

# DETERMINING THE ASSOCIATION OF STUDENT PERFORMANCE IN ACADEMIC AND CO-CURRICULUM PARTICIPATION: A CASE STUDY AT SMK SERI NILAM

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## ABSTRACT

This project is basically focus on educational data mining, where researcher Determining the Association of Student Performance in Academic and Co-Curriculum participation: A Case Study at SMK Seri Nilam. The purpose of this project is to finding any possible relationship between student's academic performances with their co-curriculum activities. As we all know, the co-curriculum activities in Malaysia is compulsory for every students. Since the activity is held after class time, which is in the evening, some issues have been raised by some parties, saying that co-curriculum activities is not relevant and can give a bad effect towards students' performance. Therefore, this research was made to find any possible correlation between both.

## PROBLEM STATEMENT

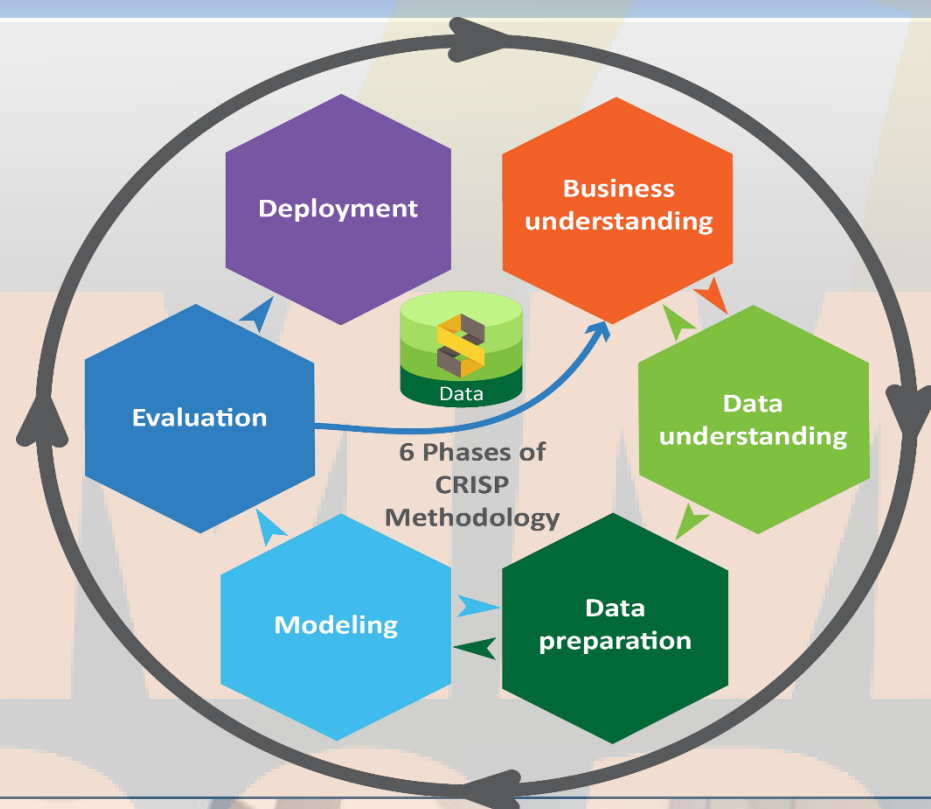
1. Parents complain that their children always lack of time because of co-curriculum activities.
2. Co-curriculum is one of the factor that lead to poor student's performance.

