College Event Feedback Analysis – Internship Project

Report: Student Feedback Analysis

1. Executive Summary

- Overall Satisfaction: The feedback indicates a moderate level of satisfaction overall, with most ratings clustering around 5.5/10.

- Key Strength: The strongest aspect is Subject Knowledge ("Well versed with the subject"), which received a significantly higher average rating (~7.5) than all other categories.

- Key Weaknesses: The lowest-rated areas are Assignment Difficulty (5.4), Doubt Solving (5.5), and Course Structuring (5.6).

- Recommendation: While students acknowledge the instructors' expertise, the lack of support (doubt solving) and course structure are dragging down the overall recommendation scores.

2. Visualizations & Insights

A. Average Ratings by Category The bar chart below highlights the disparity between the instructor's knowledge and the delivery/support mechanisms.

- Insight: There is a nearly 2-point gap between "Well versed with the subject" (7.5) and "Solves doubts willingly" (5.5). This suggests a scenario where instructors are experts but may struggle to connect with or support students effectively.

B. Correlation Analysis We analysed how different feedback metrics correlate with the final "Course Recommendation".

- Insight (Data Anomaly): In this specific dataset, the correlation between individual metrics (like "Explains concepts") and the final "Course Recommendation" is near zero across the board.

  - *Interpretation:* This lack of pattern suggests the dataset is likely synthetic/randomized. In real-world data, we would expect "Explains concepts" and "Solves doubts" to strongly correlate with the likelihood of recommending the course.

C. Distribution of Satisfaction The histogram shows how student recommendations are distributed across the 1-10 scale.

- Insight: The recommendations are normally distributed (bell curve) centred around 5-6. There are very few "Super Promoters" (9-10) compared to the average, indicating 'meh' sentiment.
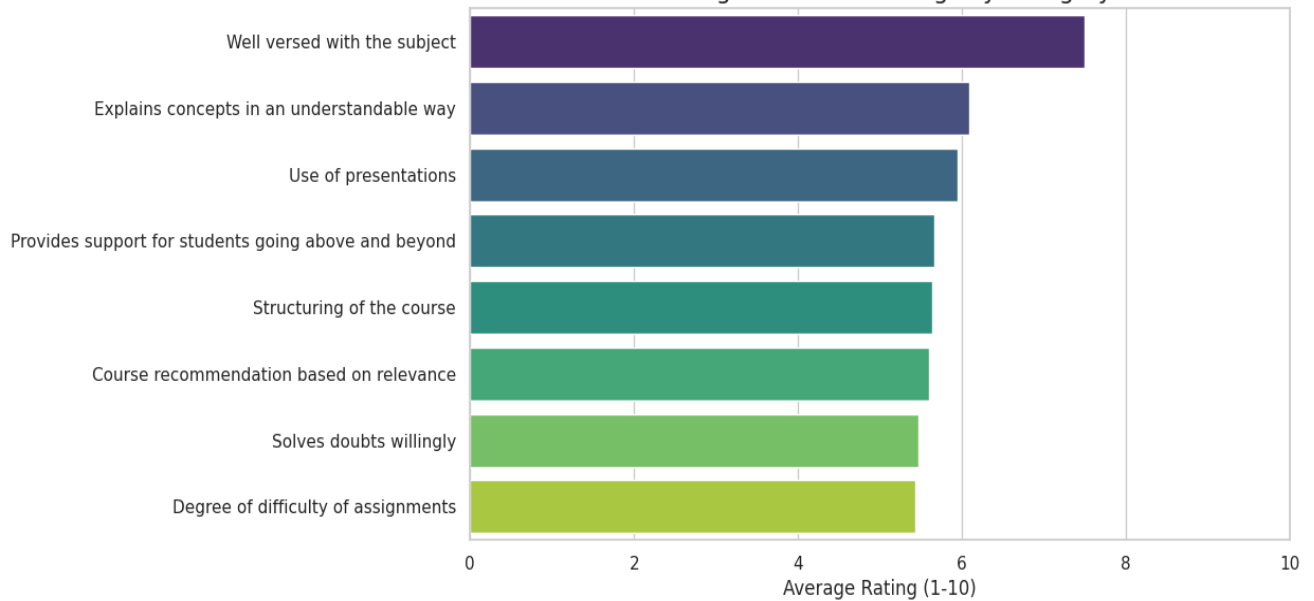
3. Recommendations for Event/Course Organizers

