**Data Analysis- PySchools**

Two high level views that are presented by this data are the individual school summary and the summary of the district.

**High Level Data Analysis**

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| --- | --- |
| District | School |
| Overall math and reading performance of the district  Number of students passing either math or reading in the district  The amount of money spent on each school in the district | Math and reading performance for individual school  Number of students passing either math or reading for individual school  Data about low and high performing schools |

**Other detailed analysis**

A comparison between grade level performance for each school can be done using this data for both math and reading score and thus it can be checked that which grade level needs more help in either areas of study. Looking at the data for both math and reading, it is evident that there is a consistency in average scores year after year, thus not indicating a gap in resources/instructions from one year to another.

Another analysis that can be drawn from this data is that whether the type of the school has an impact on school performance. For example: Charter schools have a higher overall passing rate as compared to the district schools and charter school students are doing way better on math assessments as compared to district schools. Even though they are performing better in reading as well, but performance gap is even wider for math. Another interesting fact that could have been drawn from this data is that the overall budget of Charter schools is way higher than the district school, but at the same time individual student spending is not directly correlated to the performance, because looking at, ‘score by spending’ table indicates that schools, where the per student budget was between $0-$615, have shown better results than the schools where per student budget is higher than $615.

One of the criterion was to see if the school size has an impact on student performance, and grouping by size indicated that schools with small and medium school population performed fairly parallel, whereas as soon as the student population exceeded 2000 students, there was a big drop in overall passing rate and the performance was impacted in both math and reading assessments.