

## **Analysis Summary**

In this analysis, we examined various metrics related to the performance of schools and students within a district. The data was organized and analyzed to gain insights into factors such as average scores, passing rates, and school performance based on size and type.

## **Key Findings**

1. Performance by Grade:
  - We examined the average math and reading scores for students in different grades across all schools.
  - Notably, there seems to be a consistent trend where math scores tend to be lower compared to reading scores across all grades.
2. Performance by School Size:
  - We categorized schools into small, medium, and large based on their total student count.
  - The analysis suggests that smaller schools tend to have higher average scores and passing rates compared to larger schools.
3. Performance by School Type:
  - Schools were categorized into district and charter types.
  - Charter schools outperform district schools in both math and reading scores as well as passing rates.

## **Conclusions**

1. Grade-Level Performance:
  - The data indicates a potential area of concern regarding math performance across all grade levels. Schools may need to focus more resources on improving math education to ensure students are well-prepared in this subject.
2. School Size and Performance:
  - Smaller schools appear to have an advantage in terms of academic performance. This suggests that smaller class sizes and more personalized attention may contribute to better student outcomes.
3. Impact of School Type:
  - Charter schools consistently outperform district schools. This raises questions about the differences in educational approaches and management styles between these two types of institutions, warranting further investigation.

By understanding these trends and patterns, stakeholders can make informed decisions to enhance the overall quality of education within the district.