

Analysis Report:

1 Introduction

The purpose of this report is to analyze the performance data of a group of schools to explore the correlation between the overall pass rate and expenditure, size and type of schools. Through this analysis, we can understand the possible impact of different factors on school performance and provide reference suggestions for school management.

2. Data analysis

2.1 Overall pass rate

Top-performing schools: Overall pass rates greater than 90% indicate that these schools have achieved significant results in education.

The worst-performing schools: with an overall pass rate of approximately 53%, exhibit lower educational standards.

2.2 The relationship between school expenditure and performance

The data shows a negative correlation between a school's per-pupil spending and overall pass rates. Schools with higher spending may not necessarily improve student performance and may need to review the specific uses of spending and resource allocation strategies.

2.3 Relationship between school size and performance

The overall passing rate of small and medium-sized schools is generally higher, probably because these schools are more likely to implement personalized education and improve students' learning motivation and effectiveness. Large schools may face management challenges and need to pay more attention to management effectiveness.

2.4 Relationship between school type and performance

Charter schools have higher overall passing rates, possibly because they have more flexibility in educational content and methods and are better able to meet student needs.