# Students Data Analysis

# Top 5 insights driven from data analysis

**1. Top Rated Course**

- **PY202 has the highest average feedback rating of 3.28, indicating it's the most appreciated course.**

- **Other notable courses: UX303 (2.92) and DM101 (2.90).**

**2. Weak Negative Correlation Between Completion & Rating**

- **The correlation between completion percentage and feedback rating is -0.14.**

- **This suggests a slight inverse relationship: higher completion doesn't necessarily mean higher satisfaction**

**3. Top 3 Most Engaged Students**

**Measured by normalized time spent and course completion:**

- **S050 — Highest engagement score (1.52)**

## 4. Most Satisfied Region: Chennai

- **Students from Chennai gave the highest average ratings (3.63), followed by Bangalore and Mumbai.**

- **Indicates strong satisfaction in the Chennai demographic.**

## 5. Top 3 Satisfied Students (Perfect Ratings)

- **S017, S067, and S036 gave an average rating of 5.0 — full satisfaction across their feedback.**

# 3 data–driven recommendations to improve student engagement or course performance

**1. Prioritize Enhancements for Lower-Rated Courses**

- **Insight: Courses such as *WD404* and *DM101* have average ratings below 3.0, indicating lower student satisfaction.**

- **Recommendation: Conduct qualitative analysis of student feedback to identify pain points such as outdated content, lack of clarity, or low engagement. Use these insights to revise course content, introduce interactive elements, and improve overall instructional design.**

**2. Target Underperforming Regions with Tailored Support**

- **Insight: Students from *Chennai* report higher satisfaction scores, while cities like *Mumbai* show relatively lower ratings.**

- **Recommendation: Develop region-specific engagement strategies, such as localized support sessions, culturally relevant examples in course materials, or targeted mentoring programs to boost satisfaction and performance in underperforming areas.**

**3. Identify and Leverage High-Engagement Student**

# 3 data-driven recommendations to improve student engagement or course performance

**3. Identify and Leverage High-Engagement Student**

- **Insight: Students *S050*, *S052*, and *S021* show the highest engagement levels based on time spent and course completion rates.**

- **Recommendation: Involve high-engagement students as peer mentors or course ambassadors. Analyze their learning behaviors to inform onboarding practices and course design enhancements that could benefit all students.**