

Qualitative Sentiment Analysis Report

The Qualitative Sentiment Analysis Report feature in Eval25 provides additional scores for tone and sentiments to your evaluation's open-ended questions. Eval25 then allows you to compare scores against different Instructors, Departments, Schools, and even the entire College or University, as well as filter and find responses based on these scores, terms, questions, and more.

In This Article:

- [How to Configure the Qualitative Sentiment Analysis Report](#)
- [How to Compare Sentiment Analysis Reports](#)
- [How to Read the Sentiment Analysis Results](#)
- [Exporting Excel Files](#)

How to Configure the Qualitative Sentiment Analysis Report

Before you can use the Qualitative Sentiment Analysis Report, you must configure what questions the report runs on.



Note

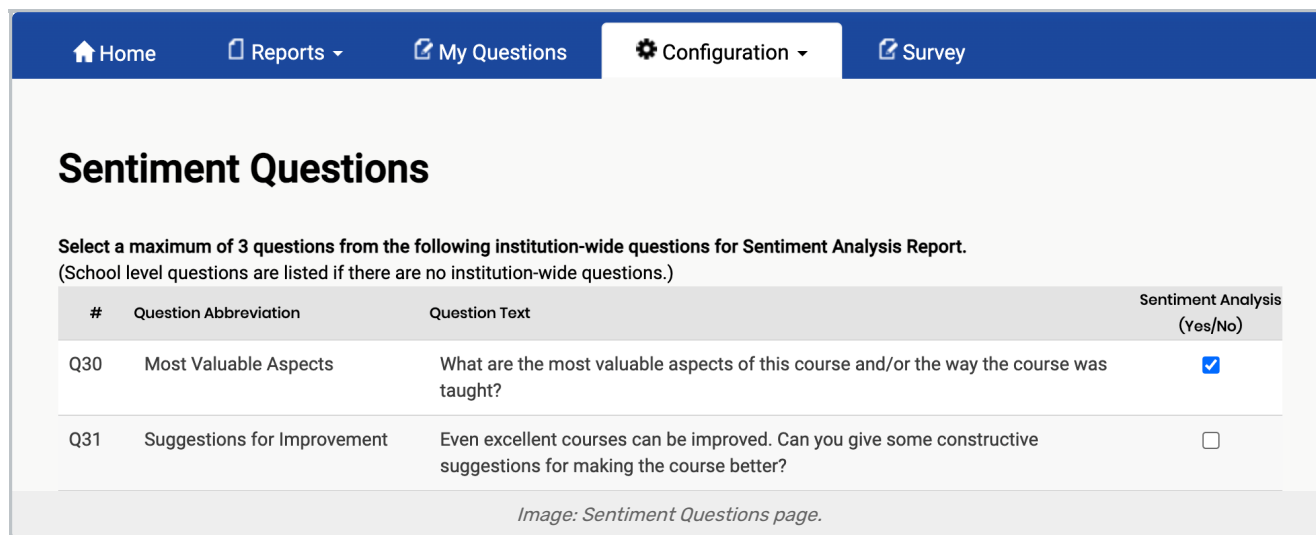
You may choose up to three questions for the Qualitative Sentiment Analysis Report at this time.

1. Open the Sentiment Questions

- On the **Eval25 Dashboard**, select the **Configuration** dropdown from the top menu bar.
- Select the **Sentiment Questions** option.

2. Pick Questions to run the Sentiment Analysis Report for

- Click the checkbox for the open-ended Questions you would like the Sentiment Analysis Report on.



