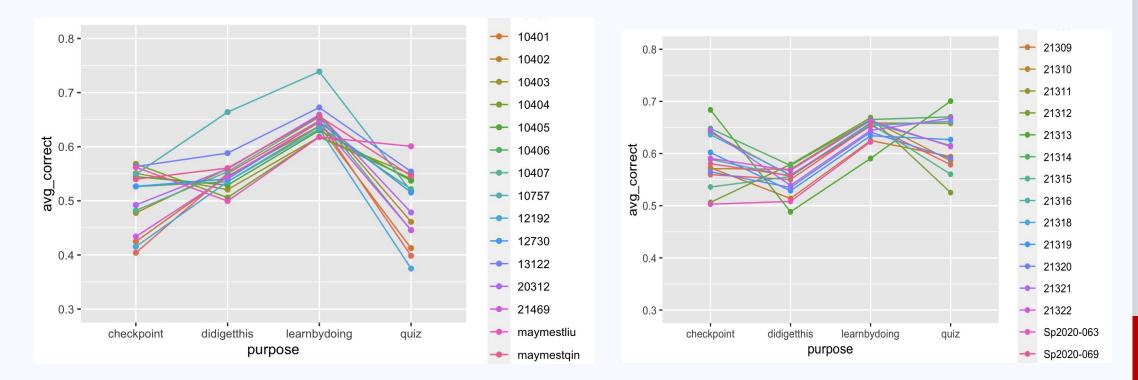
Student - Average Login per Section



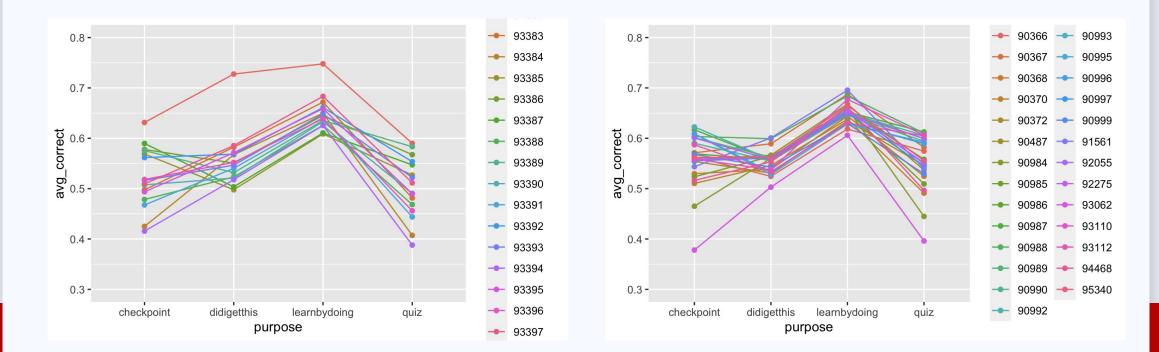
Student - Average Page View per Section



2019 & 2020 Spring low/high assessment accuracy comparison

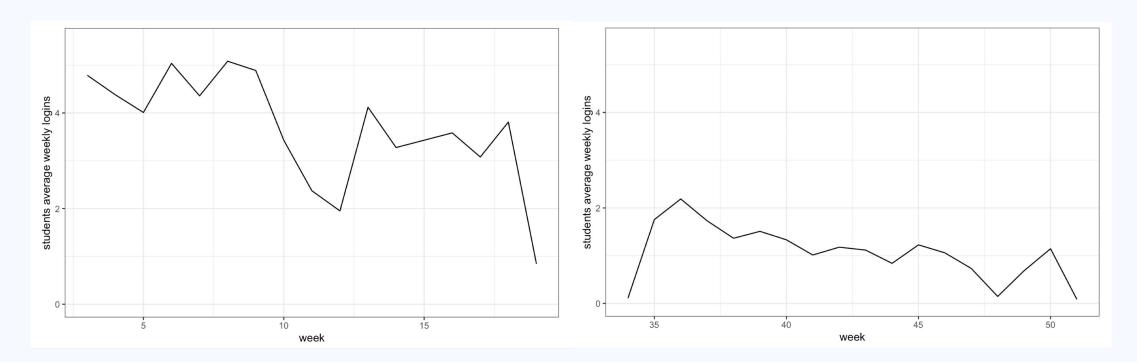


2019 & 2020 Fall low/high assessment accuracy comparison



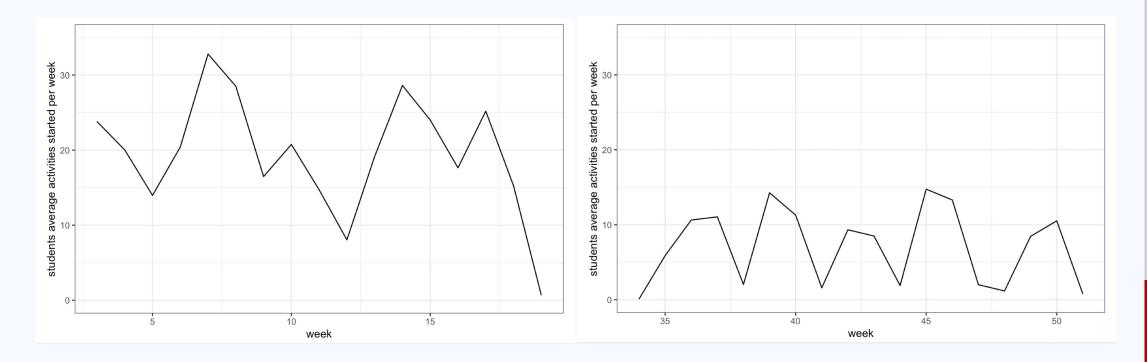
student average weekly logins s19

