Hi, and welcome to My Savvas Training. I’m Becky, and in this module, I’ll show you how to analyze assessment items and generate an Item Analysis Report.
Suppose your last class just took a benchmark assessment. When you review their test results on Savvas Realize™, you notice that all of your students missed the exact same question. So, how do you help them? You can dig a little deeper using the Item Analysis feature on Savvas Realize.
To view the assessment data from the Savvas Realize home page, click the DATA tab in the menu bar at the top of the page. Then, select your class to view students’ data.
Scores Data

The first graph on the Class results by assignment page contains Scores data. Each bar on the graph represents a different assessment assignment.

All of the assignments here provide item analysis. The assignments display in chronological order, along a bar or line graph-with each data point resting on or above the assignment’s due date.

To change the date range for the data you want to see, click the arrow to the right of the When box at the top, and select an option. Just remember, the date range has to include the assignment’s due date in order to be included.

Want a helpful tip? You can also export this data to analyze in a spreadsheet or other program. I’ll show you this a little later on.
Standard Analysis

You can see trends across classes and drill down into the data to view individual student performance by clicking a bar over a particular date in the graph.

On the Standard Analysis tab, you can view your class average and individual student performance for the selected assignment.

Click a standard abbreviation to see a description of the standard. For assignments that are tied to mastery, you can view mastery by standards information-but watch out—not all assignments are aligned to standards. Don’t forget to click View Resources to review available resources that support the standard. These resources can be assigned to your students to provide additional remediation and practice.
Question Analysis

Want to find out which topics your students don’t understand or where they need additional instruction?

Click the Question Analysis tab to see a color-coded synopsis of all questions. This allows you to easily spot which questions your students struggled with the most. A table with detailed information shows the maximum number of points per question, and the number of students that answered the question correctly, incorrectly, and partially correct.

You can view this information by All Standards or a particular standard. For test and question scores, the data displayed is for the number of points out of the maximum number of points possible.

Click the blue arrow next to the question number to see the item details for the question.
View Question

The Question Detail view allows you to see the actual item so you can conference with students and provide guidance on missed items.

Move between student responses by using the drop-down list below the question number or by using the Previous Student and Next Student buttons.

You can also export the data from here, but more on that in a little bit.

Click the arrow again to close the Question Detail view.
Student Analysis

Now, let me show you how to look at the data in a different way.

Select the **Student Analysis** tab to display a table that shows the student’s score as percentage and raw score. It also includes the number of points earned per question, and the total correct, incorrect, and partial responses per question.

Move between questions by clicking the point value under the question number or the Previous Question or Next Question button.

Click the arrows or a student’s name to expand and collapse the question details. You can also export the data from this tab as well.

Now you can plan the best way to review the skills and concepts to ensure your students fully grasp the content that this assessment covers.
Let's recap.
Standard Analysis

The Standard Analysis tab contains your class average and individual student performance for the selected assignment. Click on each hotspot to learn more.

The Standard Analysis tab contains your class average and individual student performance for the selected assignment.
Standards Information

Here you will find standard information. Click the View Resources hotspot.
Here you’ll find a list of available resources to assign to your students.
Question Analysis

The Question Analysis tab provides a color-coded synopsis of all questions. A table with more detailed information is also available per question. Click a hotspot to explore.
Question Analysis - Question Standards

Use the standards drop-down menu to select a particular standard or All Standards

<table>
<thead>
<tr>
<th>Standard Analysis</th>
<th>Question Analysis</th>
<th>Student Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard</th>
<th>Max Points</th>
<th># of Students Correct</th>
<th># of Students Incorrect</th>
<th># of Students Partial Correct</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.OA.A.1</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>3.OA.A.2</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>3.OA.A.3</td>
<td>1</td>
<td>5</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Question 3</td>
<td>MP5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Average score: 80%
Question Analysis- Question Preview

Use the question preview to conference with students and provide differentiated support.

