

Animal behaviour Edit Test

Analysis Last Run 24 December 2013 9:09 AM. Run Item Analysis again to display the latest question data

Test Summary						Discrimination				Difficulty									
50.0	5	0	9	29.63	00 hr 00 min	5	Good Questions	0	Fair Questions	0	Poor Questions	0	Cannot Calculate	1	Easy Questions	3	Medium Questions	1	Hard Questions
Possible Points	Possible Questions	In Progress Attempts	Completed Attempts	Average Score	Average Time														

Filter Questions

Select Question Type: Select Discrimination: Select Difficulty:

Question	Question Type	Discrimination	Difficulty	Graded Attempts	Average Score	Std Dev	Std Error
Animals are always reluctant to interact with humans.	True/False	0.41	77.78%	9	7.78	4.41	1.47
• What is the collective noun for otters?	Fill in the Blank	0.62	22.23%	9	2.23	4.41	1.47
Which of the following have feet beautifully adapted for swimming?	Multiple Answer	0.68	44.45%	9	4.45	5.28	1.76
Match each animal with its native home.	Matching	0.68	62.97%	9	6.3	3.8	1.27
• Click on the baby possum of this trio.	Hot Spot	0.83	88.89%	9	8.89	3.34	1.12

Discrimination

Discrimination indicates how well a question differentiates between students who know the subject matter those who do not. A question is a good discriminator when students who answer the question correctly also do well on the test.

Discrimination scores range between -1 and +1. Any question that gets a discrimination score above +0.3 is considered *Good*. *Good* and *Fair* questions may be used to help determine student knowledge levels.

Discrimination cannot be calculated for questions where everyone receives the same score (everyone gets a question right or wrong).

Difficulty

Difficulty shows the percentage of students who answered the question correctly. If >80% of students get a question right it is listed as easy; if <30% of students get a question right it is listed as hard.

Review questions

Questions that rate poor in discrimination, or easy or hard in difficulty are automatically marked for review (pink dot to the left of the question title).

Click on a question title to review and display details of that question.

Note: Not all question types are able to display details. For example, the *Hot Spot* question type cannot display a breakdown of the student selections.

Question Details: Multiple Answer

The Question Details page displays item analysis statistics for student performance on individual test questions.
[More Help](#)

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Analysis Last Run 26 May 2013 1:49 PM.

0.96	20.0%	5	2.0	4.48	2.0	0
Discrimination Good <small>(i)</small>	Difficulty Hard <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 Answer:

Question:

- Which of the following have feet beautifully adapted for swimming?

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>
<input checked="" type="checkbox"/> Seal	2(40.0%)	1	0	0	1
<input checked="" type="checkbox"/> Pelican	5(100.0%)	1	0	0	4
<input type="checkbox"/> Hippopotamus	2(40.0%)	0	0	0	2
<input type="checkbox"/> Lion	0(0.0%)	0	0	0	0

For this multiple answer question example you can see the two correct answers shown on the left. The total number of times an answer was selected is shown along with what level of students selected each answer. In the example above, one student who is in the top 25% of scorers for the test selected the *Pelican* answer, but four students in the bottom 25% also picked *Pelican*. This indicates that the *Pelican* answer was the more obvious easy answer. Conversely, the *Seal* answer was selected by one student in the top 25%, but only by one student in the bottom 25%, indicating that the *Seal* answer had a higher level of difficulty or less obvious than that of the *Pelican* answer.

Edit Test

If you realise at this stage that an incorrect answer was set for the question, or that a modification needs to be made to the question, you have the **Edit Test** option at the top of the screen.

Edit Test

If you edit the test you will be notified at the top of the screen if there have been attempts on this test. If an attempt is in progress you will receive notice of this also.

This Test has 5 attempts. For information on editing questions, click **More Help** below.

If you choose to edit a question, the *Submit* button changes to **Submit and Update Attempts**. This means that students who have already attempted the test will have their test remarked for the edited question and mark updated as necessary.

For more information see: http://lms.unimelb.edu.au/user_guides/tests_surveys_workshop.pdf

Please report any errors or omissions in this guide to
lms-guides@lists.unimelb.edu.au

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