

Academic Poster: Advice for Calculus Students from Calculus Students

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Advice for Calculus Students from Calculus Students



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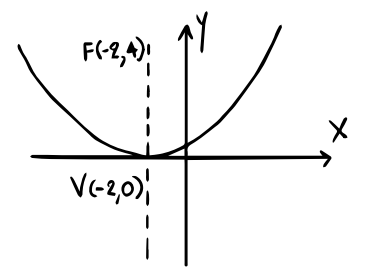
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“ Suppose you have a friend who needs to take Calculus this quarter. What suggestions do you have for them to be successful in the course? ”



“ Do more practice problems, practice makes perfect! ”

INTRODUCTION

Many students struggle with Calculus.

- Students:
- gave advice to future students
 - take common final exams

Goal: to help future students succeed in Calculus!

RESEARCH QUESTIONS

1. What is the main piece of advice that former calculus students have for incoming students?
2. To what extent does that advice correlate with performance in Calculus?

METHODS

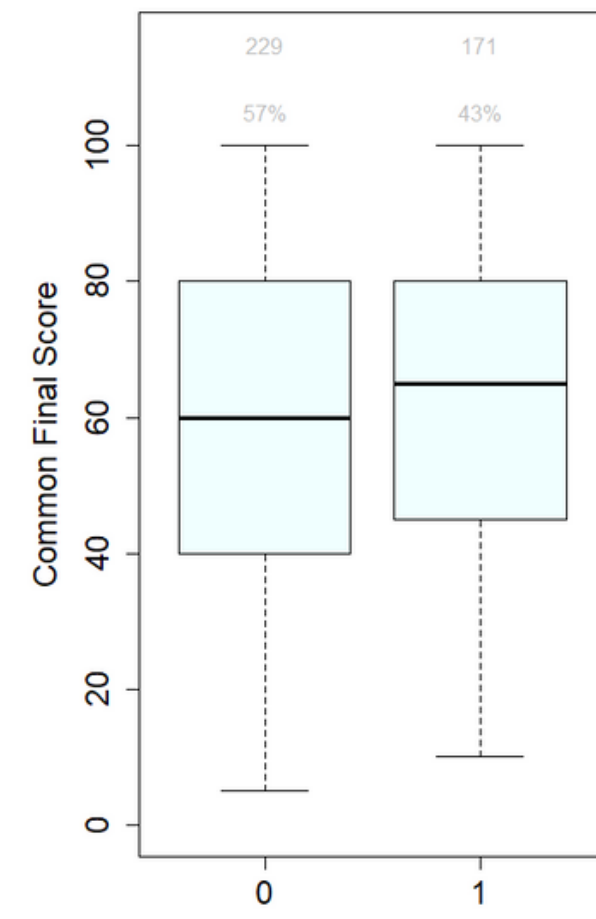
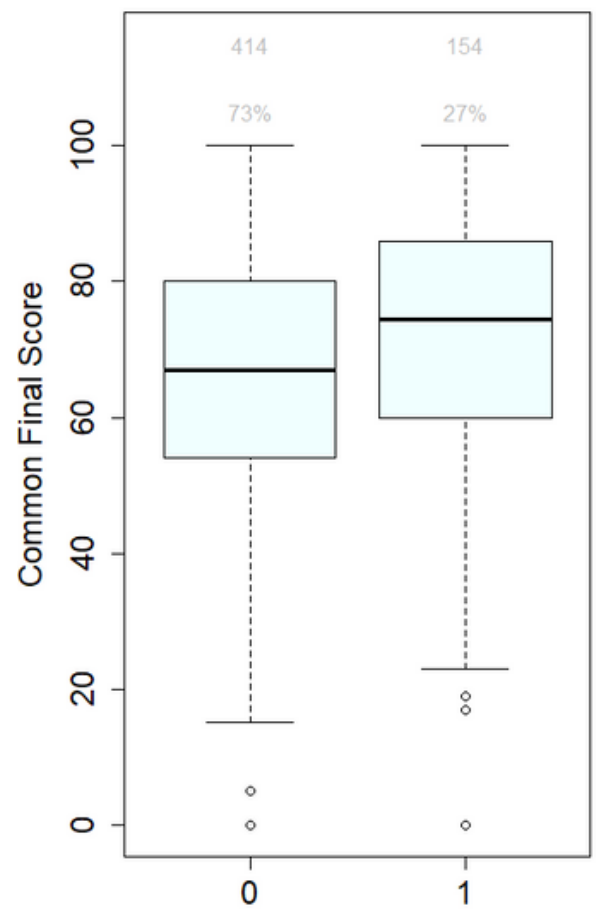
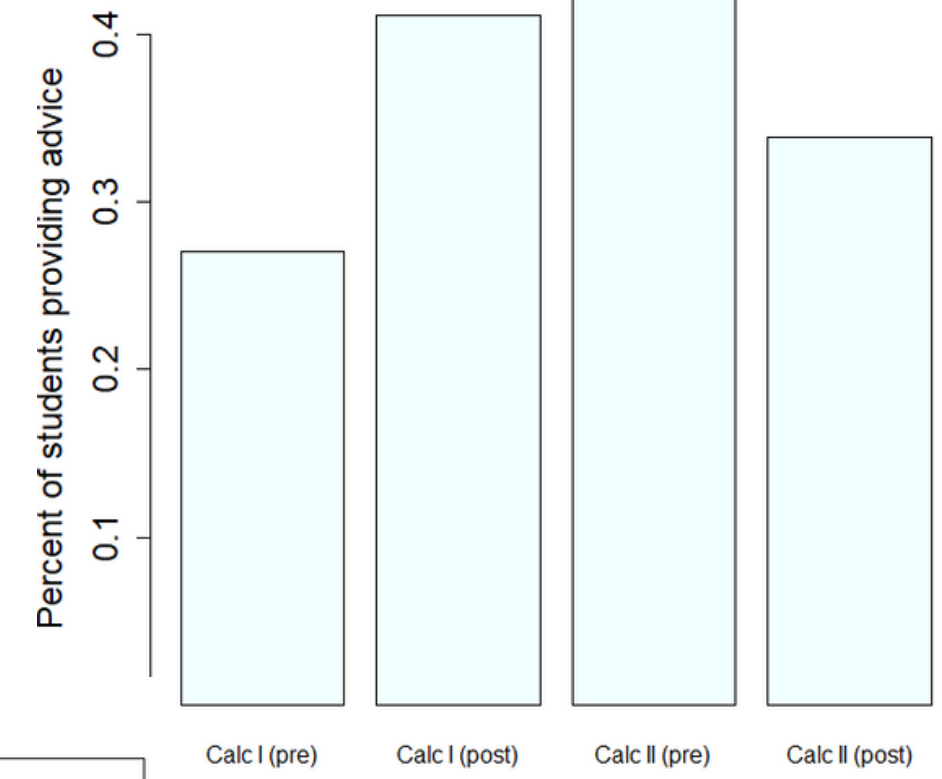
Participants:
Calculus I & II students
Fall 2022

Response Rate:
63%

n = 970 took survey
N = 1540 took class

Qualitative Coding
Inductive coding
Statistics
t-test for the difference
in grades

RESULTS



Do all the hw, practice, etc.

“ Do the homework because that is the ultimate practice tool. ”



		Score on Common Final		
Do all the hw, practice, etc.		Mean	t	p-value
Calc I	No	65.43	-2.64	0.009 *
	Yes	70.39		
Calc II	No	59.21	-1.23	0.22
	Yes	61.96		

“ Go to office hours and attend all discussions and lectures ”

“ Stay on top of your work and don't procrastinate. ”

“ Find a good study group ”

“ Don't be afraid to ask questions ”

