

## **DETERMINE THE INSIGHTS FROM THE DATASET**

### **1. How well versed with the subjects were the teachers?**

The average feedback by the students stands at approximately 7.5. This provides that the teachers' level of awareness of the subjects they teach is quite impressive. This shows a uniform distribution since all the ratings are between 5 and 10, with a KDE overlay that shows no strong skew.

The visualization is right-skewed; therefore, the majority of the students perceive that the teachers were well-versed in their subjects.

#### **Recommendations**

Therefore, the teachers should maintain the current standards of teaching; however, we may consider identifying and also rewarding top-performing teachers to boost their morale even more.

Some students, however, think that the teachers were ill-prepared.

#### **Recommendation**

We therefore recommend that an investigation should be carried out on such cases. If at all it comes out as being a specific teacher or subject, we can perform mentorship and /or training for them to scale up their teaching.

### **2. Did the teachers explain the concepts in an understandable way?**

The average student feedback provides that the level with which the teachers understandably delivered their content is at 6.082, which is slightly above the average of 5.

The boxen plot, however, suggests a broadly distributed perception without any clear consensus towards any extreme. Nonetheless, with most responses falling between 4 and 8, we can conclude that the teachers explained the concepts in an understandable way.

There is a higher concentration of feedback between 4 and 8.

#### **Recommendation**

This provides that student understood the concepts very well. Therefore, we recommend that the current teaching methods be maintained. Additionally, such could also be shared across other departments.

We also noted that there are several low outliers, 1 and 2's. This suggests that some students really struggled to understand.

## **Recommendation**

We therefore recommend that we identify specific teachers and advise them to consider doing a follow-up tutorial or mentorships for them to ensure improvement.

### **3. Did the teachers use presentations in their delivery?**

The average student feedback is slightly above average, at 5.94, showing that the teachers did actually use the presentations.

The Histogram shows that the student counts based on their responses were significant numbers, all above 150.

Additionally, the kde curve suggests as multi-modal distribution with no strong central tendency. This shows that there were various levels of frequency regarding the use of presentations.

The majority of the feedback received falls within the range of 5 to 7. This provides that presentations are used quite inconsistently.

## **Recommendation**

We can consider offering training to the teachers on effective presentation designs and how important it is to integrate such into lessons

### **4. What was the degree of difficulty of the assignments issued by the teachers?**

The box plot shows a mean of the feedback received as 5.43, with the majority of the feedback being above the average value, between 5 and 8. It also shows outliers of 1 and 10. It provides that the assignments issued to them had a high difficulty rate

Students have mixed reactions concerning this.

## **Recommendation**

Given that the majority of the feedback lies between 4 and 8, consider either;

1. Maintaining or refining the level of difficulty based on the students' performances
2. Review this to ensure clarity is attained, a proper structure is maintained, and to lighten the workload on the students

### **5. Did the teachers help in solving out doubts willingly?**

Despite the average feedback being 5.47, slightly above the average of 5, the histogram shows a split in opinion of the feedback received from the students.

One of the groups gave a low rating to whether the teachers helped in solving doubts willfully, with the peak being between 1 and 3, while another group gave positive feedback for the same with the peak being between 5 and 7.

#### **6. How was the structuring of the course?**

The student's feedback shows an average value of 5.64, which suggests a neutral-to-positive response. The histogram shows 2 peaks; the first one shows that a good number of students gave low ratings to the question, while the other peak is around 6-7, showing that another group of students gave a moderate rating to it. This shows a difference in opinion and a diversity in response to the question asked.

Despite the average response being 5.64, a good number of students found that the structuring of their course was poor, while another group found it to be good. This is represented by the 2 peaks.

#### **7. Did the teachers Provide support for students going above and beyond?**

The average feedback is at 5.66, and despite this, the response shows a difference in opinions, with one group giving a lower rating to whether support was provided to students going above and beyond, while another group giving higher ratings to the same.

#### **8. How relevant was your course?**

The average of 5.598 suggests that the students' courses were moderately relevant, which is slightly above an average of 5. The multi-modal distribution of the feedback indicates that there is no single dominant opinion regarding the course relevance.

With the extremes at both ends, the lower side at 1 and the higher side at 9, it shows a higher factor of polarization, with some finding the courses irrelevant (at 1) while others finding it to be relevant (at 10).

With the average rating at 5.6, the histogram shows that the courses were perceived differently by various students. A good number gave a rating of between 6-9, finding their courses to being very relevant, while another portion of students found their courses to being irrelevant, and thus giving a rating of between 1 and 4. This therefore call for re-evaluation of this aspect.

#### **9. Correlation Matrix (-0.031117048967270806)**

There is no clear upward trend for this. Students who receive good support for the course gave lower recommendations.