

# **Report - Task 3: College Event Feedback Analysis**

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**Internship Program:** Future Interns — Data Science & Analytics

**Task Number:** Task 3

**Tools Used:** Python, Google Colab, Pandas, Matplotlib, Seaborn, TextBlob

**Project Name:** Student Feedback Analysis for College Events

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## **Objective of the Task**

To analyze student feedback from college events using data science tools. This includes:

- Calculating average ratings for feedback questions
  - Visualizing results through bar and pie charts
  - Performing sentiment analysis on student comments
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## **Dataset Overview**

- **File Name:** student\_feedback.csv
- **Total Rows:** 114
- **Key Columns:**
  - Subject\_Knowledge
  - Concept\_Clarity

- Presentations
  - Assignment\_Difficulty
  - Doubt\_Solving
  - Course\_Structure
  - Student\_Support
  - Course\_Relevance
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## Process Followed

### 1. Data Cleaning & Renaming Columns

Cleaned the CSV data and renamed the columns for easier understanding.

### 2. Average Score Analysis

Used pandas and seaborn to calculate and visualize average ratings.

□ **Graph 1:** Bar chart for average feedback per question

### 3. Sentiment Analysis

Applied TextBlob to classify comments into Positive, Negative, or Neutral.

□ **Graph 2:** Pie chart showing sentiment distribution

### 4. Insights:

- Most students gave high ratings for clarity and subject knowledge.
  - Sentiments were mostly positive, showing satisfaction with events.
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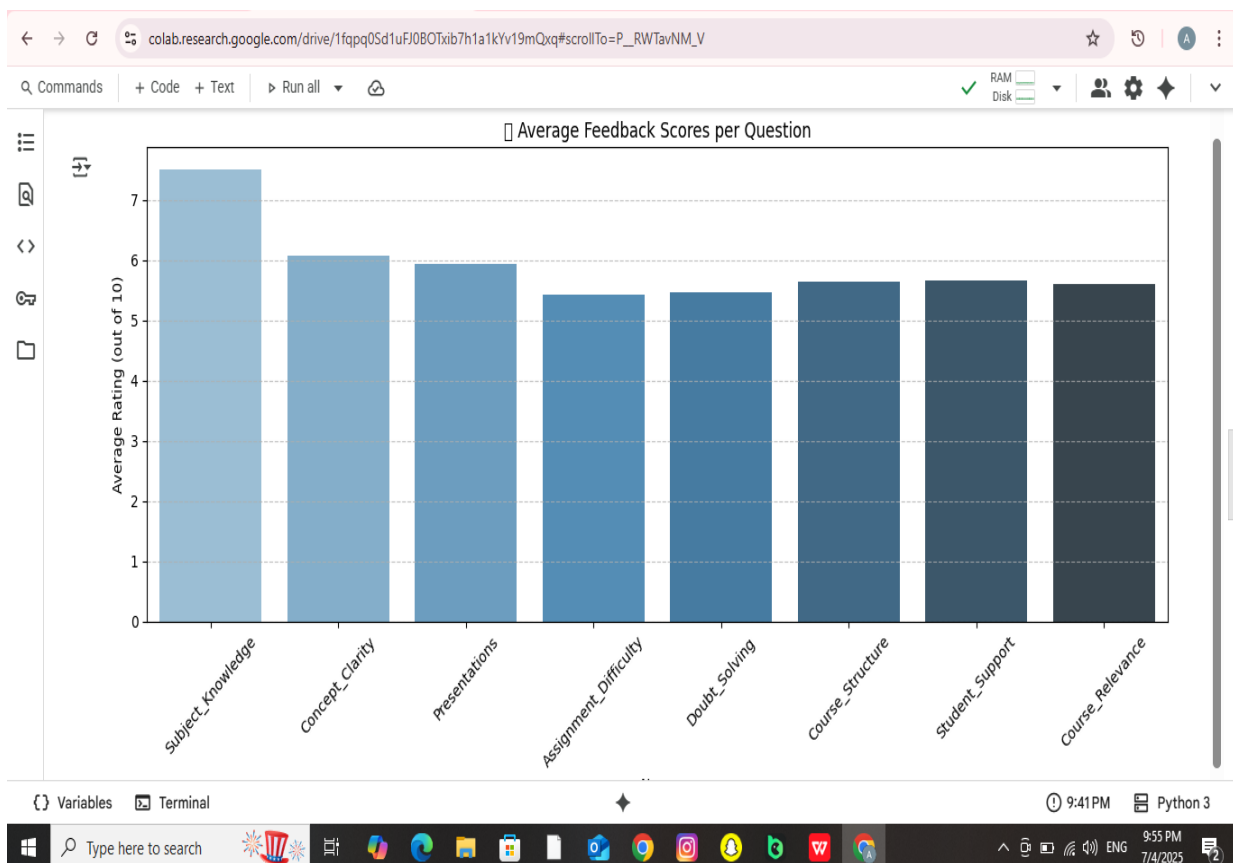
## Project Output