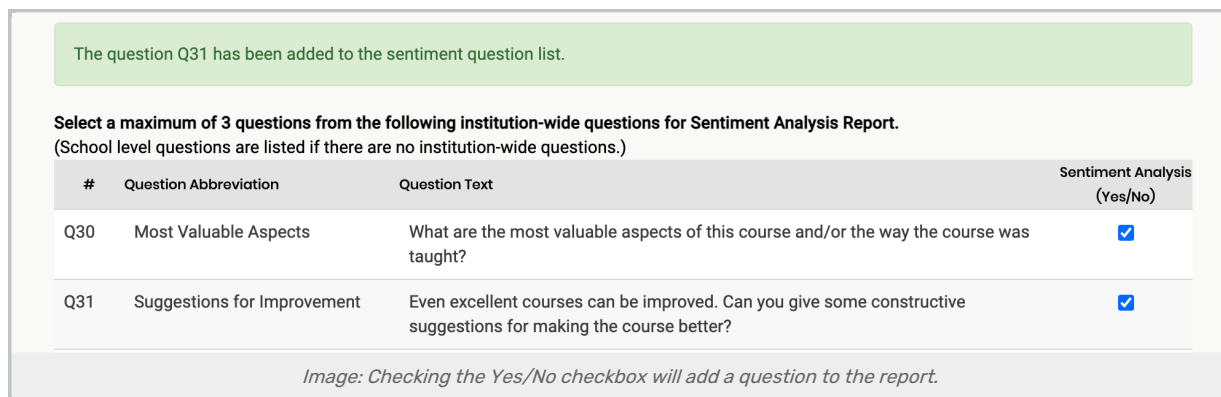
Sentiment Questions

Select a maximum of 3 questions from the following institution-wide questions for Sentiment Analysis Report.
(School level questions are listed if there are no institution-wide questions.)

#	Question Abbreviation	Question Text	Sentiment Analysis (Yes/No)
Q30	Most Valuable Aspects	What are the most valuable aspects of this course and/or the way the course was taught?	<input checked="" type="checkbox"/>
Q31	Suggestions for Improvement	Even excellent courses can be improved. Can you give some constructive suggestions for making the course better?	<input type="checkbox"/>

Image: Sentiment Questions page.

- Note that only open-ended questions will appear here. Best practice is to make sure the question is a question asked to everyone in the university and evokes emotional responses. Not all questions are asked of the whole university. These questions will appear first.
- If your institution doesn't have university-wide questions, the next best for comparison is the school-wide questions. The organization hierarchy is university > school > department > course.
- Once the checkbox is clicked, Eval25 automatically adds the question to your **Sentiment Analysis**, and a green banner appears for confirmation.



The question Q31 has been added to the sentiment question list.

Select a maximum of 3 questions from the following institution-wide questions for Sentiment Analysis Report.
(School level questions are listed if there are no institution-wide questions.)

#	Question Abbreviation	Question Text	Sentiment Analysis (Yes/No)
Q30	Most Valuable Aspects	What are the most valuable aspects of this course and/or the way the course was taught?	<input checked="" type="checkbox"/>
Q31	Suggestions for Improvement	Even excellent courses can be improved. Can you give some constructive suggestions for making the course better?	<input checked="" type="checkbox"/>

