

# Sentiment Analysis Report

## Summary Statistics

Total Comments Processed: 33

## VADER (English) Sentiment Distribution

Positive (VADER Eng): 23

Neutral (VADER Eng): 9

Negative (VADER Eng): 1

## Sentiment by Topic

Topic 0 - Engaging Class Participation

Top Words: lesson, class, boring, participation, nice

Comments: 8

Avg VADER (Aug): 0.41

Topic 1 - Master's Lesson Strategy

Top Words: topic, master, explaining, explain, boring

Comments: 6

Avg VADER (Aug): 0.07

Topic 2 - Teach to Understand Subject

Top Words: student, teaching, subject, understand, matter

Comments: 12

Avg VADER (Aug): 0.15

## Gemini Recommendations

Type: Topic 1 Rec (Label: Master's Lesson Strategy)

Prompt:

Topic 1 (Label: Master's Lesson Strategy (Avg Aug VADER Score: 0.07)): Keywords - topic, master, explaining, explain, boring, teacher, lesson

Recommendation:

Okay, here are 2-3 actionable teaching recommendations based on the topic "Master's Lesson Strategy" (Avg Aug VADER Score: 0.07) and associated keywords:

**\*\*Understanding the Context:\*\***

\* The low VADER score (0.07) suggests the existing material on "Master's Lesson Strategy" leans towards neutral or potentially slightly negative sentiment. This, combined with keywords like "boring" and "explain," indicates a challenge in engaging students. The focus should be on making lesson delivery more interesting and effective.

**\*\*Actionable Teaching Recommendations:\*\***

1. **\*\*Prioritize Active Learning over Passive Explanation:\*\***

\* **\*\*Problem:\*\*** The keywords "explaining" and "explain" strongly suggest a lecture-based teaching style, which may be considered "boring." This passive approach often results in lower engagement and retention.

\* **\*\*Action:\*\*** Design lessons around active learning strategies. This could include:

\* **\*\*Short bursts of explanation\*\*** followed by quick activities (e.g., think-pair-share, quick quizzes, concept mapping).

\* **\*\*Case studies:\*\*** Present real-world scenarios related to the topic and ask students to apply their knowledge.

\* **\*\*Group projects:\*\*** Encourage collaborative problem-solving and presentations.

\* **\*\*Incorporate physical activity:\*\*** Use activities, simulations, and games to help solidify concepts.

\* **\*\*Use frequent assessments\*\*** to check for understanding and adjust your approach.

## 2. **Contextualize and Connect to Student Interests:**

- \* **Problem:** A "master" or "teacher" might be perceived as detached if the material isn't relevant to the students' experiences or interests. This can contribute to boredom.
- \* **Action:** Make connections between the "master" (subject matter) and the students' world.
- \* **Start with a hook:** Begin lessons with an engaging question, a relevant news article, or a short video that piques students' curiosity.
- \* **Use real-world examples:** Illustrate abstract concepts with concrete examples and case studies that students can relate to.
- \* **Incorporate student choice:** Whenever possible, offer students options in assignments and projects to allow them to explore topics that truly interest them.
- \* **Solicit input:** Ask students questions about their experiences and use their responses to shape the lessons.

## 3. **Vary Delivery and Utilize Multimedia:**

- \* **Problem:** Relying solely on traditional lecturing can become monotonous and ineffective.
- \* **Action:** Break up the monotony by incorporating a variety of teaching methods and resources:
- \* **Vary the pace:** Alternate between lectures, discussions, group work, and individual activities.
- \* **Utilize multimedia:** Use videos, images, audio clips, and interactive online tools to enhance understanding and keep students engaged.
- \* **Incorporate visual aids:** Use effective visuals (PowerPoint, diagrams, flowcharts) to help explain concepts, reducing the need for lengthy, dry explanations.
- \* **Use technology:** Implement online learning platforms to provide resources, quizzes, and discussions to enhance the learning experience.

By implementing these recommendations, teachers can shift from a potentially "boring" lecture-based model to a more engaging and effective learning environment that caters to students' diverse learning styles and interests.

