

quick guide Item Analysis Reports

Creating an Item Analysis report

The Edusoft Item Analysis report uses standard measurements for reliability, difficulty, and discrimination to help you analyze both assessments as a whole and specific items.

To determine the validity of an assessment, Edusoft calculates item difficulty, discrimination, P-Biserial, and KR-20 values. To determine the areas where students are struggling, Edusoft lets you drill down to the list of students who gave each answer for an assessment item. You can evaluate this list against the performance of any demographic group you select.

To create an Item Analysis report:

- 1 Click the **Benchmark Exams** tab. Click the link or icon for **Item Analysis**.
 - 2 Click the link or icon for the **Item Analysis Report**.
 - 3 Choose a folder and an assessment, and click **Continue**.
 - 4 Choose one or more schools (depending on your access). To choose more than one school, click **Multiple** and click **Select Schools**. Click the check boxes for the schools you want to include and click **Continue**.
- Tip:** To generate this report quickly, simply click **Continue** to view the results for all students who took the exam. You can refine the group of students later if you want.
- 5 Select all or specific periods to include. To select specific periods, click **Specific** and click **Select Periods**. Click check boxes for the periods you want to include and click **Continue**.
 - 6 If needed, use the links in the Select Students Based On area to select grades, ethnicities, Ed programs, custom groups, genders, courses, or rosters.
 - 7 When you have finished selecting options, click **Continue**.

About Item Analysis reports

The Item Analysis report consists of the options dashboard at the top, and an item analysis section for each type of question (multiple choice, short answer, long answer, and weighted rubric). It also displays values for quality measurements that Edusoft calculates.

Currently Selected Options

Exam:	Benchmark #1 Geometry (September)	Roster:	2004-2005 Spring
School Group:	All	Schools:	Oak Hill High School
Grades:	All	Teachers:	All
Ethnicities:	All	Ed Programs:	All
Custom Groups:	All	Genders:	All
Courses:	Geometry		
Periods:	All		

The Kuder-Richardson 20 reliability value for this exam with these student selections is .74

[What do these terms mean?](#) Select how to group items. **Analyzing 75 students**

Group by: Section

Administrators can view item analysis for multiple teachers' classes.

You can use the Options Dashboard to view results for other students.

Click to view definitions of terms used in this report.

You can sort a section using its **sort by** link.

The correct answers for multiple choice questions are bolded and marked with an asterisk (*).

This is the number of students in the current sample.

Use these links to drill down to a list of students who chose specific answers.

The answer choices for short answer questions are correct and incorrect.

These answer choices are the possible point values.

These answer choices are the possible rubric scores.

Item	% Correct	Discrimination	A	B	C	D
sort by	sort by	sort by	sort by	sort by	sort by	sort by
Section 1 -> 1	72%	0.43	3	3	1	18*
Section 1 -> 2	76%	-0.14	3	1	19*	2
Section 1 -> 3	68%	0.29	17*	1	6	1

Item	% Correct	Discrimination	Correct	Incorrect
sort by	sort by	sort by	sort by	sort by
Section 2 -> 11	79%	0.50	54	21
Section 2 -> 12	84%	0.50	57	18
Section 2 -> 13	92%	0.17	50	25

Item	% Correct	0	1	2	3	4	5	6	7	8	9	10
sort by	sort by	sort by	sort by	sort by	sort by	sort by	sort by	sort by	sort by	sort by	sort by	sort by
Section 3 -> 16	82%	0	0	0	0	0	2	7	13	41	12	0

Item	% Correct	NR	1	2	3
sort by	sort by	sort by	sort by	sort by	sort by
Section 4 -> 17	80%	7	10	14	61