

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

Below is a summary of your  
responses

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## RETROACTIVE COURSE ASSESSMENT FORM

Faculty Name

Ogle, Derek H.

Course Title (please also include semester date)

MTH107 Statistical Concepts and Analysis (Fall 2018 .. two sections)

What is the number of students assessed for this ILO?

48 total (26 in section 1, 22 in section 2)

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  
Outcome

communicate mathematical information symbolically, visually, numerically, and verbally

Briefly describe the qualitative and/or quantitative measure that was used to determine proficiency for this particular learning outcome.

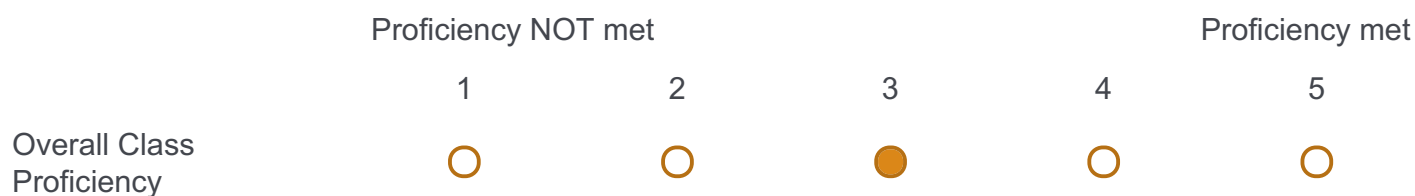
*Some examples include, but are not limited to: overall class average, % of students who earn a particular score, % of students who participate in activity, % of students who improve performance by a certain amount, average score on an exam question or research paper, average score on a rubric, student survey.*

In MTH107, students are expected to be able to perform "exploratory data analyses" (EDA) for both univariate and bivariate situations with quantitative and categorical data. I have specific questions for a univariate EDA - quantitative (UEDAQ), univariate EDA - categorical (UEDAC), and bivariate EDA - quantitative (BEDAQ) 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=80%, median=90%; section2: Q1=80%, median=90%). Students in both sections met the median but not the Q1 criterion for the UEDAC question (section1: Q1=50%, median=100%; section2: Q1=56%, median=100%). Students in both sections met both criteria for the BEDAQ question (section1: Q1=70%, median=80%; section2: Q1=70%, median=85%).

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



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

I will create new exercises and explanations for the bivariate EDA-categorical module in the course.

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.

