

# uiuLearn Quiz Statistics

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## Introduction

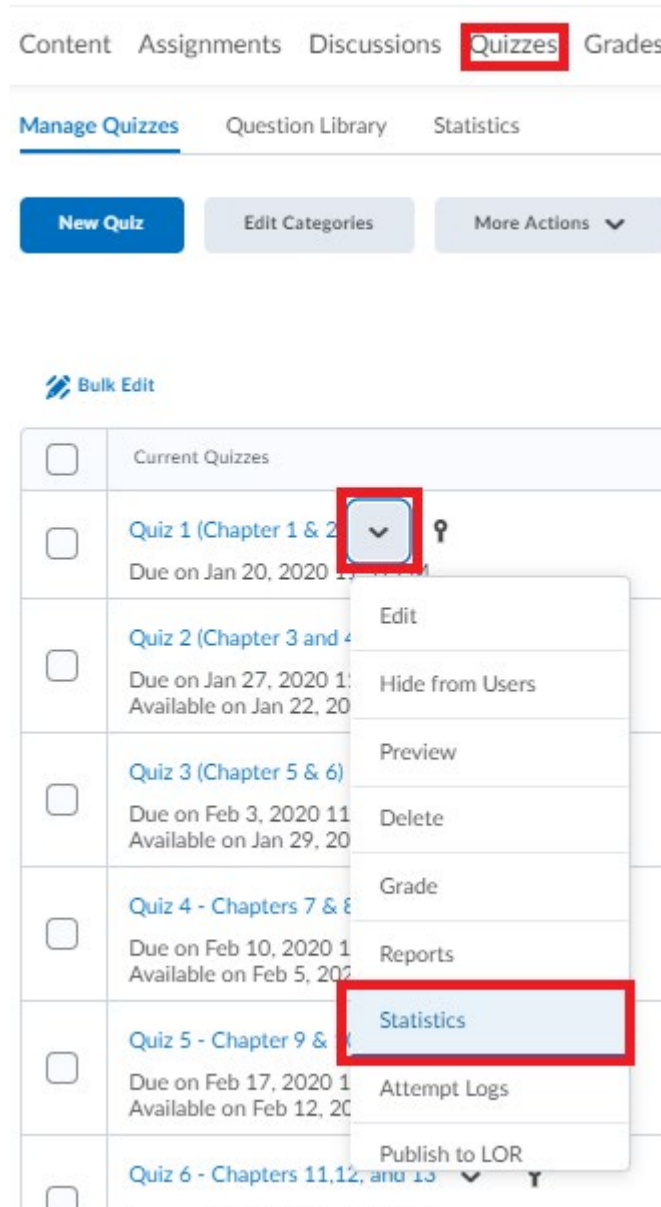
uiuLearn contains great features for refining online course content, including Quiz Statistics. The data captured in quizzes created in uiuLearn will help you not only see how well students are learning the subject you are teaching, but they can also help you identify potentially bad questions or topics that may require further study or change in course materials. This provides an overview of available statistics, as well as a step-by-step tutorial.

## Audience

The intended audience for this tutorial is Instructors, course overseers or curriculum specialists who want to or currently use the Quizzes feature in uiuLearn and want to make data-based decisions on curricula, course materials, content organization or activities, or identify potential problem question and make edits.

## How to View Quiz Statistics

Click the Quizzes menu item to go to the quiz list. In the Quiz list, click the down arrow to the right of the Quiz for which you want data and select Statistics from the dropdown menu.



The screenshot displays the 'Quizzes' section of a learning management system. At the top, navigation tabs include 'Content', 'Assignments', 'Discussions', 'Quizzes', and 'Grades'. Below these are sub-tabs for 'Manage Quizzes', 'Question Library', and 'Statistics'. A toolbar contains buttons for 'New Quiz', 'Edit Categories', and 'More Actions'. A 'Bulk Edit' section is visible above a table of quizzes. The table lists several quizzes, and a dropdown menu is open for 'Quiz 1 (Chapter 1 & 2)', with the 'Statistics' option highlighted.

Bulk Edit	
<input type="checkbox"/>	Current Quizzes
<input type="checkbox"/>	Quiz 1 (Chapter 1 & 2) Due on Jan 20, 2020
<input type="checkbox"/>	Quiz 2 (Chapter 3 and 4) Due on Jan 27, 2020 11:59 AM Available on Jan 22, 2020
<input type="checkbox"/>	Quiz 3 (Chapter 5 & 6) Due on Feb 3, 2020 11:59 AM Available on Jan 29, 2020
<input type="checkbox"/>	Quiz 4 - Chapters 7 & 8 Due on Feb 10, 2020 11:59 AM Available on Feb 5, 2020
<input type="checkbox"/>	Quiz 5 - Chapter 9 & 10 Due on Feb 17, 2020 11:59 AM Available on Feb 12, 2020
<input type="checkbox"/>	Quiz 6 - Chapters 11, 12, and 13

- Edit
- Hide from Users
- Preview
- Delete
- Grade
- Reports
- Statistics**
- Attempt Logs
- Publish to LOR

**NOTE:** You can export reports as .csv or Excel files on any of the tabs.

### User Stats Tab

By default, you land on the User stats tab that provides Score Distribution, Class Average, Standard Deviation, as well as individual student scores.

