

General Overview

1. What is the distribution of GPA across different ages and grade levels?
2. How does gender influence academic performance and extracurricular involvement?

Demographic Analysis

3. What are the demographic profiles (age, gender, ethnicity) of students with high academic performance?
4. How does parental education level affect a student's GPA?

Educational Insights

5. Which factors (study time, tutoring, parental support) are strongly correlated with better academic outcomes?
6. What is the impact of absences on students' GPAs?

Extracurricular Activities

7. How do extracurricular activities, including sports, music, and volunteering, correlate with academic performance?
8. What percentage of high-performing students are involved in sports or music?

Intervention Analysis

9. Which students might benefit from increased tutoring or parental support based on their current performance?
10. Identify patterns of absenteeism and their correlation with academic performance.