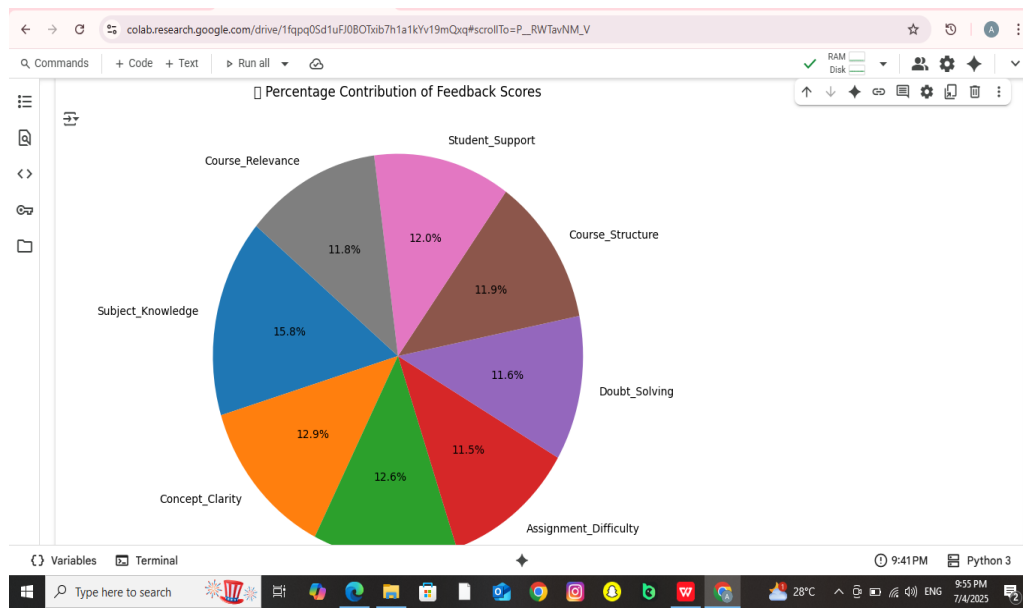
Google Colab Notebook Link:

[https://colab.research.google.com/drive/1fqpq0Sd1uFJ0BOTxib7h1a1kYv19mQxq#scrollTo=P\\_RWTavNM\\_V](https://colab.research.google.com/drive/1fqpq0Sd1uFJ0BOTxib7h1a1kYv19mQxq#scrollTo=P_RWTavNM_V)

GitHub Repository Link:

[https://github.com/Anushikax/FUTURE\\_DS\\_03/](https://github.com/Anushikax/FUTURE_DS_03/)





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## Conclusion

This project helped me understand real-world applications of:

- Data cleaning and transformation
- Visualization using Python
- Basic sentiment analysis

It was a great hands-on experience to improve my data science and Python skills.

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## End of Report