Question 1

Incorrect

Steven drew a picture. Choose the equations that represent Steven's picture. Choose all that apply.
Question Analysis – Student View

Use the student drop-down menu to quickly select a particular student.

Question 1: Choose the equations that represent Steven's picture.

- Anderson, Annie
- Brown, Brianna
- Clark, Clara
- Davis, Delia
- Evans, Emily
- Flores, Felicia
The Student Analysis tab provides a table that shows the student’s score as percentage and raw score. Click each hotspot to learn more.
## Student Analysis – Sort by Name

![Image of student analysis](image)

Sort by the student name column to locate students.

<table>
<thead>
<tr>
<th>Name</th>
<th>Score</th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5</th>
<th>Q6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garcia, Gracie</td>
<td>86% (12/14)</td>
<td>0/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
</tr>
<tr>
<td>Flores, Felicia</td>
<td>100% (14/14)</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
</tr>
<tr>
<td>Evans, Emily</td>
<td>29% (4/14)</td>
<td>0/1</td>
<td>0/1</td>
<td>0/1</td>
<td>1/1</td>
<td>0/1</td>
<td>1/2</td>
</tr>
<tr>
<td>Davis, Delia</td>
<td>43% (6/14)</td>
<td>0/1</td>
<td>1/1</td>
<td>0/1</td>
<td>1/1</td>
<td>0/1</td>
<td>0/2</td>
</tr>
<tr>
<td>Clark, Clara</td>
<td>100% (14/14)</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
</tr>
<tr>
<td>Brown, Brianna</td>
<td>100% (14/14)</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
</tr>
</tbody>
</table>

Total Incorrect: 3

Return
Student Analysis – Sort by Score

Sort by Score, to order scores from highest or lowest performance.
### Student Analysis – Sort by Responses

**Math Gr 3**

<table>
<thead>
<tr>
<th>Name</th>
<th>Score</th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5</th>
<th>Q6</th>
<th>Total Incorrect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anderson, Annie</td>
<td>86%</td>
<td>0/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
<td></td>
</tr>
<tr>
<td>Brown, Brianna</td>
<td>100%</td>
<td>0/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
<td></td>
</tr>
<tr>
<td>Clark, Clara</td>
<td>29%</td>
<td>0/1</td>
<td>0/1</td>
<td>0/1</td>
<td>1/2</td>
<td>0/1</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td>Davis, Delia</td>
<td>43%</td>
<td>1/1</td>
<td>1/1</td>
<td>0/1</td>
<td>1/2</td>
<td>0/1</td>
<td>0/1</td>
<td></td>
</tr>
<tr>
<td>Evans, Emily</td>
<td>100%</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
<td></td>
</tr>
<tr>
<td>Flores, Felicia</td>
<td>100%</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>2/2</td>
<td>1/1</td>
<td>2/2</td>
<td></td>
</tr>
</tbody>
</table>

Sort questions by correct or incorrect responses.

Return

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5</th>
<th>Q6</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>
Okay, next you’re ready to export your student data!

You can export the data as a .csv file, which stands for Comma Separated Value, to use in your gradebook or other applications. You can use a spreadsheet program to open the file and view the progress, scores, and assessments that counted toward mastery for your students.

Now, let's try one example of exporting in this area. To export data for student results on tests and assignments, select the Export data link.

Select Export to export the file. A score report will download as a .csv file, which you can use with Excel or another spreadsheet program.
Try It! Export Data

Now you try it! Export the Class Results by Assignment report.
First, navigate to the Class Results by Assignment page.
Try It! Export Data

Then, click the Export data button.
Try It! Export Data

Next, select **Export** in the dialog box to export the file and save it to the desktop.
And finally, open the downloaded file.
Great job! Now you can use the data in your gradebook, a spreadsheet program, or another data analysis tool.
Learn More

To learn more about this and other Savvas Realize topics, visit MySavvasTraining.com.