Future Interns

Data Science & Analytics Task 3

By Future Interns

🎓 College Event Feedback Analysis – Internship Project

✨ Use data science to improve campus life! Learn how to turn student feedback into actionable insights using real-world tools like Google Colab, pandas, and TextBlob — no coding background needed.

🔍 Project Overview

College events like tech fests, workshops, and cultural activities collect feedback — but are we using it meaningfully?

In this project, interns will analyze **text and rating-based feedback** submitted by students after attending campus events. You'll work with **simulated or re** Forms data (CSV) and use basic **Natural Language Processing (NLP)** to understand satisfaction levels and identify areas for improvement.

🤖 Need help?

🎯 What You'll Do

- ✅ Clean and prepare feedback data (from a Google Form export)
- ✅ Analyze ratings (1–5 scale) to find patterns of satisfaction
- ✅ Use NLP tools to score sentiment in comments (positive/neutral/negative)
- ✅ Visualize trends with beautiful charts and graphs
- ✅ Suggest improvements for future events

🧠 Skills You'll Gain

- Data cleaning & preparation with **pandas**
- **Sentiment analysis** using `TextBlob` or `VADER`
- Creating **bar charts, pie charts, word clouds** for reports
- Interpreting survey data to help make real decisions
- Working in **Google Colab** (no software installation!)

🛠️ Tools & Libraries

Tool	Purpose
Google Colab	Online coding (no setup needed)
pandas	Data manipulation
seaborn/matplotlib	Visualization
TextBlob / VADER	Sentiment analysis (NLP)

🗂️ Sample Dataset (CSV format)

Use any of these or simulate your own:

1. 🔗 [Student Feedback Survey Responses](#)
2. 🔗 [Student Satisfaction Survey](#)
3. 📄 Or collect data from a real Google Form:
   - Ask students to rate and comment after an event.
   - Export the responses as CSV.
   - You're ready to analyze!

🤖 Need help?

🤖

📊 Example Insights You Can Find

- Top 3 events with highest satisfaction

- Most common complaints from comments (via word cloud)

- Correlation between ratings and event type (workshop vs seminar)

- Which departments hosted the most-liked events

🎥 YouTube Tutorials for Beginners (for Reference)

- 📌 [Google Colab for Beginners – FreeCodeCamp](#)

- 📌 [Sentiment Analysis in Python – TextBlob](#)

- 📌 [Plotting Data in Python (Seaborn/Matplotlib)](#)

📁 Final Deliverable

✅ A clean, well-commented **Jupyter Notebook (or Colab link)**
✅ A mini-report/dashboard with:

- Graphs of ratings

- Sentiment analysis summary

- Key recommendations for event organizers

← **PREVIOUS**
Data Science & Analytics Task 2

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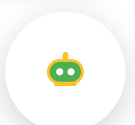Full Stack Web Development

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