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June 3rd, 2020

Py City Schools Homework

Data Driven Conclusions:

1. Charter Schools have significantly higher passing percentages in both reading and math than District Schools:

A screenshot of a cell phone

Description automatically generated

1. The top 5 performing schools are all charter schools and the bottom 5 performing schools are all District Schools:

**Top 5 Performing Schools:**

|  | **Type** | **Total Students** | **Total School Budget** | **Per Student Budget** | **Average Math Score** | **Average Reading Score** | **% Passed Math** | **% Passed Reading** | **% Passed Both** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **school\_name** |  |  |  |  |  |  |  |  |  |
| **Cabrera High School** | Charter | 1858 | $1,081,356.00 | $582.00 | 83.0619 | 83.9758 | 94.1335 | 97.0398 | 91.3348 |
| **Thomas High School** | Charter | 1635 | $1,043,130.00 | $638.00 | 83.4183 | 83.8489 | 93.2722 | 97.3089 | 90.948 |
| **Griffin High School** | Charter | 1468 | $917,500.00 | $625.00 | 83.3515 | 83.8168 | 93.3924 | 97.139 | 90.5995 |
| **Wilson High School** | Charter | 2283 | $1,319,574.00 | $578.00 | 83.2742 | 83.9895 | 93.8677 | 96.5396 | 90.5826 |
| **Pena High School** | Charter | 962 | $585,858.00 | $609.00 | 83.8399 | 84.0447 | 94.5946 | 95.9459 | 90.5405 |

**Bottom 5 Performing Schools:**

|  | **Type** | **Total Students** | **Total School Budget** | **Per Student Budget** | **Average Math Score** | **Average Reading Score** | **% Passed Math** | **% Passed Reading** | **% Passed Both** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **school\_name** |  |  |  |  |  |  |  |  |  |
| **Rodriguez High School** | District | 3999 | $2,547,363.00 | $637.00 | 76.8427 | 80.7447 | 66.3666 | 80.2201 | 52.9882 |
| **Figueroa High School** | District | 2949 | $1,884,411.00 | $639.00 | 76.7118 | 81.158 | 65.9885 | 80.7392 | 53.2045 |
| **Huang High School** | District | 2917 | $1,910,635.00 | $655.00 | 76.6294 | 81.1827 | 65.6839 | 81.3164 | 53.5139 |
| **Hernandez High School** | District | 4635 | $3,022,020.00 | $652.00 | 77.2898 | 80.9344 | 66.753 | 80.863 | 53.5275 |
| **Johnson High School** | District | 4761 | $3,094,650.00 | $650.00 | 77.0725 | 80.9664 | 66.0576 | 81.2224 | 53.5392 |

1. At any given school, the percentage of students passing in reading, math or both does not vary significantly by grade level. (See next page for data tables:

**Percent Passing Math by School and Grade Level:**

|  | **9th** | **10th** | **11th** | **12th** |
| --- | --- | --- | --- | --- |
| **school\_name** |  |  |  |  |
| **Bailey High School** | 77.083676 | 76.996772 | 77.515588 | 76.492218 |
| **Cabrera High School** | 83.094697 | 83.154506 | 82.765560 | 83.277487 |
| **Figueroa High School** | 76.403037 | 76.539974 | 76.884344 | 77.151369 |
| **Ford High School** | 77.361345 | 77.672316 | 76.918058 | 76.179963 |
| **Griffin High School** | 82.044010 | 84.229064 | 83.842105 | 83.356164 |
| **Hernandez High School** | 77.438495 | 77.337408 | 77.136029 | 77.186567 |
| **Holden High School** | 83.787402 | 83.429825 | 85.000000 | 82.855422 |
| **Huang High School** | 77.027251 | 75.908735 | 76.446602 | 77.225641 |
| **Johnson High School** | 77.187857 | 76.691117 | 77.491653 | 76.863248 |
| **Pena High School** | 83.625455 | 83.372000 | 84.328125 | 84.121547 |
| **Rodriguez High School** | 76.859966 | 76.612500 | 76.395626 | 77.690748 |
| **Shelton High School** | 83.420755 | 82.917411 | 83.383495 | 83.778976 |
| **Thomas High School** | 83.590022 | 83.087886 | 83.498795 | 83.497041 |
| **Wilson High School** | 83.085578 | 83.724422 | 83.195326 | 83.035794 |
| **Wright High School** | 83.264706 | 84.010288 | 83.836782 | 83.644986 |

**Percent Passing Reading by School and Grade Level:**

|  | **9th** | **10th** | **11th** | **12th** |
| --- | --- | --- | --- | --- |
| **school\_name** |  |  |  |  |
| **Bailey High School** | 81.303155 | 80.907183 | 80.945643 | 80.912451 |
| **Cabrera High School** | 83.676136 | 84.253219 | 83.788382 | 84.287958 |
| **Figueroa High School** | 81.198598 | 81.408912 | 80.640339 | 81.384863 |
| **Ford High School** | 80.632653 | 81.262712 | 80.403642 | 80.662338 |
| **Griffin High School** | 83.369193 | 83.706897 | 84.288089 | 84.013699 |
| **Hernandez High School** | 80.866860 | 80.660147 | 81.396140 | 80.857143 |
| **Holden High School** | 83.677165 | 83.324561 | 83.815534 | 84.698795 |
| **Huang High School** | 81.290284 | 81.512386 | 81.417476 | 80.305983 |
| **Johnson High School** | 81.260714 | 80.773431 | 80.616027 | 81.227564 |
| **Pena High School** | 83.807273 | 83.612000 | 84.335938 | 84.591160 |
| **Rodriguez High School** | 80.993127 | 80.629808 | 80.864811 | 80.376426 |
| **Shelton High School** | 84.122642 | 83.441964 | 84.373786 | 82.781671 |
| **Thomas High School** | 83.728850 | 84.254157 | 83.585542 | 83.831361 |
| **Wilson High School** | 83.939778 | 84.021452 | 83.764608 | 84.317673 |
| **Wright High School** | 83.833333 | 83.812757 | 84.156322 | 84.073171 |