

# Mini-Report: Student Event Feedback Analysis

## **1** Graphs of Ratings

### What was done

- Analyzed the distribution of student ratings (1–5) using a bar chart.

### Key Insight

- Most students rated the event **4 or 5**, indicating **high overall satisfaction**.
- Very few low ratings (1–2) suggest that negative experiences were limited.

### Interpretation

- The event met expectations for the majority of participants.
  - High ratings reflect good content quality and delivery.
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## **2** Sentiment Analysis Summary

### Method

- Text feedback was analyzed using **TextBlob**.
- Each feedback entry was assigned a sentiment score and labeled as:
  - Positive
  - Neutral
  - Negative

### Findings

- **Positive sentiment dominates** the feedback.
- Neutral feedback reflects average or mixed experiences.
- Negative sentiment highlights specific pain points rather than overall dissatisfaction.

### Word Cloud Insights

- Frequently occurring words include:
  - *informative*
  - *engaging*
  - *organized*
  - *interactive*

These words indicate what students valued most.

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## **3** Key Recommendations for Event Organizers

Based on sentiment patterns and feedback content:

### Maintain strengths

- Continue delivering informative and well-structured sessions

- Retain engaging speakers and interactive elements

## ⚠ Areas for improvement

- Improve **time management and pacing**
- Reduce session length or add breaks
- Enhance organization and clarity of instructions

## ✓ Actionable steps

- Collect real-time feedback during events
- Increase hands-on activities
- Improve pre-event communication

## 4 Conclusion

This analysis demonstrates how **data analysis and NLP techniques** can be used to:

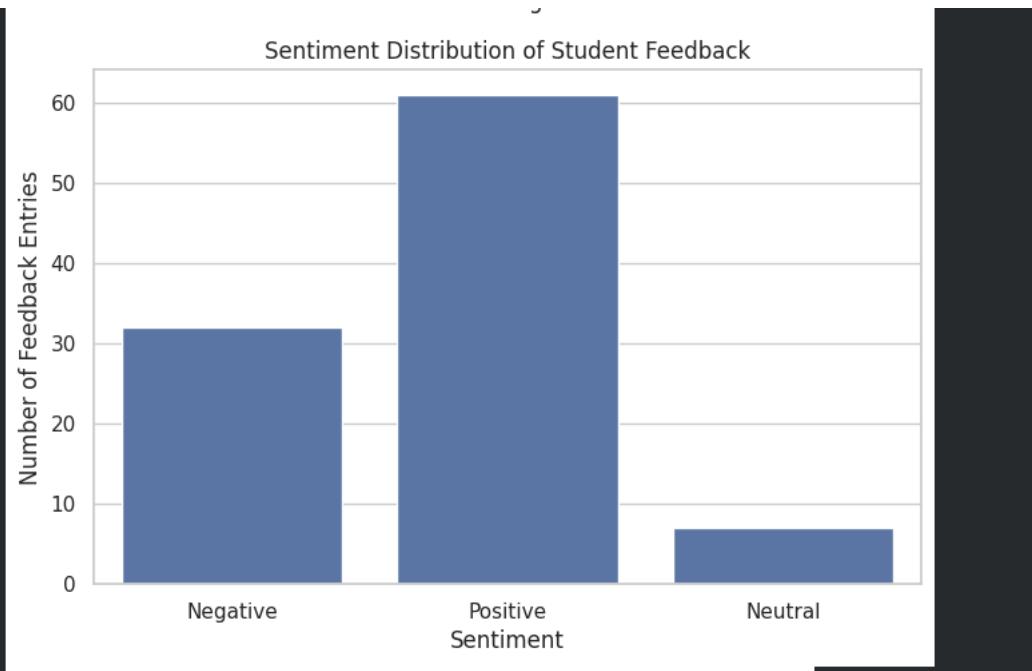
- Understand participant sentiment
- Identify strengths and weaknesses
- Support data-driven decision-making for future events

## The Needed Graphs

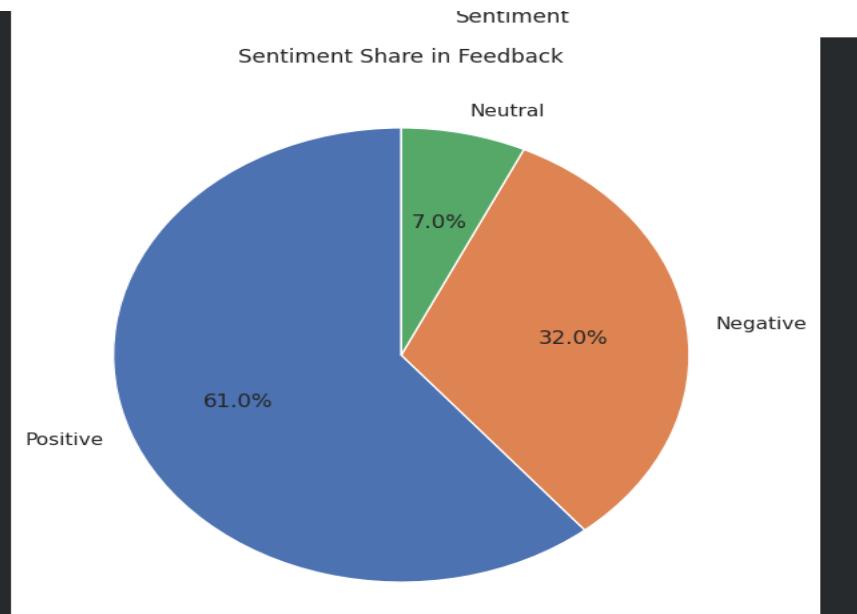
### Bar Graph:

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 100 entries, 0 to 99
Data columns (total 3 columns):
 #   Column   Non-Null Count  Dtype  
--- 
 0   Student_ID  100 non-null   int64  
 1   Rating      100 non-null   int64  
 2   Feedback    100 non-null   object  
dtypes: int64(2), object(1)
memory usage: 2.5+ KB
```





## Pie Chart:



## Word Cloud

