We thank you for your time spent taking this survey.
Your response has been recorded.

RETROACTIVE COURSE ASSESSMENT FORM

Faculty Name

Derek H. Ogle

Course Title (please also include semester date)

MTH107 Statistical Concepts and Analysis (Fall 2020 .. two sections)

What is the number of students assessed for this ILO?

53 total (27 in first section, 26 in second section)

Is the Intended Learning Outcome you will assess for this course part of the general
education program (Liberal Education for the Environment and Society, Superior
Connections, Growing Connections)?

Yes

No

Please select the general education category and learning outcome you are assessing.

General Education Category	Foundational skills in written communication and quantitative reasoning ▼
Learning	communicate mathematical information symbolically, visually, numerically, and verba ▼

Outcome

Briefly describe the qualitative and/or quantitative measure that was used to determine proficiency for this particular learning outcome.
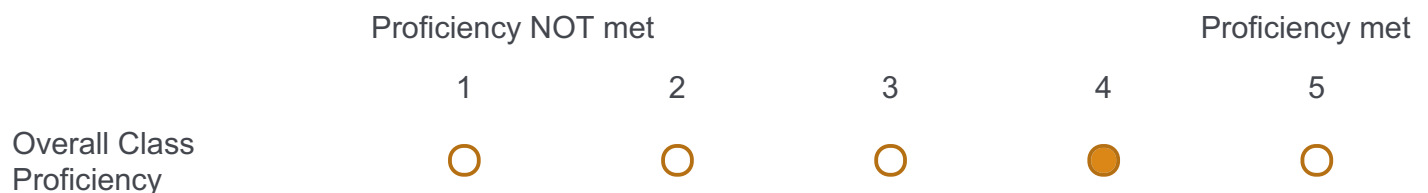
Some examples include, but are not limited to: overall class average, % of students who earn a particular score, % of students who participate in activity, % of students who improve performance by a certain amount, average score on an exam question or research paper, average score on a rubric, student survey.

In MTH107, students are expected to be able to perform "exploratory data analyses" (EDA) for both univariate (UEDA) and bivariate (BEDA) situations with quantitative (Q) and categorical (C) data. I have specific questions for each of these items on my final exam. For each question I expect 75% of the students (first quartile, Q1) to get at least 60% of the points and 50% of the students (median) to get at least 80% of the points.

Briefly summarize your assessment results.

Students in both sections met my criterion for the UEDAQ question (section1: Q1=73%, median=95%; section2: Q1=86%, median=90%), UEDAC question (section1: Q1=94%, median=100%; section2: Q1=75%, median=100%), and BEDAQ question (section1: Q1=75%, median=90%; section2: Q1=80%, median=95%). For the BEDAC question, students in both sections met the median criterion (section 1: 100%, section 2: 100%), but not the Q1 criterion (section 1: 50%, section 2: 50%).

Based on your assessment results, to what degree do you feel your students met proficiency for this learning outcome?

	Proficiency NOT met				Proficiency met
	1	2	3	4	5
Overall Class Proficiency	O	O	O	●	O

What are your plans for action in response to the assessment results?

It is clear that not all students fully understand how to do the Bivariate EDA-Categorical question. A review of the answers for students that did poorly on this question showed a general misunderstanding of what the question was asking. The "grammar" of these questions is often confusing. I need to do a better job of teaching how to parse the question. I should also change my assignments as I think the examples that are used are confusing (start with a simpler example and then move towards more complexity).

Thank you for taking the time to enter your assessment data. By clicking the arrow below, you will be submitting your data for this term. You will see a summary of what you entered immediately following submission - you will be able to download the info in a PDF if you would like the information for your own

assessment records.