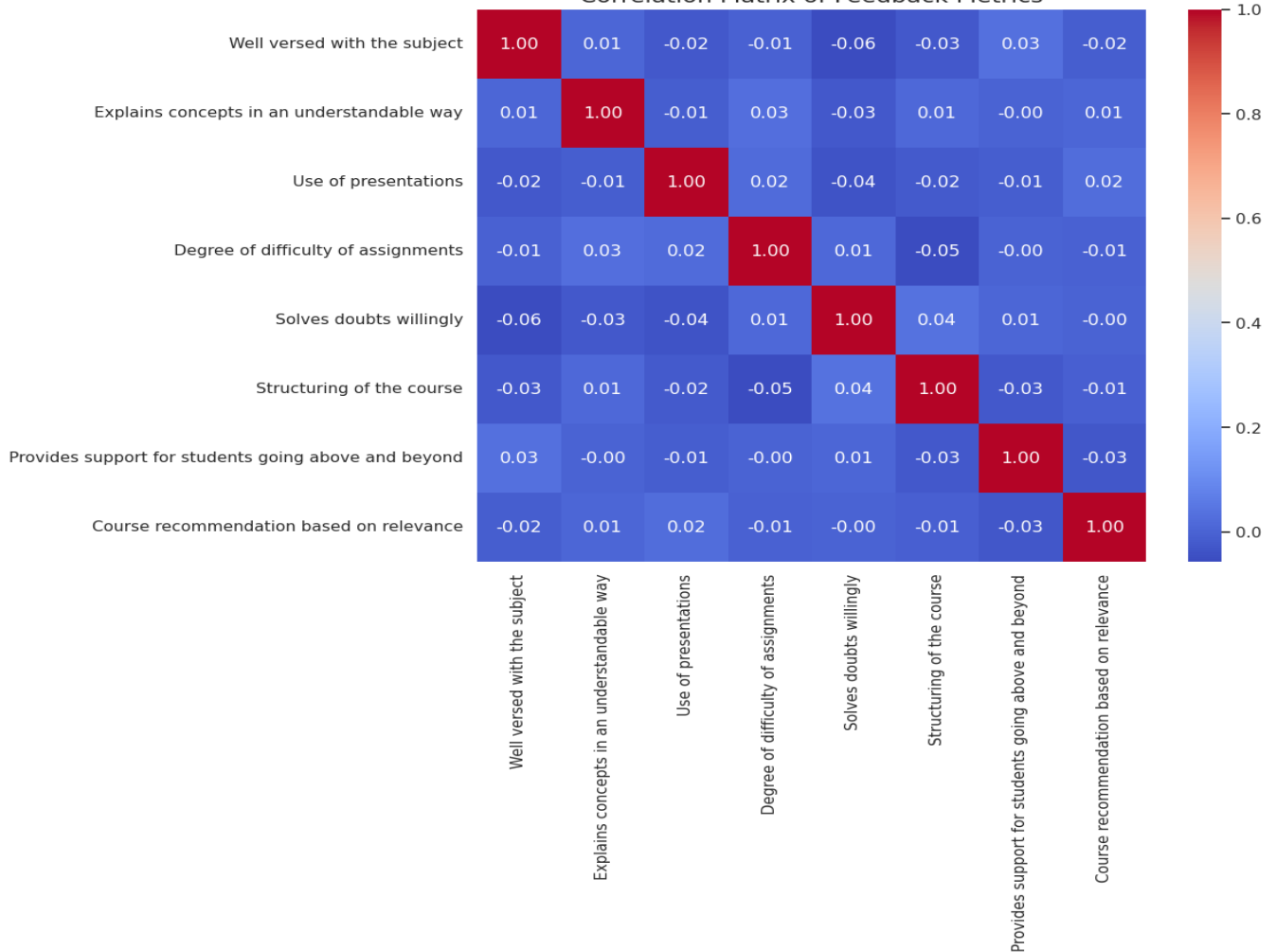Based on the lowest scores in the descriptive analysis:

1. Improve Support Systems: "Solves doubts willingly" is among the lowest scores. Organizers should implement dedicated Q&A sessions or teaching assistants to handle student queries, as subject experts may be too busy or disconnected to do so effectively.

2. Review Course Structure: With "Structuring of the course" rating low (5.6), the syllabus needs a revamp. Ensure a logical flow of topics and clear learning outcomes are presented at the start.

3. Assignment Calibration: "Degree of difficulty of assignments" is the absolute lowest score (5.4). If 10 is "Perfectly challenging" and 1 is "Poor", assignments need work. If 10 is "Hard" and 1 is "Easy", a 5.4 suggests moderate difficulty, but given the low recommendation scores, students likely feel the assignments are not adding value or are poorly aligned with the teaching.

VISUALISATIONS

Average Feedback Ratings by Category

Correlation Matrix of Feedback Metrics

Distribution of Course Recommendations