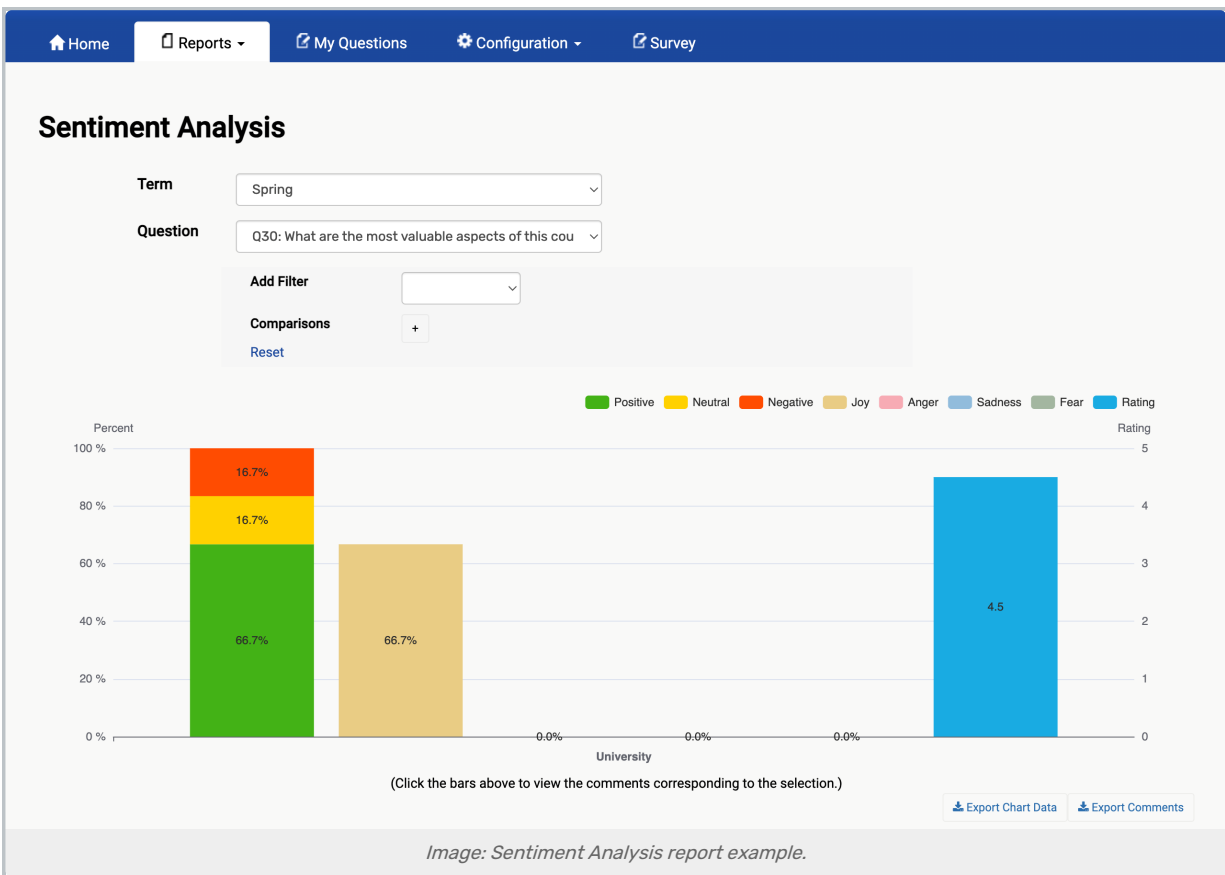
Image: Checking the Yes/No checkbox will add a question to the report.

3. Open the Sentiment Analysis Report

- Click **Home** on the top menu to return to the dashboard or click **Reports > Sentiment Analysis** to view the results.

4. Select a Term and Question

- Select the **Term** and **Question** for the report. (Note that the Qualitative Sentiment Analysis Report only works on one term at a time.)



5. (Optional) Apply Additional Filters to the Report

- A filter option is available if you would like to filter the results and also compare them. For more information on **Comparisons**, see the section below, "How to Compare Sentiment Analysis Reports".
- Select **School**, **Department**, or **Instructor** from the **Add Filter** dropdown. Then select the corresponding department, instructor, or school.
- Click **Reset** to clear the filter.

Term: Spring

Question: Q30: What are the most valuable aspects of this cou

Add Filter: [Dropdown]

Comparisons: +

Reset

Image: Criteria Reset button.

The bar chart and comment list will update automatically in the section underneath these configuration options.

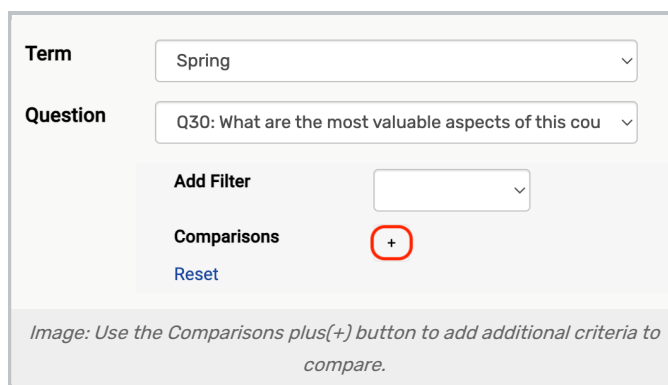
For more information on understanding the report, see the section, "How to Read the Sentiment Analysis Results."

For more information on Filters and Comparisons, see the section "How to Filter and Compare Sentiment Analysis Reports."

How to Compare Sentiment Analysis Reports

1. Make Your Comparison Selections

- From **Reports > Sentiment Analysis**, choose a **Term** and **Question**.
- Select **School**, **Department**, or **Instructor** from the **Add Filters** dropdown. Then select the specific school, department, or instructor.
- Click the plus (+) button next to **Comparisons** to add additional filter sets. These will be compared to the set from the step above.

