

Data Collection and Analysis for EO 1110 Transition

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Sacramento State began the transition away from math remediation with the Fall 2017 cohort, reducing remedial math course enrollment by two-thirds through administrative exemptions. Along with other CSU campuses, Sacramento State eliminated remedial math in Fall 2018.

Students in majors without a specific math requirement typically take MATH 1: Mathematical Reasoning to satisfy the GE B4 requirement. Figure 1 shows DFW rates by entering freshman cohort, broken out by students' Remedial/Quantitative Reasoning category. Numbers along the bottom of the plot are the number of students in each category. Note that administratively exempt and Category III students passed MATH 1 at about the same rate as students in previous cohorts who took one or two semesters of remedial math first. The DFW rate was higher for Category IV students, but even so, more than 80% passed without first taking remedial math.

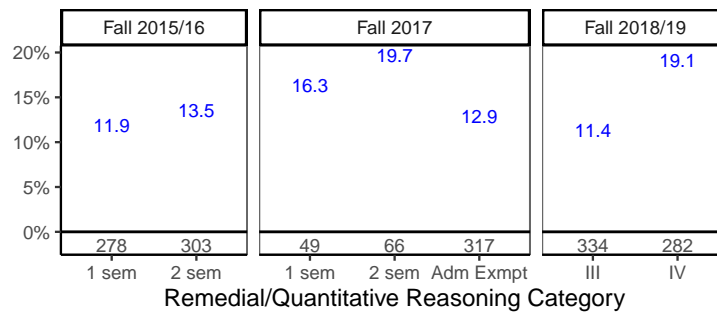


Figure 1: DFW Rate in GE Math (MATH 1), by Freshman Cohort

The math department developed two new courses, MATH 10 and 12, which are credit-bearing algebra courses. Students who are not ready for pre-calculus are placed into one of these courses. Figure 2 shows DFW rates for the Fall 2018/19 freshman cohorts, broken out by students' Quantitative Reasoning category. Note that Category III and IV students have relatively high failure rates. We plan to implement additional support programs to ensure less prepared students can succeed in these courses and in calculus.

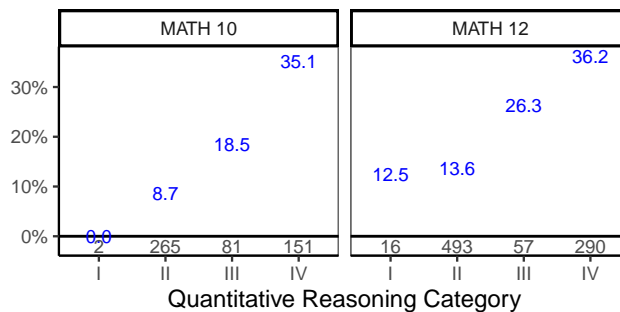


Figure 2: DFW Rate in College Algebra (MATH 10/12) for Fall 2018/19 Freshman Cohorts