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Action Research Data Collection Tools Analysis

Type of data collection	Description of process	Type of data collected	Useful Instruments	Advantages	Challenges	When to use
Quiz and test scores from current and previous sections of Precalculus	Using common assessments from the Precalculus course, compare the results of tests and quizzes from classes where homework was collected to classes where homework was not collected	Quantitative (quiz and test scores)	Common assessments	Will give a quiz view of how average scores in one section compare to average scores in another section	Different ability levels from section to section might skew results.	Any time a quiz or test is given, but might be more useful at the end of the term when all tests and quizzes have been assessed.

Type of data collection	Description of process	Type of data collected	Useful Instruments	Advantages	Challenges	When to use
Student surveys regarding collection and grading of homework.	Give surveys to gauge students' opinions regarding homework, the grading of homework, and how it should be assessed and collected.	Qualitative	Survey	Connects my action research to the students	Students responses might not be totally honest. Skewed data.	At the beginning and/or end of a course.

Type of data collection	Description of process	Type of data collected	Useful Instruments	Advantages	Challenges	When to use
Staff surveys regarding collection and grading of homework.	Similar to student surveys, give surveys to staff to see how often they assign daily homework, how often they collect it, and how it is graded.	Qualitative and Quantitative	Survey	Will provide insight into how others use homework as a learning tool and how it impacts students in their class.	Some staff members may not take the time to do the survey, might not give me much data if not enough people complete the survey.	Anytime.