Pandas PyCitySchools Challenge Analysis:

Based on analyzing the schools\_complete.cvs and students\_complete.cvs files we can draw some conclusions.

The most striking finding was that smaller and medium sized schools performed substantially better on Math Scores. ~93% (Small and Medium) vs ~70% (Large). This has a huge impact on the overall passing percentage of ~90-91% (Small and Medium) vs ~58% (Large).

Graphical user interface

Description automatically generated

The second finding was that Charter Schools performed better than District Schools across the board with Math and Reading results. Alternative analysis would have to be performed to see if this again due to Charter Schools having smaller student bodies or because they have better teaching techniques or personalized attention to student needs.

Graphical user interface, text, website

Description automatically generated

Lastly Spending on Schools did not yield higher results for better funded schools. On the contrary schools with higher spending did worse across the board in both Reading and Math Scores. Throwing money at the problem of literacy and mathematics seems to be a non yielding idea.

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Description automatically generated with low confidence

The overall suggestion from this analysis is to make smaller schools vs better funded schools. Smaller schools tend to yield better results for students than better funding of schools based on this data set.