THE PREVALENCE AND IMPACT OF ACADEMIC MISCONDUCT ON SHORT-ANSWER TESTS

A STUDY IN PROGRESS

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INTRODUCTION & RATIONALE

Short answer tests are often used in 3rd & 4th year classes

- ✓ Test multiple levels of learning
- √ Produces original answers
- X Labour intensive to grade
 - -TAs often grade, faculty re-grading is permitted

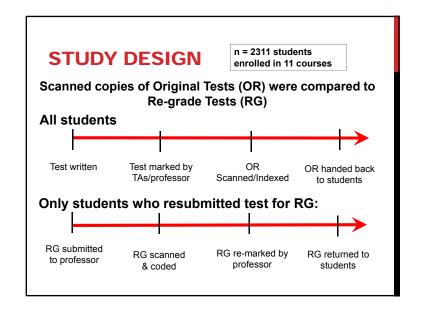
Anecdotal evidence suggests students are performing **academic misconduct** (AM) by **resubmitting altered tests** for re-grading!

STUDY OBJECTIVES

- 1. Determine the **prevalence** and **impact** of AM on short-answer tests with a re-grade policy.
- 2. Identify **how** AM is being performed and the **characteristics** of those performing AM.

It was <u>hypothesized</u> that the prevalence of AM would be higher in:

- Tests written in pencil
- Males
- Weaker students
- Heavily weighted tests
- Subsequent tests throughout the semester



ANALYSIS

- 1. To determine the prevalence and impact of AM we looked at:
 - Only questions asked to be re-graded by the student for assessment for alterations in text and addition of marks
 - ii. Repeat offences (AM in more than one test)
 - iii. Pre- and Post- re-grade marks
- 2. To determine the characteristics of those who perform AM we correlated those that committed AM with:
 - i. The use of pen or pencil
 - ii. How the student alters the original answer (alterations in text/addition of marks)
 - iii. Sex
 - iv. Overall grade

STUDY ETHICS

Research Ethics Board approved that **Informed Consent was not required**

- Instructors are permitted to monitor academic misconduct using the methods we employed
- No risk to the student, i.e. faculty not informed of AM cases, no names identified
- Level of academic misconduct would be underreported.

PRELIMINARY RESULTS: COURSE ONE

- The largest class, n= 460
- More than double the credit weight of all other courses (1.25 vs. 0.5)
- 3 exclusively short-answer term tests, weighted 10%, 20% and 30% of the final grade
 - Test 1 and 2 were optional
 - Test 3 was mandatory
- Pencil allowed
- Open RG policy made known early in semester, re-grading done by professor

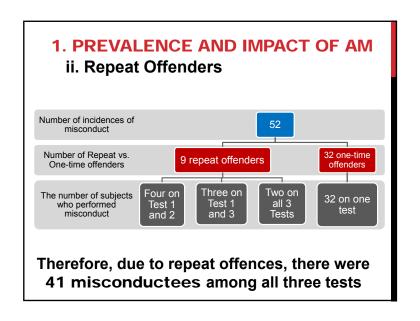


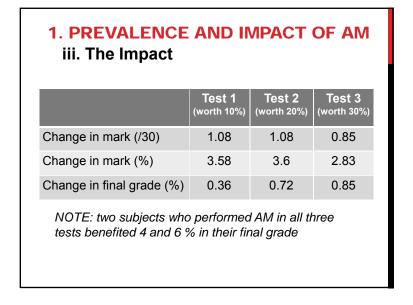
1. PREVALENCE AND IMPACT OF AM

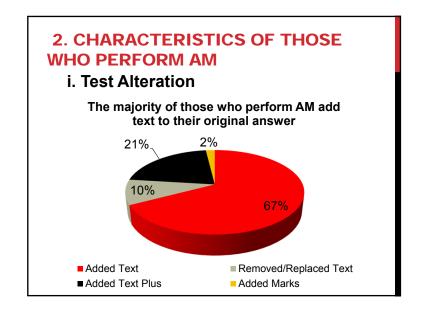
i. The Prevalence

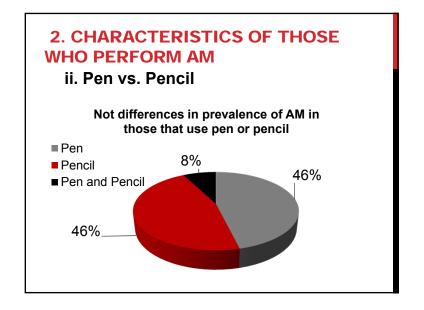
The prevalence of AM is low relative to the number of subjects who wrote the test

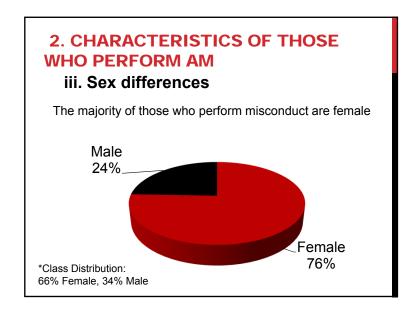
	Test 1	Test 2	Test 3
Number of ORs	403	347	451
Number of RGs (% of OR)	77 (19%)	96 (28%)	120 (27%)
Number of Misconductees	20	12	20
% of Misconductees of RGs	26%	13%	17%
% of Misconductees of OR	5%	3%	4%

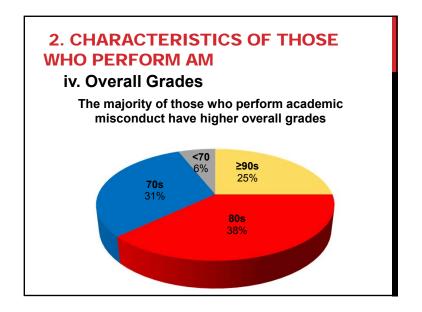












DISCUSSION

- 1. The Prevalence and Impact of AM
 - i. Prevalence: What is the right number?
 - # misconductees/ # total RG (13-26%)
 - # misconductees/ # total OR (≤ 5%)
 - 41/460 students (9%) enrolled in the class performed misconduct
 - ii. Impact: Could it be too much?
 - Average benefit is low (<1%)?</p>
 - But, the two students benefited 4-6%
- **2.** The Characteristics of those who perform AM Can we truly profile those who perform misconduct?