* **Overview of the school district analysis:** Explain the purpose of this analysis.

According to the school board, there is evidence of academic dishonesty with reading and math grades for Thomas High School ninth graders appear to have been altered. The purpose of the project is to analyze data provided by the school board before and after possible academic dishonesty, where the data for Thomas High School 9th grade has been kept for the purpose of analysis. Maria replaced Thomas High School's math and reading scores with NaN, while keeping the rest of the data intact. At the end of the analysis, Maria compared the data before and after making this change to draw conclusions.

* **Results:** Using bulleted lists and images of Data Frames as support, address the following questions.
  + How is the district summary affected?
* The total student decreased by 1.18% (461 students)
* The average math score decreased by 0.1(0.1%)
* The average reading score stays the same
* The passing score math decreased by 0.2 (0.27 % decrease)
* The passing score for reading decreased by 0.3 (0.35 % decreased)
* The overall passing grade at a district decreased by 0.3 (0.46%).
  + How is the school summary affected?
* Thomas High School’s % passing math decreased by 26.36 % (from 93.27% to 66.91%) and their % passing reading decreased by 27.65 % (from 97.31% to 69.66%).
* Thomas High School’s (THS) overall passing percent decreased from 90.95% to 65.08% (25.87% decreased) after removing 9th-grade testing results. THS ranking went from placing 2nd to 8th.
  + How does replacing the ninth-grade scores affect the following:
    - Math and reading scores by grade
    - Scores by school spending
    - THS was in the $630 to $644 spending range
    - overall passing percent decreased from 90.95% to 65.08% (25.87% decreased)
    - Scores by school size
    - Thomas High School is in the 1000 to 2000 range
    - % Passing math decreased by 6% (from 94% to 88%)
    - % Passing reading decreased by 6%(from 97% to 91%)
    - % Overall passing score decreased by 6% (from 91% to 85%)
    - Scores by school type

Scores by school type: Thomas High school, as it is a charter school, negatively affected the passing math percentage and passing reading percentage

% Passing math decreased 73% down to 67%

% Passing reading went from 84% down t 77%

% Overall went from 63% down to 56%

* **Summary:** Summarize four changes in the updated school district analysis after reading and math scores for the ninth grade at Thomas High School have been replaced with NaNs.
* In the updated school district analysis, the total number of students dropped by 1.18%. THS is now ranked 8th down from the 2nd position. By school type, the overall charter schools passing grades decreased by 7% (from 63% to 56%). For school sizes between the range of 1000 – 2000, the overall passing grade decreased by 6%.