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There are two aspects of the data analysis that are worth noting. Budget per student is not a driving factor. This is evident in the data table attached. However, school type (District or Charter) and school size (Small, Medium, Large) do show correlations with outcomes based on scores and passing rates.

| **School** | **Type** | **Size** | **Budget** | **Reading** | **Reading\_**  **Avg** | **Math** | **Math\_Avg** | **Reading**  **%** | **Math%** | **budget/**  **student** | **composite** | **efficiency** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Huang High School | District | 2917 | 1910635 | 2917 | 81.182722 | 2592 | 76.629414 | 100.0 | 88.858416 | 655.0 | 144.429208 | 0.220503 |
| Figueroa High School | District | 2949 | 1884411 | 2949 | 81.158020 | 2608 | 76.711767 | 100.0 | 88.436758 | 639.0 | 144.218379 | 0.225694 |
| Shelton High School | Charter | 1761 | 1056600 | 1761 | 83.725724 | 1761 | 83.359455 | 100.0 | 100.000000 | 600.0 | 150.000000 | 0.250000 |
| Hernandez High School | District | 4635 | 3022020 | 4635 | 80.934412 | 4129 | 77.289752 | 100.0 | 89.083064 | 652.0 | 144.541532 | 0.221689 |
| Griffin High School | Charter | 1468 | 917500 | 1468 | 83.816757 | 1468 | 83.351499 | 100.0 | 100.000000 | 625.0 | 150.000000 | 0.240000 |
| Wilson High School | Charter | 2283 | 1319574 | 2283 | 83.989488 | 2283 | 83.274201 | 100.0 | 100.000000 | 578.0 | 150.000000 | 0.259516 |
| Cabrera High School | Charter | 1858 | 1081356 | 1858 | 83.975780 | 1858 | 83.061895 | 100.0 | 100.000000 | 582.0 | 150.000000 | 0.257732 |
| Bailey High School | District | 4976 | 3124928 | 4976 | 81.033963 | 4455 | 77.048432 | 100.0 | 89.529743 | 628.0 | 144.764871 | 0.230517 |
| Holden High School | Charter | 427 | 248087 | 427 | 83.814988 | 427 | 83.803279 | 100.0 | 100.000000 | 581.0 | 150.000000 | 0.258176 |
| Pena High School | Charter | 962 | 585858 | 962 | 84.044699 | 962 | 83.839917 | 100.0 | 100.000000 | 609.0 | 150.000000 | 0.246305 |
| Wright High School | Charter | 1800 | 1049400 | 1800 | 83.955000 | 1800 | 83.682222 | 100.0 | 100.000000 | 583.0 | 150.000000 | 0.257290 |
| Rodriguez High School | District | 3999 | 2547363 | 3999 | 80.744686 | 3541 | 76.842711 | 100.0 | 88.547137 | 637.0 | 144.273568 | 0.226489 |
| Johnson High School | District | 4761 | 3094650 | 4761 | 80.966394 | 4246 | 77.072464 | 100.0 | 89.182945 | 650.0 | 144.591472 | 0.222448 |
| Ford High School | District | 2739 | 1763916 | 2739 | 80.746258 | 2446 | 77.102592 | 100.0 | 89.302665 | 644.0 | 144.651333 | 0.224614 |
| Thomas High School | Charter | 1635 | 1043130 | 1635 | 83.848930 | 1635 | 83.418349 | 100.0 | 100.000000 | 638.0 | 150.000000 | 0.235110 |

School size is a driving factor in student success as measured by test scores for math and reading. This is largely due to the small schools success in math education, which is where the largest disparity is found.

|  | **Math Average** | **Math Pass Rate** | **Reading Average** | **Reading Pass Rate** | **Overall Pass Rate** |
| --- | --- | --- | --- | --- | --- |
| **School Size** |  |  |  |  |  |
| **Small** | 83.575787 | 100.000000 | 83.867683 | 100.0 | 150.000000 |
| **Medium** | 79.355974 | 93.319568 | 82.210453 | 100.0 | 146.659784 |
| **Large** | 77.063340 | 89.085722 | 80.919864 | 100.0 | 144.542861 |

