

https://juacademictechnology.com

How to Use the Gradebook Analytic Feature

Question analysis provides statistics on overall performance, assessment quality, and individual questions. This data helps you recognize questions that might be poor discriminators of student performance. Question analysis is for assessments **with** questions. You can run a report before all submissions are in if you want to check the quality of your questions and make changes.

Uses for question analysis:

- Improve questions for future assessments or to adjust credit on current attempts
- Discuss assessment results with your class
- Provide a basis for remedial work
- Improve classroom instruction

×	24592.7043 NUR-529-T-12:30-3:30											
٨Ħ	Content	Calendar	Announcements	Discussions	Gradebook	Messages	Analytics	Groups				
~ _ A₽	Course	Faculty				Course Co	ntent					۲

The Analytics feature is located between Messages and Groups at the top of the window.

×	24952 7000 NUR-529-T-12:30-3:30	Ourse Settings								
(H	Content Calendar Announcements Discussions Gradebook Messages Analytics Groups	Student Preview								
α	Course Activity Question Analysis SCORM Reports									
m	The report shows when statuly in your course. Overall grade and hours in course updates every 24 hours. Set up your courses have all grade in the gradebook to access enhanced analytics. Learn more									
		🖽 Download								
30 XX		+ -								
4 100 N										
୩ ଦଂ ମ										
	ν ων ν το το το το το το το το το 22 α. 23 23 α. 26 α. 27 α. 26 α. 27 α. 27 α. 28 α. 29 α. 29 α. 20 α. 20 α. 2 Κούκξη κιζουρική									

Once **Analytics** is selected you have three choices. By choosing **Course Activity**, you can actively see how much time students have interacted in the course by placing your mouse pointer on the various points on the timeline. Here you will then see the students' information and time spent on the course.



×	2407.704) NUR-529-T-12:30-3:30	Course Settings
宜	Content Calendar Announcements Discussions Gradebook Messages Analytics Groups	Student Preview
A	Course Activity Question Analysis SCORM Reports	
(Question Analysis Question analysis provides statistics on overal performance, essessment quality, and individual questions. This data helps you recognize questions that might be poor discriminators of student performance. Reports expire after 14 days.	
1	Assessment Due Date Status	
쓨	Exam 1- Requires Respondus LockDown Bronzer	Run Report
×	Exam 2. Resultes Respondus LockDown Revenue:	Run Report

The second option is **Question Analysis**. Here you can run the report by selecting the assessment on the left and then choosing **Run Report** on the right.

Exam 2- Requires Respondus LockDown Browser	Report in progress	Run Report

It is recommended to refresh the screen after a few minutes if you do not see the *Report in progress* status change to completed.

Test Summary (Analysis last run on 2/21/24, 2:27 PM)			Rerun Report	Edit Assessment
Average score 86.06 / 100	Possible questions 48	Completed attempts 17	Average time spent 01:15:59	1
Discrimination Indicates how well questions differentiate between students who know the s	ubject matter and those who don't	Difficulty Indicates the percentage of students who answered the questions correct	ty	
Good (>0.3)	17	Eaty (>80%)		36
Fair (0.1 to 0.3)	16			
Poor (-1.0 to 0.1)	7	Medium (30% to 80%)		12
Card calculate		Hard (<30%)		0
Test Questions		Þ		ų 🖌

Once the report populates, you will be able the review the test results and begin to gauge the outcome of the test results in the **Test Summary** located at the top of the report.

Test Q	lest Questions								Ŀ		
Questio	in	Review 0	Question Modified @	Needs Grading Ø	Question Type Ø		Discrimination •	Difficulty 0	Graded Attempts 0	Not Answered 9	Average Score Ø
Which or following is true re treatment t	f the 8 statements eparding the nt of caroal	Needs review	No	No	Multiple Choice	/	0.05	88.24%	17	0	2.65
Sam is a who has diagnose back stru- his	s <u>been</u> ed with low ain based on	Needs review	No	No	Multiple Choice		0.17	83.24%	17	0	1.33

Below **Test Summary**, you will find the **Test Question**. Here you can dig into each of the categories for each question. The terms are explained on the next page for clarity.



ACADEMIC

TECHNOLOGY

- *Discrimination*: Indicates how well questions differentiate between students who know the subject matter and those who don't.
 - Shows the number of questions that fall into these categories:
 - Good (greater than 0.3)
 - Fair (between 0.1 and 0.3)
 - Poor (less than 0.1) categories
 - *Can't calculate*: A question's difficulty is 100% or all students received the same score on a question.
 - Questions with discrimination values in the *Good* and *Fair* categories differentiate between students with higher and lower levels of knowledge.
 - Questions in the *Poor* category are recommended for review.
- *Difficulty*: Percentage of students who answered the questions correctly
 - Shows the number of questions that fall into these categories:
 - Easy (greater than 80%)
 - Medium (between 30% and 80%)
 - Hard (less than 30%)
 - Questions in the *Easy* or *Hard* categories are recommended for review.
- Average Score: Average point score of the question based on the entire class performance.



Each question is hyper-linked to a more in-depth analysis of the classes overall statistical outcome of the assessment question.

×	NR#32541230330 Exam 2- Requires Respondus LockDown Browser								
c			Question 2 \rightarrow						
1	Question 1 Summary Janoyas last nun on 2021/24, 2227 PM								
l	Discrimination 0.06 Poor	Difficulty 88.24% Ewy	Averag 2.65	e score / 3					
ľ	Question 1 Needs review Which of the following statements is true regarding the treatment of carpal turnel syndro	me?	3 points						
	Set up the options. Choose one or multiple correct answers.			Number of student responses					
	(a) The goal of treatment is to prevent newon and extension movements of the wrist			· •					
	B Splints are useful in carpal tunnel syndrome because they allow for free movement	t of the fingers and thumb while maintaining the wrist in a neutral position		1					
1	Corticosteroid injections are discouraged in the treatment of carpal tunnel syndro		1 -						
¢	All of the above		Correct answer	15					
-	6								





About the question section in the assessment summary

The questions table provides analysis statistics for each question in the assessment. After you use the graphs to filter the questions table, you can view and sort the results.

In general, good questions fall in these categories:

- Medium (30% to 80%) difficulty
- *Good* or *Fair* (greater than 0.1) discrimination values

In general, questions recommended for review fall in these categories. They may be of low quality or scored incorrectly.

- *Easy* (> 80%) or *Hard* (< 30%) difficulty
- *Poor* (< 0.1) discrimination values