

Statistics Learning Outcomes Assessment Report

Academic Year: 2013-2014

Course: STAT 408

Semester: Spring

Instructor: Jim Robison-Cox

Assessment Results:

In Spring 2014 we assessed Outcome 3 on students in STAT 408 using a signature assignment. Of six statistics undergraduate students, three were assessed as acceptable and three were excellent. The goal of having at least 50% acceptable or excellent was met. Note: Two other students could have been included, but one had been ill for an extended time period and the other did not turn in the assignment. Counting the missing assignment as marginal or unacceptable would bring us down to 86% acceptable or excellent.

Comments based on assessments: None

Outcome 3: Students will display competency in statistical computing using R or SAS.

Indicator: Signature assignments from Stat 408.

Rubric:

Excellent – In addition to the acceptable requirements, the student builds macros or functions to perform tasks which must be repeated.

Acceptable - In addition to the marginal requirements, the student is able to convert data types or change between long and wide data formats.

Marginal – The student correctly reads data into a stat package and provides plots to show relationships between two categorical and/or quantitative variables. Student is able to access help pages to find appropriate arguments and syntax.

Unacceptable – The student is unable to read in data, or cannot access help pages, or cannot create appropriate plots.