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UTSA Data-Science Bootcamp

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<center>Module 4 – Pandas Challenge</center>

1. During this Module 4 challenge the data provided established a basis of a list of students based on their respective schools and graded (math & reading) scores. The data was divided into types, the number of students in each school, every school's budget and its relevance to each student. The passing rates for math and reading provided a basis to establish the top performing schools divided by grade (9th, 10th, 11th & 12th). Two conclusions may be drawn from this data analysis.
   a. Conclusion 1: Each school shows performance relevant to the number of students in attendance. Schools with the highest attendance showed to perform worse (58% or above) than schools with medium-sized students in attendance. Which means high volume classrooms yield the least passing rates.
   b. Funding and performance go hand in hand. Charter schools show to have higher passing rates as high as 91.3% based on the student population. Compared to district schools with passing rates as low as 52.9%. Which means funding through targeted/charter schools yields the highest passing grades at the expense of public/district schools.