Every instructor wants to improve understanding, optimize the learning environment, and provide support to their students. Yet, when working with students in an online environment, cues that are common in a face-to-face setting are lacking. This makes it difficult to determine at-a-glance the experience they may be having in the course.

Learning management systems (LMSs), such as Canvas, capture data that may be useful to instructors who want to know more about their students’ experiences in the online course site. Information options typically include page views, student participation details, and grade information. Using multiple data points can help instructors monitor students’ engagement and experiences in a course when physical world indicators are absent.

**CANVAS NEW ANALYTICS**

On March 21, 2020, a new feature was added to Canvas: *New Analytics*. This feature is accessible from the left-hand Course Navigation area of a Canvas course site, and data are refreshed every **24 hours**.

If *New Analytics* does not appear in the Navigation area, instructors can turn on this feature by going to Settings → Feature Options → New Course and Other Analytics.
NEW ANALYTICS DATA

The Canvas New Analytics feature provides data about students’ weekly online activity, course grades, and quiz statistics.

**Weekly Online Activity**

**Overview Data**

NOTE: The default setting is “All Sections.”

**Student Data**

These data include the students’ email address information. Sorting is an option for any header.
Resources Data
Page Views are captured from the web and mobile app versions of Canvas. No differentiation is made between the two.

Time spent on each Canvas Resource is not displayed in New Analytics. Last Activity and Total Activity data are available through Canvas People (left-hand navigation item).

Weekly Online Activity: By Week
Weekly Online Activity: Data Download Options

Course Grade

Overview Data

The *Message Students Who* feature in the Course Grade analytics section enables instructors to easily contact students about a course assignment. Messages can be sent to students who earned a particular assignment score range, missed an assignment, or submitted an assignment late.

**IMPORTANT:** Student names appear in the BCC line of messages sent via the *Message Students Who* feature. While the students do not see the names of other classmates that received this message, the functionality of this feature does not support instructors who want to tailor this message to individual students.
**Course Grade: Dashboard**

Instructors are able to view Course Grade data by section, student, and assignment. The image below shows the view for one student in this course.

**Course Grade: Data Views**

Instructors are able to view Course Grade data by section, student, and assignment. The image below shows the view for one student in this course.
Quiz statistics are available in most LMSs. These data can help instructors identify and monitor gaps in students’ learning. Quiz statistics are also useful when determining question reliability and validity.

In Canvas, quiz statistics are available for each published assessment item added to the Quizzes section of the site.

**Quiz Statistics: Summary Data**

<table>
<thead>
<tr>
<th>Average Score</th>
<th>High Score</th>
<th>Low Score</th>
<th>Standard Deviation</th>
<th>Average Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>70%</td>
<td>100%</td>
<td>33%</td>
<td>2.18</td>
<td>13:29</td>
</tr>
</tbody>
</table>

**Quiz Statistics: Question Breakdown**

- Item 1: Correctness: 90%, Item 1: Incorrectness: 10%
- Item 2: Correctness: 70%, Item 2: Incorrectness: 30%
- Item 3: Correctness: 80%, Item 3: Incorrectness: 20%
- Item 4: Correctness: 60%, Item 4: Incorrectness: 40%
Quiz Statistics: Manually Graded Questions

Quiz Statistics: Item Summary
Statistics available through the Item Analysis option help instructors determine the validity and reliability of each quiz question.

Quiz Statistics: Student Analysis
The Student Analysis option provides a .csv file of the quiz results by section or individual student for instructors to review.

ADDITIONAL RESOURCES

- What is New Analytics?
- Once I publish a quiz, what kinds of quiz statistics are available?
- Canvas Quiz Item Analysis
- How do I view reports for an assessment in New Quizzes? (outcomes analysis)

QUESTIONS?

If you have questions about any of the Canvas New Analytics features, please contact SC&I IDTS:

- sci-idts@comminfo.rutgers.edu

*Thanks to Christina Bifulco, Rutgers CTAAR, and her presentation Utilizing Canvas Analytics to Support Student Success*