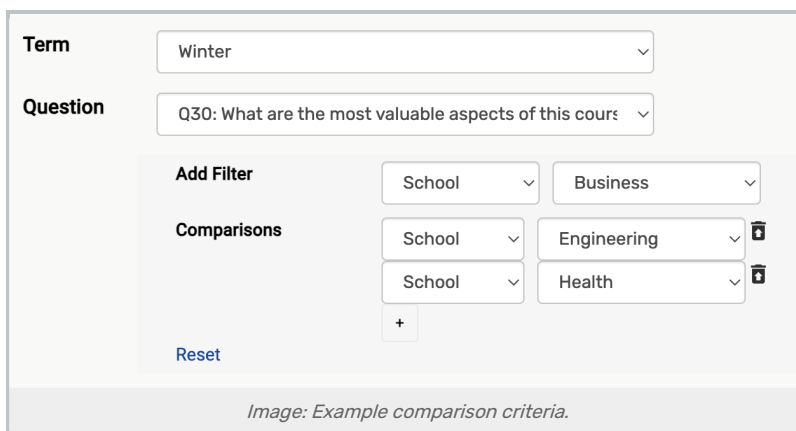


The screenshot shows a form with the following sections:

- Term:** A dropdown menu with "Spring" selected.
- Question:** A dropdown menu with "Q30: What are the most valuable aspects of this cou" selected.
- Add Filter:** A dropdown menu.
- Comparisons:** A section with a red circle around a plus (+) button and a "Reset" link below it.

Image: Use the Comparisons plus(+) button to add additional criteria to compare.

- Select **School**, **Department**, or **Instructor** from the first dropdown and the specific school, department, or instructor from the second dropdown.



The screenshot shows a form with the following sections:

- Term:** A dropdown menu with "Winter" selected.
- Question:** A dropdown menu with "Q30: What are the most valuable aspects of this cours" selected.
- Add Filter:** Two dropdown menus with "School" and "Business" selected.
- Comparisons:** Two rows of dropdown menus. The first row has "School" and "Engineering" selected. The second row has "School" and "Health" selected. There is a plus (+) button and a "Reset" link below the dropdowns.

Image: Example comparison criteria.

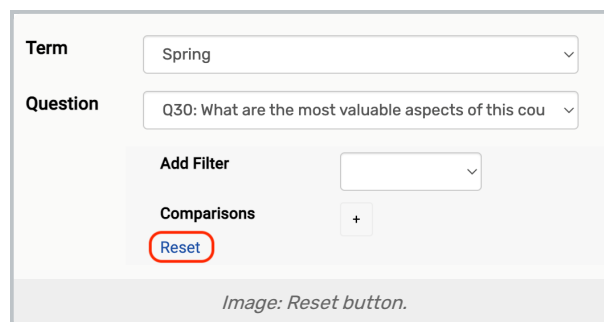
2. Review the Results

- Once an option is selected, the bar chart and comment list update automatically. Review the results. For more information on the results, see the section "How to Read the Sentiment Analysis Results" above.



3. Repeat

- Repeat steps 1-4 to add additional **Comparisons**.
- Click **Reset** to clear the **Filter** and **Comparisons**. The bar chart and comment list will update automatically.



- Continue Steps 1-6 to make as many **Comparisons** as you like.

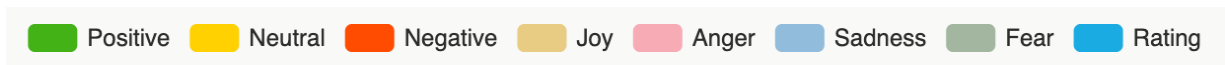
How to Read the Sentiment Analysis Results

Sentiment Analysis Bar Chart

The **Sentiment Analysis Bar Chart** shows the results of the analysis in a variety of ways using six different bars and percentages.



The key at the top reveals the different results displayed.



• Sentiment Score

- The analysis of the response broken down into **Negative**, **Neutral**, and **Positive**. The response is analyzed and broken down into a score of 0–5, where 0 is Negative and 5 is Positive, with Neutral in the middle. The first bar chart shows the distribution of the responses Sentiment Score results.