Prompt:

Topic 2 (Label: Teach to Understand Subject (Avg Aug VADER Score: 0.15)): Keywords - student, teaching, subject, understand, matter, teach, strategy

Recommendation:

Here are 2-3 actionable teaching recommendations, focusing on helping students understand a subject, based on the provided context:

1. **Employ a Variety of Teaching Strategies & Activities:** Instead of relying solely on lectures, diversify teaching methods. This includes incorporating activities like:

- \* **Active Recall:** Frequent quizzes, flashcards, and short, ungraded recall exercises to encourage retrieval and solidify knowledge.

- \* **Problem-Solving:** Provide opportunities for students to apply their knowledge to real-world scenarios, case studies, or problem sets.

- \* **Group Work & Discussion:** Facilitate collaborative learning through group projects, debates, and class discussions to encourage students to articulate their understanding and learn from each other.

- \* **Visual Aids:** Use diagrams, infographics, videos, and other visual tools to make complex concepts more accessible.

**Why it helps understanding:** Different learning styles and cognitive processes benefit from diverse approaches. This helps students grasp the subject matter from various angles and solidify understanding.

2. **Prioritize Concept-Mapping and Connections:** Help students build a strong conceptual understanding by explicitly teaching them how to connect different ideas within the subject. This includes:

- \* **Explicitly show relationships:** Regularly highlight connections between concepts and topics. Use visual aids like concept maps or diagrams to illustrate these relationships.

- \* **Encourage student-created concept maps:** Assign activities where students create their own concept maps or

mind maps to organize and visualize their understanding.

- \* **Compare and Contrast:** Regularly compare and contrast related concepts.

**Why it helps understanding:** Learning is more effective when students can see how different ideas are related.

Conceptual understanding is the foundation for true comprehension and the ability to apply knowledge.

3. **Incorporate Regular Formative Assessment with Targeted Feedback:** Use assessments not just to grade, but to understand student understanding and provide targeted feedback.

- \* **Frequent Low-Stakes Quizzes:** Administer short quizzes throughout the learning process to check for understanding and identify areas where students struggle.

- \* **Provide detailed feedback:** Move beyond just grades and provide specific comments on student work, highlighting strengths and weaknesses, and suggesting areas for improvement.

- \* **Offer Opportunities for Revision:** Allow students to revise their work based on feedback, reinforcing learning and addressing misunderstandings.

**Why it helps understanding:** Regular feedback gives students a clear picture of their progress and identifies gaps in their knowledge. This allows them to focus on areas where they need more support and improve their overall understanding.

Type: Topic 0 Rec (Label: Engaging Class Participation)

Prompt:

Topic 0 (Label: Engaging Class Participation (Avg Aug VADER Score: 0.41)): Keywords - lesson, class, boring, participation, nice, considerate, teaching

Recommendation:

Here are 2-3 actionable teaching recommendations related to "Engaging Class Participation" based on the provided context and VADER score:

1. **\*\*Incorporate Active Learning Strategies to Combat Boredom:\*\*** The keywords "boring" and the positive association with "nice" suggest students might feel disengaged due to passive learning. Implement active learning techniques such as:

- \* **\*\*Think-Pair-Share:\*\*** Have students think individually about a question, pair up with a classmate to discuss their ideas, and then share with the larger class.

- \* **\*\*Short Quizzes & Polls:\*\*** Use quick quizzes or polls (e.g., using online tools) to gauge understanding and provide immediate feedback. This can break up long lectures and encourage attention.

- \* **\*\*Group Projects & Discussions:\*\*** Assign tasks that require collaboration, research, and discussion. This shifts the focus from teacher-centered to student-centered learning, fostering engagement.

2. **\*\*Cultivate a Considerate and Safe Classroom Environment:\*\*** The presence of the word "considerate" and the relatively positive sentiment (VADER score of 0.41, although still room for improvement) highlight the importance of the classroom atmosphere. Implement strategies like:

- \* **\*\*Establish Clear Participation Guidelines:\*\*** Clearly outline expectations for respectful participation, including listening to others, valuing diverse opinions, and taking turns.

- \* **\*\*Model Positive Interactions:\*\*** Teachers should demonstrate active listening, provide constructive feedback, and validate student contributions to encourage a safe and encouraging atmosphere.

