Written Report and Cites:

In this challenge I am analyzing the district wide state standardized test scores. Through the math and reading results I have aggregated the data to show trends with school spending vs. testing scores as well as public vs charter schools. Below are just a few noticeable trends found.

On average charter schools have a much higher passing rate than district schools. Math scores are the lowest scores for the district schools. We can see that the schools with the medium to small number of students have a much higher passing rate than the larger schools with 2,000 or more students. The schools with the lower spending per student actually have a higher passing rate than the schools with higher spending per student.

As we can tell the amount spent on students does not represent the efficiency of those students. Also, the number of students per school does affect the average test results. Hopefully a report such as this will help the district understand the trends and make corrections to optimize school spending to raise the state standardized scores.

module 4 challenge sources: tutor Xolani, Xpert Learning Assistant, ask BCS(in slack). https://www.google.com/search?q=pd.cut+in+jupyter+notebook&sca\_esv=15a9157023f07e80&sca\_upv=1&biw=1536&bih=738&tbm=vid&sxsrf=ADLYWII9gY00oDw\_aJPHO7UK4uQRaQTSKQ%3A1720734298376&ei=WlKQZt3TFp\_ep84P-sy64Ag&oq=pd.cut+in+jupyter&gs\_lp=Eg1nd3Mtd2l6LXZpZGVvIhFwZC5jdXQgaW4ganVweXRlcioCCAAyBRAhGKABMgUQIRigATIFECEYoAFIjkNQ0AdYuDVwAXgAkAEAmAGfAqAB5A2qAQYxMi40LjG4AQHIAQD4AQGYAhKgAvwOqAIKwgIHECMYJxjqAsICCxAAGIAEGJECGIoFwgILEAAYgAQYsQMYgwHCAg4QABiABBixAxiDARiKBcICBRAAGIAEwgIKEAAYgAQYQxiKBcICCBAAGIAEGLEDwgILEAAYgAQYhgMYigXCAhAQABiABBixAxiDARgUGIcCwgIKEAAYgAQYFBiHAsICCBAAGIAEGKIEwgIGEAAYFhgewgIFECEYqwKYAxaSBwU5LjguMaAHvWE&sclient=gws-wiz-video#fpstate=ive&vld=cid:24fdc240,vid:C5SdqegjrE8,st:0