ANOVA Class Statistics

Number of submitted grades: 12 / 12

Minimum:		0 %
Maximum:		100 %
Average:		69.44 %

Mode: 100 %

Median: 96.67 %
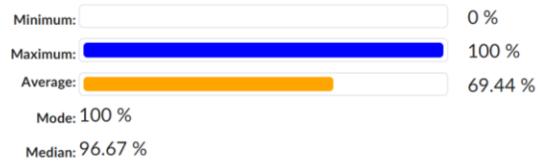
Standard Deviation: 41.47 %

Grade Distribution

Number of Users (%)

Grade Received (%)
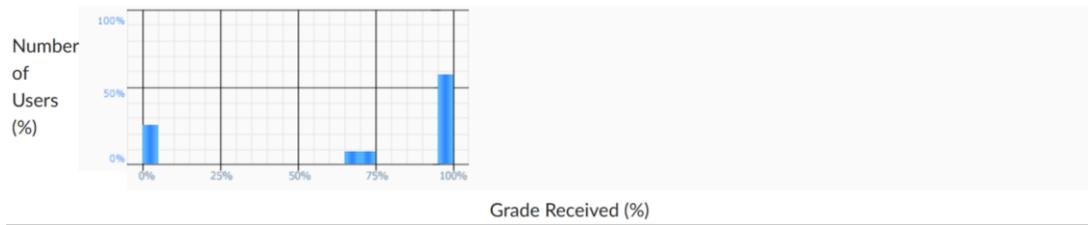
Liberal Arts Annual Assessment

Discipline: Mathematics		Instructor: Jessica Short	
ILO Assessed 2	Academic Year S2025	# of Students Assessed 12	Class Average Score 69.44% Based on D2L Rubric
Course Prefix and Number: Math 2203		Course Title: Statistics	# of Sections 1

Assignment Description

The students are given a problem describing a situation where they are determing whether the weight of paper affects how far a paper airplane will fly. They must perform a one-way ANOVA test to determine that there is a difference in the average distances of the different paper weights. Then they used the Planned Comparison test to determine if the medium weighted paper flies the farthest.

Patterns Observed Based on ILO Rubric (e.g., is one of the four Scoring Criteria weak or strong, is the rubric well aligned for the assignment, etc.)

The rubric is well aligned for the assignment since it clearly delineates the point structure for the problem. It allows the instructor to clearly see where any algorithm issues may lie.

Was a method of scoring the assignment used in addition to the ILO Rubric?

No

If so, describe specific method of scoring:

_____

If so, identify contrasts or patterns observed between the course specific method and ILO method of scoring:

_____

Other Related Patterns Observed for Assignment

This rubric is used for each of the 3 parts of the assignment, so a pattern will emerge if they are getting the same part wrong each time.

Identify whether this is the first, second, or third year for this specific ILO assessment.

This is my first time teaching this course, so this is the first time this assignment

Describe the primary method of instruction used for course content being assessed (e.g., group activity, case study, lecture, lab activity, etc.)

Lecture

Were adjustments to instruction and/or the assessment made since the prior assessment or offering? Briefly describe if so.

No

Are there significant differences in how students met the learning outcome(s) from the prior assessment or offering? Describe.

_____

What changes will be made to improve student learning based on the current assessment outcomes?

The scores on this assessment were very high. There are 2 zeros due to the tutors being in the gradebook, 1 due to a student that is auditing the course, and 1 due to a student not completing the assignment. The other scores were all pretty high, so I wouldn't anticipate changing the actual assignment.