

Table 11. Variables included in predictive model

Variable Type	Variable Name
Background	Gender (dichotomous)
Characteristics (covariates)	Age* (continuous)
	Ethnicity* (categorical)
	GPA* (continuous)
Predictor	SI participation* (categorical)
Outcome	Student success (dichotomous)

The analysis confirmed that level of SI participation does predict student course success beyond the background characteristics. The analysis provides odds-ratios which can be interpreted as the odds of successful course completion depending on the level of SI participation. *Students who attended minimal number of SI sessions 2.020 times more likely to successfully complete the course and students who attended the recommended SI sessions were 3.236 times more likely to successfully complete the course compared to students who did not attend any SI sessions.*

STEM

The identical hierarchical logistic regression was repeated for STEM students only and confirmed the same pattern of results. SI-participation significantly predicted course success after controlling for the background variables. However, the impact of SI-participation was greater for the STEM subset of enrollments. *After controlling for background variables including GPA, STEM students who participated minimally in SI were 2.388 times more likely to successfully complete the enrolled course and students who participated in at least the recommended number of sessions were 3.309 times more likely to successfully complete the enrolled course compared to STEM students who did not participate in any SI sessions.*