## OBJECTIVE

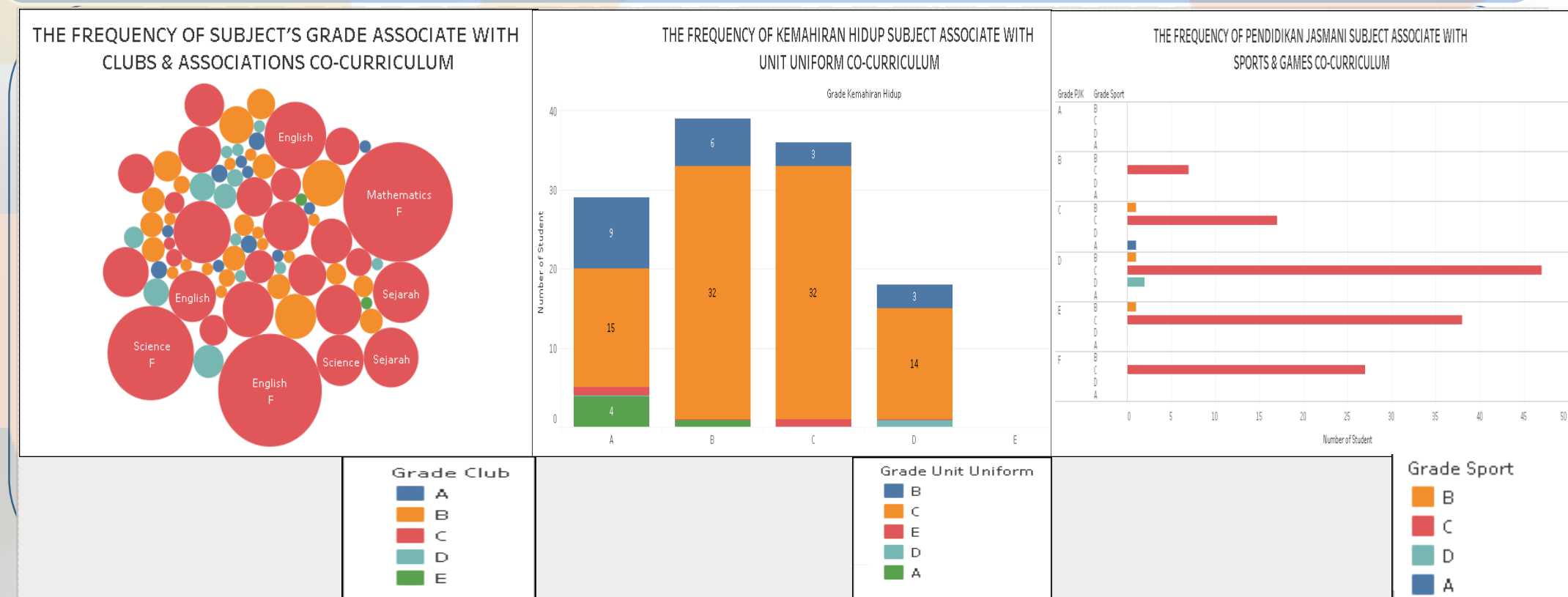
1. To identify the relevant attributes in the dataset collected from SMK Seri Nilam.
2. To explore the relationship between student's academic performance and co-curriculum activities.
3. To visualize the result based on the proposed model.

## METHODOLOGY

### CRISP-DM Model Process



## FINDINGS & RESULT



## BENEFITS

1. Teachers able to find the pattern of their student's co-curriculum and academic performance whether it is related to each other.
2. Help the teachers to realized about the importance of raw data which can be used to improve students performance in the early stage.
3. The data enables students and teachers to identify the best co-curriculum activities that match their needs, yet not affecting their performance in academic.

## NOVELTY

Determining student performance in academic and co-curriculum participation is the first research made for SMK Seri Nilam that help the teachers of that school find the solution for their doubtness towards the article that mentioning about co-curriculum affecting student's performance.

## COMMERCIALIZATION

- ❖ Give the ideas to the teachers about how to manage raw data in order to improve students performances.
- ❖ Realizing teachers about the importance of Educational Data Mining (EDM) to see the patterns of their students.
- ❖ Help teachers to plan future improvement.

## CONCLUSION

As conclusion, the results from this research get a positive feedback from the teachers of SMK Seri Nilam and will be use by the teachers to determine the best action need to be taken in future to increase the performance of the students in academic as well as in co-curriculum activities.