Content Assignments Discussions Quizzes Grades Quick Eval Classlist More Tools ▾ Student Resources ▾ Help ▾

Manage Quizzes > View Statistics

## View Statistics - Quiz 1 (Chapter 1 & 2) ▾

Include exempted users in stats

**User Stats** Question Stats Question Details

### User Statistics

[Export to CSV](#) [Export to Excel](#)

**Score Distribution:**

Percentage of Users

Average Grade

**Class Average:** **83.14 % (Std Dev = 15.31 %)**

The Class Average is calculated on first attempts flagged as graded.

Search For...  [Show Search Options](#)

Last Name ▲, First Name	Average Grade
Apostolou, Caralina	56 %
Armbrecht, David	84 %
ats/stats_question.d2l?qi=57513&ie=True&ou=79260	96 %

## Question Stats Tab

Click the Question Stats tab to get stats on each quiz question. You can view the questions and answers by clicking on individual items in the list.

Manage Quizzes > View Statistics

## View Statistics - Quiz 1 (Chapter 1 & 2) ▾

Include exempted users in stats

User Stats **Question Stats** Question Details

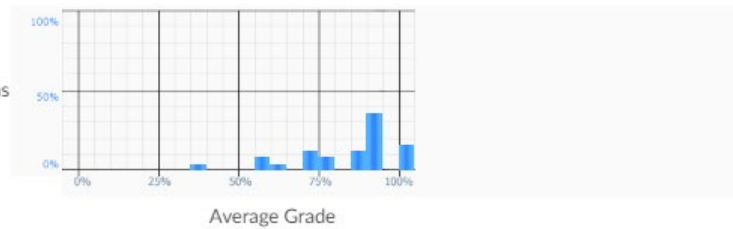
### Question Statistics

Export to CSV

Export to Excel

#### Score Distribution:

Percentage of Questions



Class Average:



83.14 % (Std Dev = 15.31 %)

The Class Average is calculated on first attempts flagged as graded.

[What do the statistics on this page mean?](#)

Question	Average Grade	Standard Deviation	Discrimination Index	Point Biserial
Quiz 1				
Question 1	57.14 %	51.36 %	75.00 %	0.71
Question 2	100 %	0.00 %	0.00 %	n/a
Question 3	71.43 %	46.88 %	75.00 %	0.75
Question 4	92.86 %	26.73 %	25.00 %	0.42
Question 5	35.71 %	49.72 %	25.00 %	0.35

Click questions to reveal the question and answer.



## Question Details Tab

The Question Details tab shows each question with answers indicated by a blue arrow to the left of the correct answer. Statistical definition are provided by clicking the blue "What do the statistics on this page mean?" link above the table to the right. This page shows the most granular data on each quiz question.

Manage Quizzes > View Statistics

### View Statistics - Quiz 1 (Chapter 1 & 2) ▾


Include exempted users in stats

User Stats   Question Stats   **Question Details**

Question Details Export to CSV Export to Excel

Has Start Date  
3/27/2020   Now

Has End Date  
4/3/2020   Now   Apply

(Number of First Attempts: 14)  [What do the statistics on this page mean?](#)

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**Quiz\_1**

**Question 1**   Difficulty: 1

If the correlation between variables A and B is positive, then which of the following is true?

<input type="checkbox"/> The mean value of A is greater than the mean value of B.	<div style="width: 7.14%;"></div>	1 (7.14 %)	Average Grade: 0.57 / 1 (57.14 %) Standard Deviation: 51.36 % Point Biserial: 0.71 Discrimination Index: 75.00 %
<input type="checkbox"/> The mean value of B is greater than the mean value of A.	<div style="width: 0%;"></div>	0 (0 %)	
<input checked="" type="checkbox"/> Measurements of one variable help us predict the other one, approximately.	<div style="width: 57.14%;"></div>	8 (57.14 %)	
<input type="checkbox"/> Over time, the mean values of both A and B have been increasing.	<div style="width: 35.71%;"></div>	5 (35.71 %)	

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**Question 2**   Difficulty: 1

If researchers get similar results whenever they follow a procedure, what are the results?

<input type="checkbox"/> Statistically significant	<div style="width: 0%;"></div>	0 (0 %)	Average Grade: 1 / 1 (100 %) Standard Deviation: 0.00 % Point Biserial: n/a Discrimination Index: 0.00 %
<input type="checkbox"/> Parsimonious	<div style="width: 0%;"></div>	0 (0 %)	
<input checked="" type="checkbox"/> Replicable	<div style="width: 100%;"></div>	14 (100 %)	
<input type="checkbox"/> Experimental	<div style="width: 0%;"></div>	0 (0 %)	

## Related Resources

The below tutorials are found on the D2L Brightspace YouTube channel.

[Competency and Quizzes Tools for Instructors](#)

[Create a Quiz Report](#)

[Creating Competencies](#)

[Competencies Tool Overview](#)

[Competencies Tool for Instructors](#)