- \* **\*\*Address Disruptive Behavior Proactively:\*\*** Implement a plan for managing disruptive behavior, addressing it quickly and fairly to maintain a positive and inclusive learning environment.

3. **\*\*Design Lessons with Variety and Relevance:\*\*** The keywords "lesson" and "teaching" point to the importance of lesson design. Consider these aspects to combat potential disinterest:

- \* **\*\*Vary Instructional Methods:\*\*** Alternate between lectures, discussions, demonstrations, videos, and hands-on activities to keep the lessons fresh and cater to different learning styles.

- \* **\*\*Connect to Real-World Applications:\*\*** Whenever possible, relate the subject matter to students' lives and interests. Show how the concepts they are learning have practical applications in the real world.

\* \*\*Incorporate Student Voice and Choice:\*\* Whenever possible, provide students with some choices in assignments or activities. This empowers them and encourages their active participation.

Type: Overall CSV Based AI Recommendation

Prompt:

Student Feedback Analysis Summary:

Overall Std VADER (Eng/Translated) Sentiment (Avg Score): 0.36 (Positive)

Dominant Std VADER: Positive (VADER Eng) (23 comments)

Distribution (Counts & %):

- Positive (VADER Eng): 23 (69.70%)
- Neutral (VADER Eng): 9 (27.27%)
- Negative (VADER Eng): 1 (3.03%)

Overall Aug VADER (Filipino Lexicon) Sentiment (Avg Score): 0.21 (Positive)

Dominant Aug VADER: Positive (VADER Aug) (16 comments)

Distribution (Counts & %):

- Positive (VADER Aug): 16 (48.48%)
- Neutral (VADER Aug): 16 (48.48%)
- Negative (VADER Aug): 1 (3.03%)

Filipino Keyword Sentiment Distribution (Counts & %):

Dominant Filipino Keyword Sentiment: Neutral (Filipino Keywords) (25 comments)

- Neutral (Filipino Keywords): 25 (75.76%)
- Positive (Filipino Keywords): 6 (18.18%)
- Negative (Filipino Keywords): 2 (6.06%)

#### Key Labeled Topics (Top words from AI labeling):

- Topic 0 (Engaging Class Participation): lesson, class, boring, participation, nice, considerate, teaching
- Topic 1 (Master's Lesson Strategy): topic, master, explaining, explain, boring, teacher, lesson
- Topic 2 (Teach to Understand Subject): student, teaching, subject, understand, matter, teach, strategy

#### Example Positive Feedback:

- be more lively, class is at times boring.

#### Example Negative Feedback:

- He explains every topic very well until everyone understands it. He is not a boring instructor.

#### Recommendation:

#### Overall AI Recommendations:

##### \* \*\*1. Inject More Engagement and Lively Activities (Heading):\*\*

\* \*\*Rationale:\*\* The analysis reveals a consistent theme of "boring" and a desire for more engagement in class participation, despite the overall positive sentiment. Even though the majority of the students feel that the lessons and teachers are good, there is still some work that can be done to improve it.

##### \* \*\*2. Reinforce Clear and Effective Explanations (Heading):\*\*

\* \*\*Rationale:\*\* The feedback highlights the importance of instructors explaining topics well, where students can understand. The negative feedback, also, highlights a clear explanation, so instructors should continue to give effective explanations.

##### \* \*\*3. Leverage Student Understanding Focused Teaching Strategies (Heading):\*\*

\* \*\*Rationale:\*\* The keyword analysis clearly identifies a desire for strategies that promote student understanding of the subject matter.

##### \* \*\*4. Vary the Teaching Methods (Heading):\*\*

\* \*\*Rationale:\*\* The keyword analysis reveals that there are different strategies that are successful for different students. The analysis also revealed a desire for improved strategies.



\* **5. Consider Filipino Lexicon-Based Modifications (Heading):**\*

\* **Rationale:** While the English sentiment is strongly positive, the Filipino language analysis shows a higher percentage of neutral feedback. This indicates a potential need to translate and/or adjust teaching materials and delivery to better resonate with students in their native language to improve understanding.