

Item Analysis for a Test

1. Navigate to blackboard.towson.edu.
2. Log in with your Towson University **Net ID** and **Password**.
3. Enter the course with the **Test** you'd like to grade.
4. Click on the **Grade Center** on the left hand side.
5. Select **Full Grade Center**.
6. Locate the column for the **Test** you'd like an **Item Analysis** for.
7. Click the **down arrow** to the right of the **Test's column title**.
8. A menu will appear. Select **Item Analysis** from the menu.
9. Select the **Test** for the **Item Analysis**.
10. Click **Run**.
11. An analysis will be generated. It can be viewed by clicking the **Test's title** below **Available Analysis**.
12. Use this analysis to see a Test Summary, Discrimination, Difficulty and Average Score.

Midterm Edit Test

Analysis Last Run June 19, 2018 2:47 PM. Run Item Analysis again to display the latest question data

Test Summary						Discrimination			Difficulty		
50.0	6	0	3	30.0	00 hr 00 min	3 Good Questions	2 Easy Questions	0 Fair Questions	4 Medium Questions	1 Poor Questions	0 Hard Questions
Possible Points	Possible Questions	In Progress Attempts	Completed Attempts	Average Score	Average Time	2 Cannot Calculate					

Filter Questions

Select Question Type: All Question Types | Select Discrimination: All Discrimination | Select Difficulty: All Difficulty | Go Reset Filter

QUESTION	QUESTION TYPE	DISCRIMINATION	DIFFICULTY	GRADED ATTEMPTS	AVERAGE SCORE	STD DEV	STD ERROR
• b	Short Answer (QS)	Cannot Calculate	100.0%	1	10.0	0.0	0.0
• Pick the median of the scale.	Opinion Scale/Likert	Cannot Calculate	100.0%	3	10.0	0.0	0.0
• Which words are synonyms of the word sunny?	Multiple Answer	-0.87	33.34%	3	3.34	5.78	3.34
What is the definition of a circle?	Multiple Choice	0.87	33.34%	3	3.34	5.78	3.34
True or false: the infimum is the greatest upper bound.	True/False	0.87	66.67%	3	6.67	5.78	3.34
d	Calculated Formula (QS)	1.0	50.0%	2	5.0	7.08	5.0

Displaying 1 to 6 of 6 items | Show All Edit Paging...

- a. The test summary provides an overview of the test that is being analyzed.
 - i. The Possible Points column reports the maximum number of points that can be earned by completing the test.

- ii. The Possible Questions column reports the number of questions that can be given from the test. If a testing pool was used to generate this test, the number of possible questions can exceed the number of questions given in the test.
 - iii. In Progress Attempts indicates the number of tests that were being completed while the item analysis was being run.
 - iv. Completed Attempts indicates the number of completed tests that were submitted and used as data points for the item analysis.
 - v. The Average Score column reports the average score a student earned on the test.
 - vi. The Average Time column reports the average time a student spent completing the test.
- b. The discrimination indicates how well a question differentiates between students who know the subject matter and those who don't.
 - c. The difficulty indicates what percentage of students answered the question correctly.

13. You can click on each question to view an analysis of that particular question.

Midterm
Analysis Last Run June 19, 2018 2:47 PM. Edit Test

0.87	33.34%	3	3.34	5.78	3.34	0
Discrimination Good <small>(i)</small>	Difficulty Medium <small>(i)</small>	Graded Attempts <small>(i)</small>	Average Score <small>(i)</small>	Std Dev <small>(i)</small>	Std Error <small>(i)</small>	Skipped <small>(i)</small>

Multiple Choice: null

Question:
What is the definition of a circle?

Answers	Total <small>(i)</small>	Top 25% <small>(i)</small>	2nd 25% <small>(i)</small>	3rd 25% <small>(i)</small>	Bottom 25% <small>(i)</small>
<i>A curved line forming a closed loop, where the sum of the distances from two points (foci) to every point on the line is constant.</i>	2(66.67%)	0	0	1	1
<input checked="" type="checkbox"/> <i>A line forming a closed loop, every point on which is a fixed distance from a center point.</i>	1(33.34%)	1	0	0	0
<i>The intersection of a plane and a cone when the plane is parallel to one side of the cone.</i>	0(0.0%)	0	0	0	0

Legend
● Review recommended
 ▲ Questions might have changed after deployment
 * Not all submissions have been graded
 (QS) Question Set
 (RB) Random Block

- a. The discrimination, difficulty, number of graded attempts, average score, standard deviation, standard error, and number of attempts in which the question was skipped is shown at the top of the page.
- b. The total number of correct and incorrect responses will be displayed. For multiple choice, multiple answer, or true/false questions, the breakdown of responses for a specific answer will be compared to how the students performed compared to the class.