The background features abstract, overlapping green geometric shapes in various shades, creating a modern and dynamic feel. The shapes are primarily triangles and polygons, some solid and some semi-transparent, arranged in a way that suggests movement and depth. The colors range from light lime green to deep forest green.

Outcomes and Assessment in the New GE Math Curriculum

Bori Mazzag, Chair Mathematics
Humboldt State University

Overview of the new curricular structure

- ▶ ALL STUDENTS can start in a GE-level Math course their first semester, regardless of their background. The course may be “regular” or “supported”
- ▶ Supported (or “i”) courses follow a cohorted co-requisite model: same instructor for GE & co-requisite portion; all students are in both
- ▶ Supported courses meet 5 days a week. They are 4 units, with 3 of which count toward graduation (3 bacc + 1 pre-bacc units); sections capped at 25.
- ▶ Supported courses are for Categories III and IV & they cover the same material as the regular courses but are slower paced and offer more instructor support and review.
- ▶ Instructors receive 5 WTU for supported courses (including 0.7 WTU for faculty development by participation in a faculty learning community)

Introductory GE courses (Fall '18)

STEM

Social Sciences

Arts & Humanities

MATH 101i

MATH 101

OR

MATH 102

MATH 101T

STAT 108i

STAT 108

MATH 103i

MATH 103

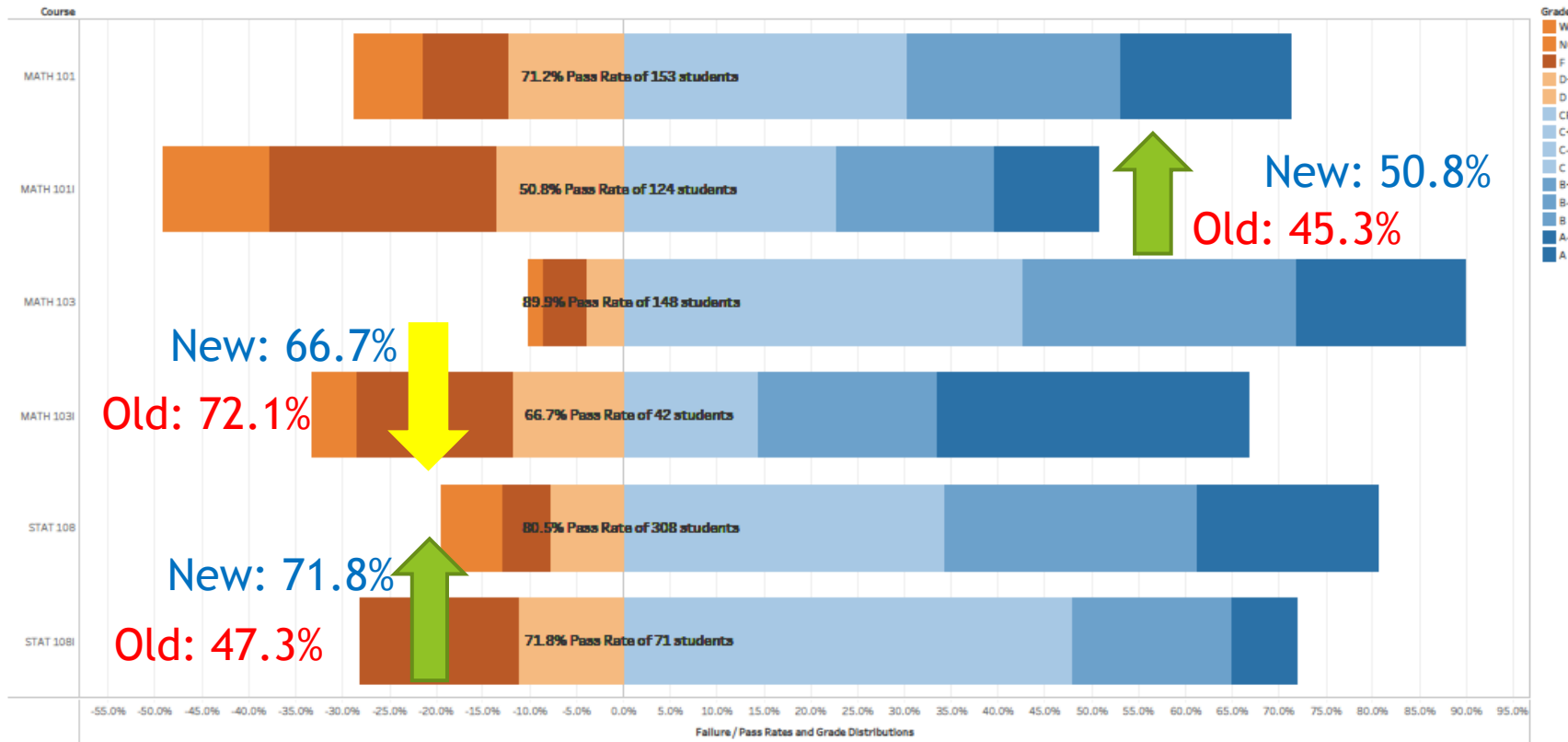
CALCULUS
(MATH 105 OR 109)

