Module 4: Pandas Challenge

Written Report

In reviewing the given data from the PyCitySchools Jupyter Notebook spreadsheet, I can confirm that there is not always a direct correlation between a school’s total budget and the academic performance of students. For example, if we look at the section titled “Highest-Performing Schools (by % Overall Passing), we can see that Wilson High School has a budget of 1.3 million dollars and an average math score of 83.2. and an average reading score of 83.9. However, Pena High School, with a total school budget of less than half of Wilson, at roughly 585 thousand dollars, has an average math score of 83.8 and an average reading score of 84. Obviously, based off these two swings, we can see that although a score may outperform another financially, the result, academically speaking, is not correlated.

In reviewing the “Scores by School Spending” section, we see that Baily High School outspent every school, with a total school budget of over 3 million dollars. However, the average math score for this high school was 77 and the average reading score was 81. These further cements the argument that a school’s budget is not always congruent with higher academic scores among its students.