

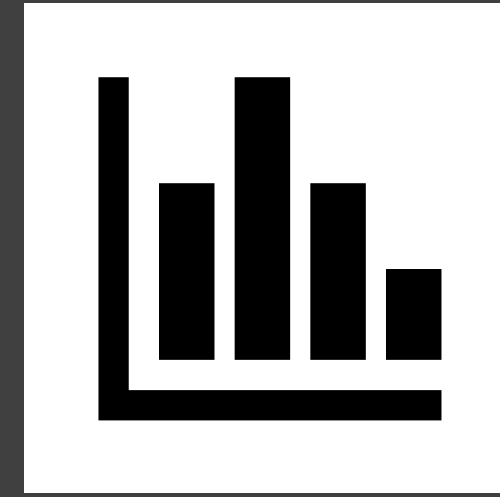
Assessment of Statistics Education

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LITERATURE REVIEW



Statistics, a necessary subject in higher education, often triggers anxiety and fear among students when confronted with its concepts and examinations. Statistical anxiety encompasses test/class anxiety, a reluctance to seek help, and many other components. However, research highlights a substantial correlation between attending classes regularly and achieving higher grades. The previously mentioned strategies have demonstrated a significant enhancement in performance (Mandap, 2016).

Hypotheses

1. Attendance positively impacts midterm exam grades.
2. Attendance positively impacts overall grades prior to the final exam.
3. Due to an increase in confidence, student performance increased from Quiz 1 to Quiz 2.

PARTICIPANTS

- SOCI 309 is an in-person course

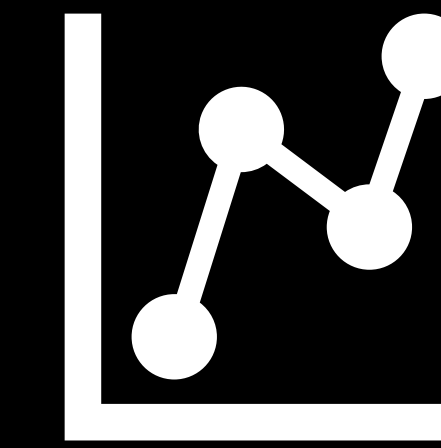


- 27 students are enrolled in the course

- Students' majors include SOCI, CRJU, and SOWK

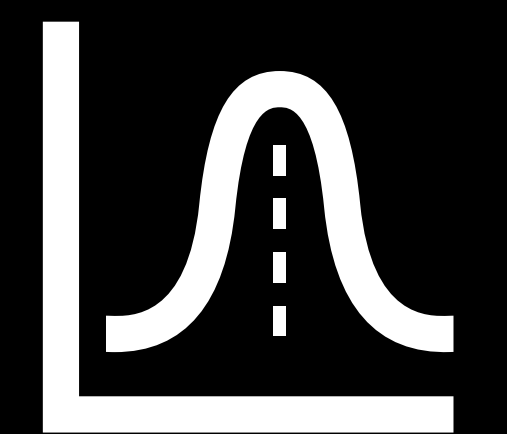
MEASURES

- ❖ Access to the electronic gradebook without access to any identifying student information.



RESULTS

1. Attendance positively impacts midterm exam grades.
 - Students who attended class more regularly had significantly higher midterm exam grades.
 - $r(27) = 0.52, p = .000$
2. Attendance positively impacts overall grades prior to the final exam.
 - Students who attended class more regularly had significantly higher midterm exam grades.
 - $r(27) = 0.79, p = .000$
3. Due to an increase in confidence, student performance increased from Quiz 1 to Quiz 2.
 - Students' grades improved significantly from the first quiz ($M = 70.93$) to the second quiz ($M = 83.52$)
 - $t(26) = -3.86, p = .001$



DISCUSSION

The results of this study suggest the following:

- ❖ Coming to class is important!

- ❖ The statistics indicate a positive relationship: as attendance increases, so do our grades.

- ❖ Completing homework is important!

- ❖ Offering unlimited attempts on homework can reduce anxiety and boost confidence, allowing students to work until they feel comfortable with the material.

- ❖ Overall reflection

- ❖ Regular class attendance and homework completion reduce the negative effects of statistical anxiety, ultimately boosting confidence in the subject.