GE & major
requirement satisfied

GE requirement
satisfied

Course outcomes & disaggregated data

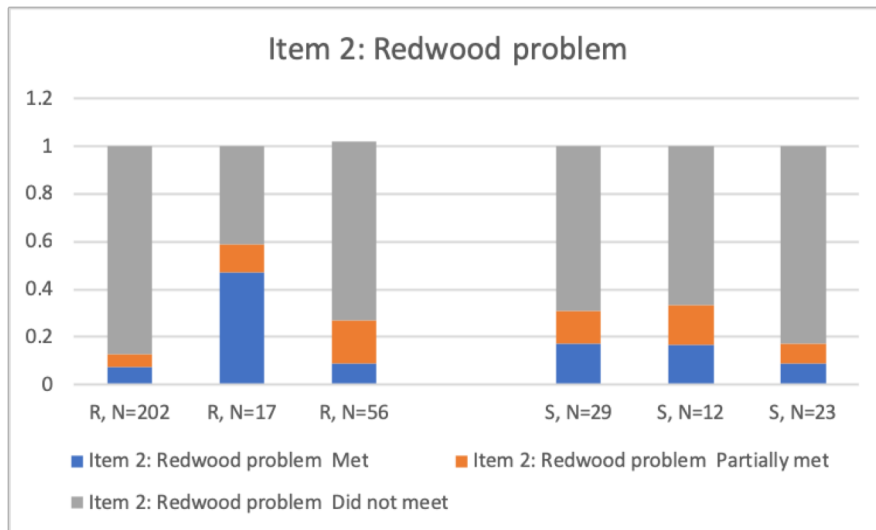
Supported/Non-Supported Math Fall 2018



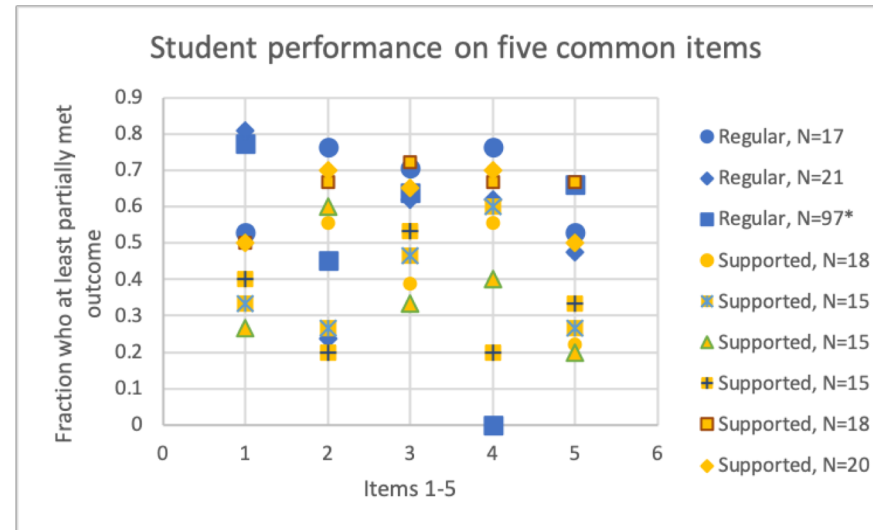
Gantt Percent and Percent Passing for each Course. For pane Gantt Percent: Color shows details about Grade. Size shows Percent of Total Sizing. For pane Percent Passing: Details are shown for Grade. The data is filtered on Instructor Primary, which keeps 582 of 582 members. The view is filtered on Course and Grade. The Course filter keeps 6 of 1,905 members. The Grade filter excludes Null, I and W.

Assessment: comparison of shared final exam questions

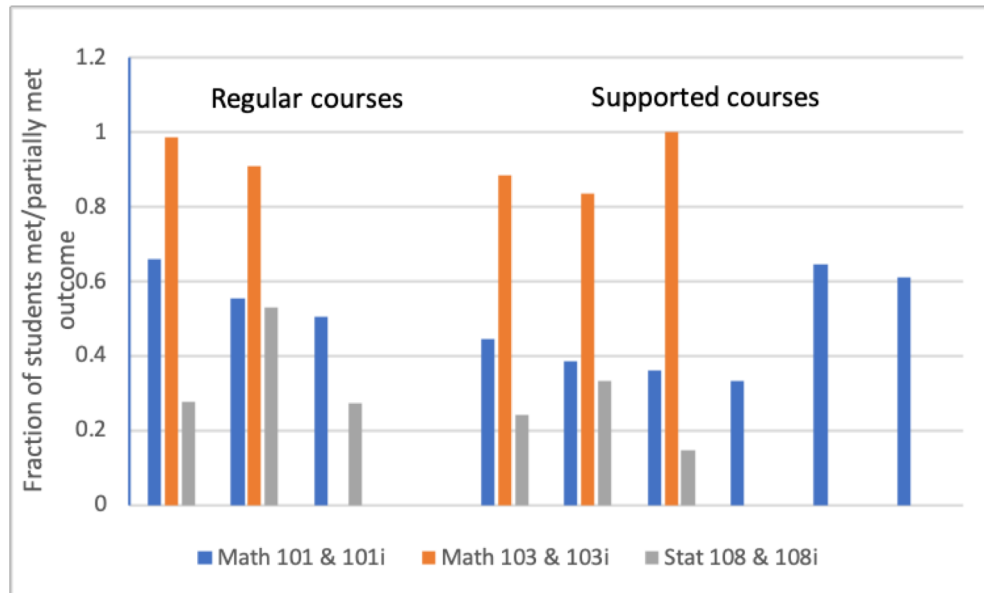
Example item from Stat 108 & 108i



Math 101 summary



Some take-aways and next steps



- ▶ Collect more input from students (course evaluations), advisors & instructors
- ▶ Continue faculty development & discuss results with instructors
- ▶ Update assessment protocols
- ▶ Need for robust and timely multiple measures placement categories
- ▶ Changes in policy to retake supported courses
- ▶ Updates in our model? (Examine Cat III student performance)

THANK YOU!

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Office of Inst. Effectiveness &

HSI STEM Grant