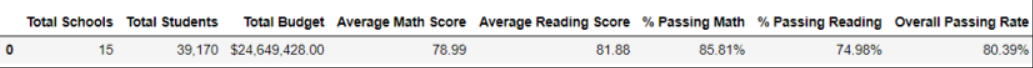
**Assignment – Python Pandas**

**Academy of Py**

Some insights from the charts:

DISTRICT SUMMARY



In the District, students have a higher percentage passing Math than Reading.

SCHOOL SUMMARY

|  | **School Type** | **Total Students** | **Total School  Budget** | **Per Student Budget** | **Average Math Score** | **Average Reading Score** | **% Passing Math** | **% Passing Reading** | **% Overall  Passing**  **Rate** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Huang High School** | District | 2,917 | $1,910,635.00 | $655.00 | 76.63 | 81.18 | 65.68% | 81.32% | 73.50% |
| **Figueroa High School** | District | 2,949 | $1,884,411.00 | $639.00 | 76.71 | 81.16 | 65.99% | 80.74% | 73.36% |
| **Shelton High School** | Charter | 1,761 | $1,056,600.00 | $600.00 | 83.36 | 83.73 | 93.87% | 95.85% | 94.86% |
| **Hernandez High School** | District | 4,635 | $3,022,020.00 | $652.00 | 77.29 | 80.93 | 66.75% | 80.86% | 73.81% |
| **Griffin High School** | Charter | 1,468 | $917,500.00 | $625.00 | 83.35 | 83.82 | 93.39% | 97.14% | 95.27% |
| **Wilson High School** | Charter | 2,283 | $1,319,574.00 | $578.00 | 83.27 | 83.99 | 93.87% | 96.54% | 95.20% |
| **Cabrera High School** | Charter | 1,858 | $1,081,356.00 | $582.00 | 83.06 | 83.98 | 94.13% | 97.04% | 95.59% |
| **Bailey High School** | District | 4,976 | $3,124,928.00 | $628.00 | 77.05 | 81.03 | 66.68% | 81.93% | 74.31% |
| **Holden High School** | Charter | 427 | $248,087.00 | $581.00 | 83.80 | 83.81 | 92.51% | 96.25% | 94.38% |
| **Pena High School** | Charter | 962 | $585,858.00 | $609.00 | 83.84 | 84.04 | 94.59% | 95.95% | 95.27% |
| **Wright High School** | Charter | 1,800 | $1,049,400.00 | $583.00 | 83.68 | 83.95 | 93.33% | 96.61% | 94.97% |
| **Rodriguez High School** | District | 3,999 | $2,547,363.00 | $637.00 | 76.84 | 80.74 | 66.37% | 80.22% | 73.29% |
| **Johnson High School** | District | 4,761 | $3,094,650.00 | $650.00 | 77.07 | 80.97 | 66.06% | 81.22% | 73.64% |
| **Ford High School** | District | 2,739 | $1,763,916.00 | $644.00 | 77.10 | 80.75 | 68.31% | 79.30% | 73.80% |
| **Thomas High School** | Charter | 1,635 | $1,043,130.00 | $638.00 | 83.42 | 83.85 | 93.27% | 97.31% | 95.29% |

Over all, the schools, which received more money for spending like Johnson High School , are the ones whit more attendance (the student size of Johnson is 4,761.

TOP PERFORMING SUMMARY

| **name** | **School Type** | **Total Students** | **Total School  Budget** | **Per Student Budget** | **Average Math Score** | **Average Reading Score** | **% Passing Math** | **% Passing Reading** | **% Overall  Passing**  **Rate** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cabrera High School** | Charter | 1,858 | $1,081,356.00 | $582.00 | 83.06 | 83.98 | 94.13% | 97.04% | 95.59% |
| **Thomas High School** | Charter | 1,635 | $1,043,130.00 | $638.00 | 83.42 | 83.85 | 93.27% | 97.31% | 95.29% |
| **Griffin High School** | Charter | 1,468 | $917,500.00 | $625.00 | 83.35 | 83.82 | 93.39% | 97.14% | 95.27% |
| **Pena High School** | Charter | 962 | $585,858.00 | $609.00 | 83.84 | 84.04 | 94.59% | 95.95% | 95.27% |
| **Wilson High School** | Charter | 2,283 | $1,319,574.00 | $578.00 | 83.27 | 83.99 | 93.87% | 96.54% | 95.20% |

The Top performing schools are Charter schools. A charter school receives government funding but operates independently of the established state school system in which it is located, and in some cases is privately owned. And this trend is corroborated in

PERFORMANCE BASED ON SCHOOL TYPE

| **School Type** | **Average Math Score** | **Average Reading Score** | **% Passing Math** | **% Passing Reading** | **% Overall Passing Rate** |
| --- | --- | --- | --- | --- | --- |
| **Charter** | 83.473852 | 83.896421 | 93.620830 | 96.586489 | 95.103660 |
| **District** | 76.956733 | 80.966636 | 66.548453 | 80.799062 | 73.673757 |

PERFORMAMCE BASED UPON SCHOOL BUDGET

|  | **Average Math Score** | **Average Reading Score** | **% Passing Math** | **% Passing Reading** | **% Overall Passing Rate** |
| --- | --- | --- | --- | --- | --- |
| **Spending Ranges (Per Student)** |  |  |  |  |  |
| **<$585** | 83.455399 | 83.933814 | 93.460096 | 96.610877 | 95.035486 |
| **$585-615** | 83.599686 | 83.885211 | 94.230858 | 95.900287 | 95.065572 |
| **$615-645** | 79.079225 | 81.891436 | 75.668212 | 86.106569 | 80.887391 |
| **$645-675** | 76.997210 | 81.027843 | 66.164813 | 81.133951 | 73.649382 |

We can notice that Schools where spending per student is less than $615.00, perform better in Reading and Math.