

Module 4 Challenge: Pandas

In this module we were asked to assume the role of Chief Data Scientist for a city's school district. We were tasked with helping the school board and mayor make strategic decisions regarding future school budgets and priorities. Having been given access to all student's math and reading scores, as well as other various information, we must aggregate the data to showcase obvious trends in school performance. The focus of this exercise was to use Pandas and Python while operating within Jupyter Notebook.

Conclusion and/or Comparisons:

By the end, you can conclude that Charter schools tend to produce better average test results. This may be attributed to the smaller class sizes they operate with.

The data also shows District schools, on average, had higher total school budgets. This shows no true positive correlation between money spent per student capita and student grades – in fact, it may show the adverse effect.