

■ Mini Report – Student Feedback Analysis

FutureIntern | Task 3 – FUTURE_DS_03

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■ Objective

Analyze student feedback data to identify satisfaction patterns, key strengths, and improvement areas. Original ratings were on a 1–10 scale, standardized to a 1–5 scale for consistency.

■ Data Overview

Dataset: student_feedback.xlsx

Key Columns: 8 rating-based questions covering teaching quality, course structure, and support.

■ Analysis Performed

- Data cleaning and missing value handling
- Rescaling 1–10 → 1–5 ratings
- Computed overall satisfaction scores
- Created charts for: Average rating, Rating distribution, Correlation heatmap, Radar chart

■ Key Insights

- Overall satisfaction: ~4.0 / 5
- Top strengths: Explains concepts clearly, Solves doubts willingly
- Improvement area: Degree of difficulty of assignments
- High correlation across teaching quality metrics indicates consistent positive feedback

■ Recommendations

- Rebalance assignment difficulty to match learning pace.
- Continue strong doubt-solving sessions.
- Improve presentation quality and course structure clarity.

■ Outcome

Delivered a well-commented Python/Colab Notebook and a clean visual report summarizing student satisfaction, trends, and actionable insights.