In contrast to school size, budget per student is not a contributing factor in student success, as shown below.

|  | **Math**  **Average** | **Math**  **Pass Rate** | **Reading**  **Average** | **Reading**  **Pass Rate** | **Overall**  **Pass Rate** |
| --- | --- | --- | --- | --- | --- |
| **Budget Band** |  |  |  |  |  |
| **Low** | 83.664898 | 100.000000 | 83.892148 | 100.0 | 150.000000 |
| **Below Avg** | 83.359224 | 100.000000 | 83.898984 | 100.0 | 150.000000 |
| **Above Avg** | 76.821621 | 88.786244 | 80.957921 | 100.0 | 144.393122 |
| **High** | 77.136883 | 89.265250 | 80.978256 | 100.0 | 144.632625 |

The most telling predictor of student success (as measured by test scores), is school type. Charter schools comprise all of the top 5 schools by test scores. District schools are the bottom five as shown in the next two tables.

| **School** | **Type** | **Size** | | **Budget** | **Reading** | **Reading\_**  **Avg** | **Math** | **Math\_**  **Avg** | **Reading%** | | **Math%** | **budget/**  **student** | | **Comp.** | | | **efficiency** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Shelton High School | Charter | 1761 | 1056600 | | 1761 | 83.725724 | 1761 | 83.359455 | | 100.0 | 100.0 | | 600.0 | | 150.0 | | | 0.250000 |
| Griffin  High  School | Charter | 1468 | | 917500 | 1468 | 83.816757 | 1468 | 83.351499 | | 100.0 | 100.0 | | 625.0 | | | 150.0 | | 0.240000 |
| Wilson  High  School | Charter | 2283 | | 1319574 | 2283 | 83.989488 | 2283 | 83.274201 | | 100.0 | 100.0 | | 578.0 | | | 150.0 | | 0.259516 |
| Cabrera High  School | Charter | 1858 | | 1081356 | 1858 | 83.975780 | 1858 | 83.061895 | | 100.0 | 100.0 | | 582.0 | | | 150.0 | | 0.257732 |
| Holden  High  School | Charter | 427 | | 248087 | 427 | 83.814988 | 427 | 83.803279 | | 100.0 | 100.0 | | 581.0 | | | 150.0 | | 0.258176 |

Schools in the bottom five for performance are all district schools (not charter) with larger student populations.

| **School** | **Type** | **Size** | | **Budget** | | **Reading** | | **Reading**  **Avg** | | **Math** | | **Math**  **Avg** | **Reading%** | **Math%** | **budget/**  **student** | | **Comp.** | **efficiency** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Figueroa High School | District | | 2949 | | 1884411 | | 2949 | | 81.158020 | | 2608 | 76.711767 | 100.0 | 88.436758 | | 639.0 | 144.218379 | 0.225694 | |
| Rodriguez High School | District | | 3999 | | 2547363 | | 3999 | | 80.744686 | | 3541 | 76.842711 | 100.0 | 88.547137 | | 637.0 | 144.273568 | | 0.226489 |
| Huang High School | District | | 2917 | | 1910635 | | 2917 | | 81.182722 | | 2592 | 76.629414 | 100.0 | 88.858416 | | 655.0 | 144.429208 | | 0.220503 |
| Hernandez High School | District | | 4635 | | 3022020 | | 4635 | | 80.934412 | | 4129 | 77.289752 | 100.0 | 89.083064 | | 652.0 | 144.541532 | | 0.221689 |
| Johnson High School | District | | 4761 | | 3094650 | | 4761 | | 80.966394 | | 4246 | 77.072464 | 100.0 | 89.182945 | | 650.0 | 144.591472 | | 0.222448 |