

AB 705 Support: Embedded Tutors in Math 10

May 31, 2019

Instructional Support Services Retreat

Context

As of Fall 2018, all students can directly enroll in Math 10 (statistics) regardless of past math achievement

Embedded tutors placed in classrooms to help students succeed

Embedded Tutor Models

Peer tutors (students): attended all class meetings; held workshops outside of class

Supplemental instructors (non-credit faculty): attended class once per week; available for tutoring in STEM Center

Questions

Did embedded tutors improve student success in Math 10?

Did the type of embedded tutor

Did embedded tutors improve student success in Math 10?

Data source: Banner

Sections without embedded tutors from Fall 2017, Winter 2018, Spring 2018, Winter 2019

Sections with embedded tutors from Fall 2018, Winter 2019

Students matched on High School GPA and ethnicity (White or Asian vs. not White or Asian)

Peer Tutor Sections: Workshop Attendance and Student Success

Data sources:

Banner

Workshop sign-in sheets

Fall 2018

Caveat: workshop data only available for 4 sections

Final Course Grade: Peer Tutor Sections and Workshop Attendance

Attended

26% of students in these sections attended workshops. No difference in attendance rate based on high school GPA.

Average if attended: **4** workshops

Average if attended and passed: **4** workshops

Average if attended and did not pass: **3** workshops

Supplemental Instructor Sections: STEM Center Tutoring and Student Success

Data sources:

Banner

SARS (based on student sign-ins)

Fall 2018

Caveats:

Tutoring in the Foundations Lab not captured by student sign-ins

Do not know who tutored the student

Final Course Grade: SI Sections and STEM Center tutoring

5%

Final Course Grade: Peer Model vs. SI Model

Peer Model

SI Model

63%

PASS RATE

62%

No difference in distribution of grades

Achievement gaps similar under both models

Peer Model vs. SI Model: Student Experience

Data sources:

Student survey

129 responses received (20%
response rate)

Fall 2018

Peer Model vs. SI Model: Student Experience

Peer Model

72%

80%

45%

Enough in-class
support

Worked with tutor in
class at least once per
week

SI Model

75%

78%

23%

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