

1. Area of Interest:

- Educational Enrichment and Extracurricular Participation.

2. Business Understanding:

- Extracurricular activities are believed to contribute positively to student development and academic success. This project will examine the relationship between participation in extracurricular activities and student GPA.

3. Problem Statement:

- What is the impact of extracurricular activities, including sports, music, and volunteering, on students' academic performance and grade classification?

4. Objectives:

- Analyze the correlation between extracurricular participation and student GPA.
- Assess whether involvement in specific activities (e.g., sports, music) has a stronger impact on academic success.
- Provide recommendations for encouraging extracurricular participation to improve student outcomes.

5. Metrics of Success:

- Identification of extracurricular activities that most significantly contribute to higher GPAs.
- Improvement in GPA and grade classifications for students involved in extracurricular activities.
- Increased student participation in activities linked to academic success.

6. Data Source:

- The link to the data set is Rabie El Kharoua. (2024). 📄 Students Performance Dataset 📄 [Data set]. Kaggle. <https://doi.org/10.34740/KAGGLE/DS/5195702>