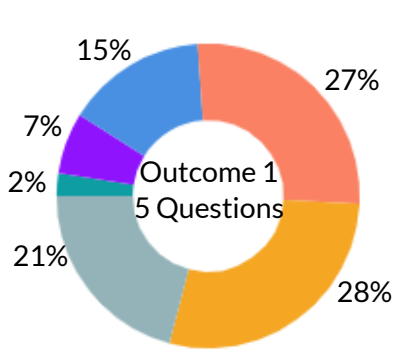


General Education Assessment 2016-2017

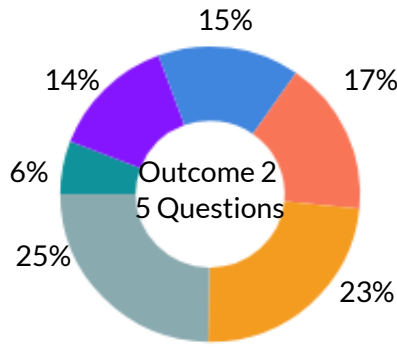
Mathematics (Quantitative Reasoning)

GE Math Learning Outcomes

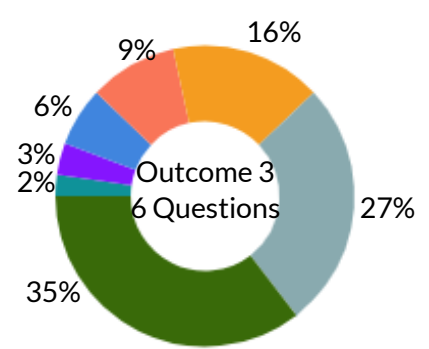
i Only the scores of the 16 questions mapped to three GE Math learning outcomes were used.



Correctly use / interpret Mathematical notation and terminology to solve problems.



Apply general concepts and principles of Mathematics to solve various kinds of problems.



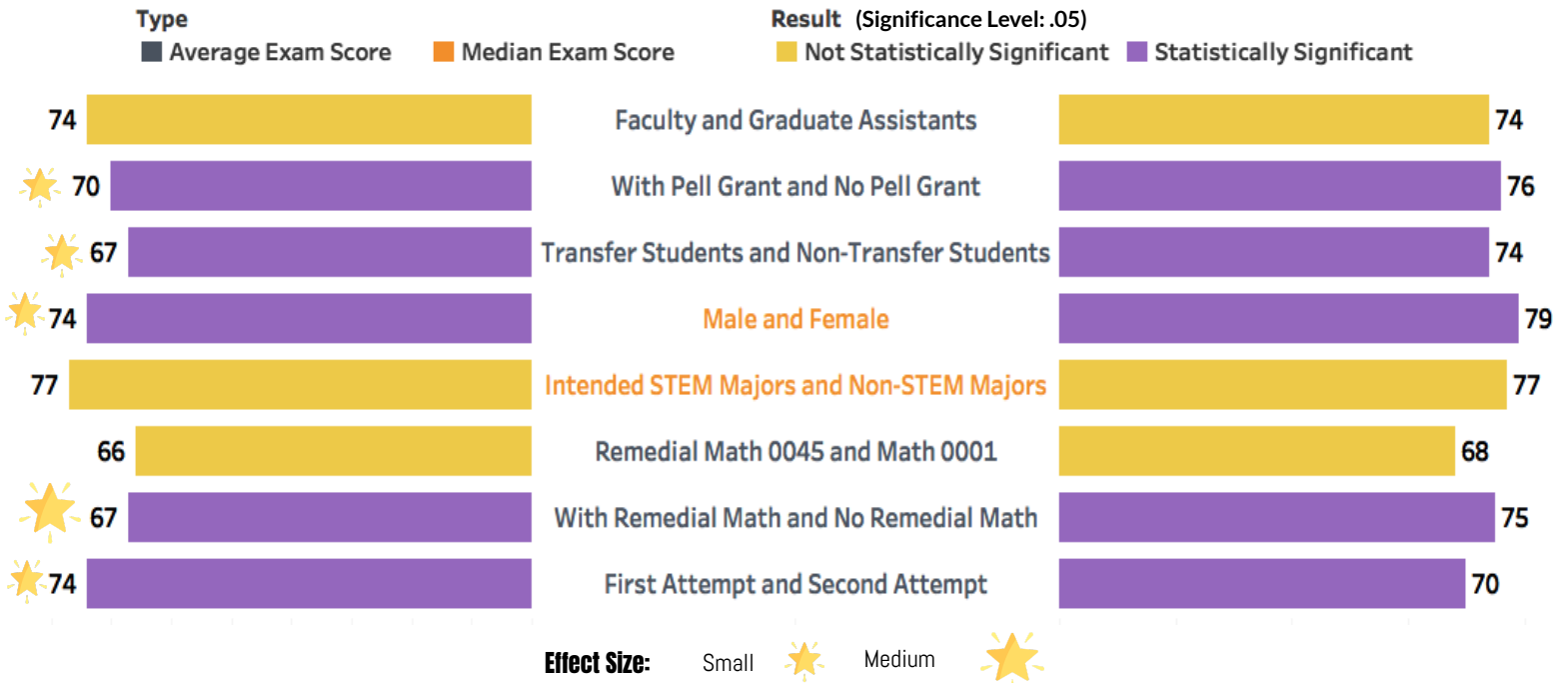
Model/solve problems related to applications that describe various phenomena in nature and society.

of Correct Responses: 0 (teal), 1 (purple), 2 (blue), 3 (red), 4 (orange), 5 (light blue), 6 (green)

Percentage of Correct Responses for Each GE Math Learning Outcome (N = 1,659)

Group Comparisons

i The total final exam scores were used to compare the performance of various groups of students. A statistically significant difference means the difference is not likely to have happened by chance.



Mathematics (Quantitative Reasoning) 2016-2017

Multiple Regression Results

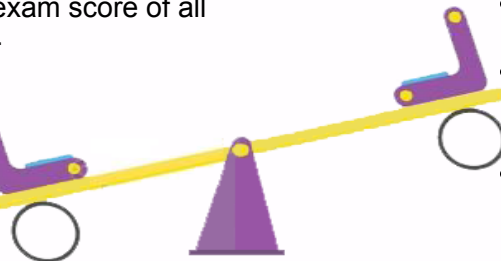
The total final exam scores were used.

Comparisons were made in reference to the weighted average exam score of all students in the sample.



Students scored lower if they

- were taught by instructor 4 or 7
- took remedial Math 0045
- were Pell Grant recipients
- came from rural areas
- were sophomores
- or had waited more than one year to take Math 1065 for the first time



Students scored higher if they

- were taught by instructor 5
- had not taken remedial Math
- were not Pell Grant recipients
- came from out of state or urban areas
- had waited one semester up to one year to take the course for the first time
- had higher unweighted HS GPAs



Over one-third of the students taking the final exam did not pass the final exam.

(70 out of 100 = Passing)



Rural students were defined as students who came from Tier 1 and Tier 2 counties in NC. The Tier designations data we used were from 2016: <https://www.nccommerce.com/research-publications/incentive-reports/2016-county-tier-designations>



In total, 1,659 students took the final exam in Math 1065 in the 2016-17 academic year.

Sample Profile