student average weekly logins f20



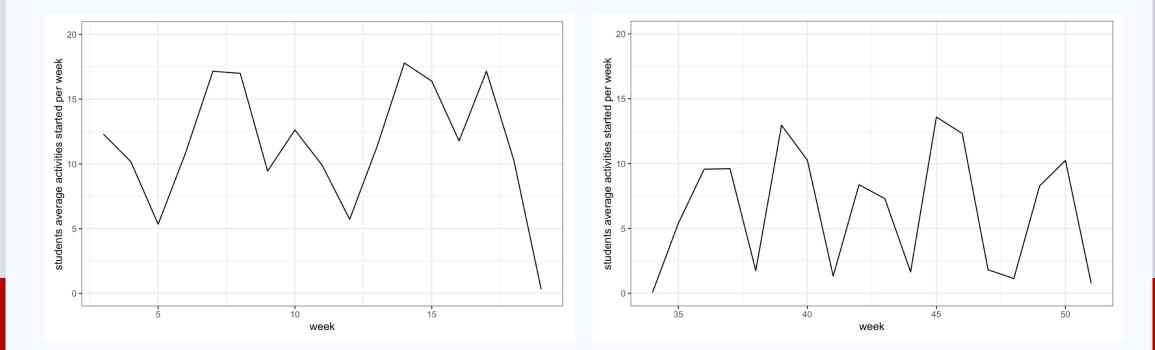
student average activities started per week s19

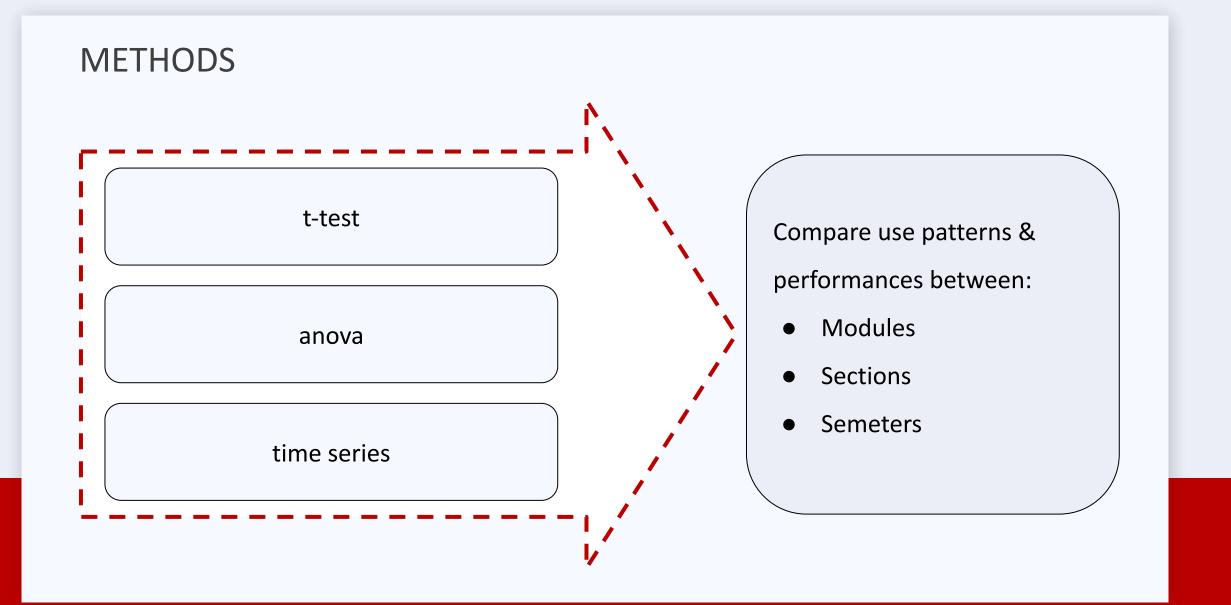
student average activities started per week f20

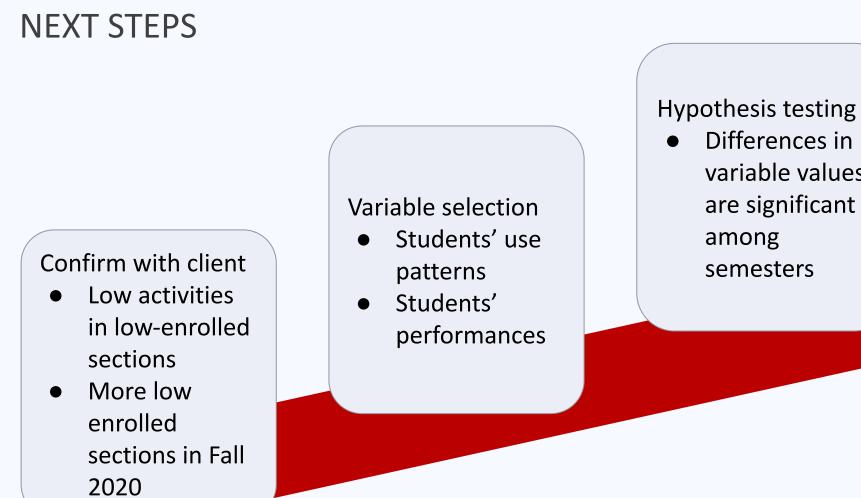


student average learn by doing per week s19

student average learn by doing per week f20







Differences in variable values are significant

> among semesters

THANK YOU!