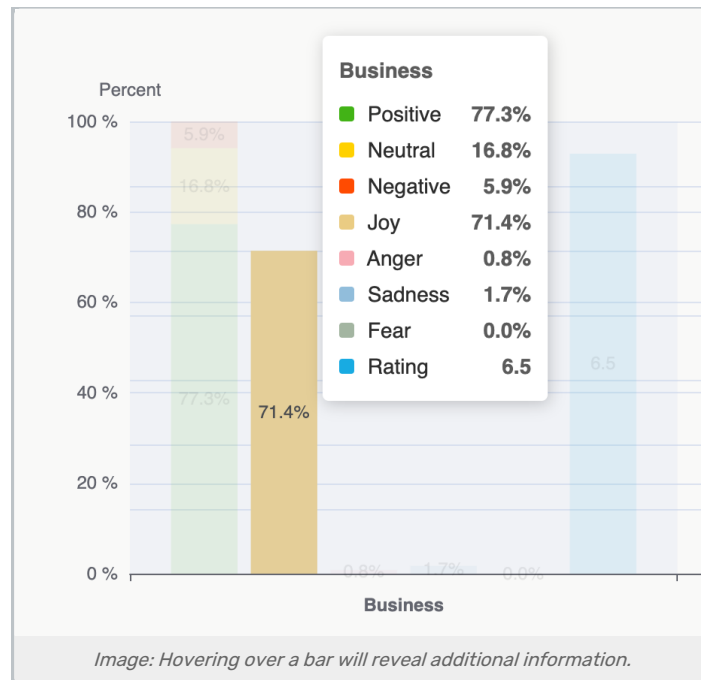
• Tone

- The emotion the analysis found for this comment. The results analyze the responses into **Joy**, **Anger**, **Sadness**, and **Fear** and a response may have more than one tone in the results.
- The next four bars (2–5) are the bars that represent the percentages of responses with those tones, in that order: Joy, Anger, Sadness, and Fear.
In the example, Anger and Fear have scores of 0.0% and thus no bars. The scores are still displayed where the bars would appear, the arrows point to where Anger, Bar 3, and Fear, bar 5, would be.

• Rating

- The mean rating score from all the responses, displayed in the last bar (bar 6) for comparison.

Hovering over the different bars will isolate that bar and reveal the results details.



Clicking on these bars updates the comment list below to show results that correspond to the selected bar.

Sentiment Analysis Comment List

The **Sentiment Analysis Comment List** contains the evaluation response to the question analyzed, a 5-star rating corresponding to the Sentiment Score, and the Tone analysis connected to this response.

# Comments for: University		Sentiment	Emotion
1	Learning the skills I need to pursue a job in the feild of my choice. ★★★★★	😊	Joy
2	Self-paced nature of the course is extremely helpful; hands-on lab makes the learning concrete and relevant. ★★★★★	😊	Joy
3	Im learning how to set up and use machinery safely in my feild of choice. ★★★★★	😊	Joy
4	Hands on , Lab ★★★★★	😊	
5	Very informative and presented in easy to understand manner. Questions were encouraged and genuine desire for student grasp of content. ★★★★★	😊	Joy
6	Im learning to cut the fat from any business to make it run smoot and not waste money ★★★★★	😞	

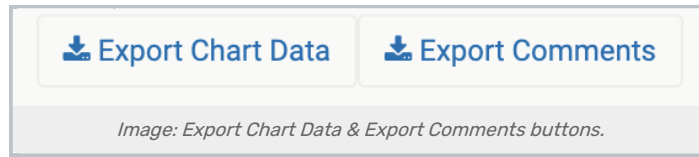
«« 1 »»

Image: Comment List example.

- **Comments** comes straight from the evaluation, exactly as the person responded:
- The 5-star rating corresponds to the Sentiment Score of 0 to 5, where 0 is Negative, 5 is Positive, with Neutral in the middle.
- The **Sentiment** Score is the analysis of the response broken down into Negative, Neutral, and Positive.
- Tone is the **Emotion** the analysis found for this comment. The results analyze the responses into Joy, Anger, Sadness, and Fear and a response may have more than one tone in the results.

Exporting Excel Files

You may export the results in any combination of filters and comparisons using the "export" buttons.



- **Export Chart Data:** provides a breakdown of each bar displayed in an easy-to-read spreadsheet format.
- **Export Comments:** provides the comments that correspond to the current chart with additional statistics.

Filtering and comparing the results will provide unique Excel exports corresponding to the data displayed.