

HW4 sample results

Notebook: BOOT CAMP Homeworks

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DISTRICT SUMMARY:

Out[39]:

| | Total Schools | Total Students | Total Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|---|---------------|----------------|-----------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| 0 | 11 | 27,712 | \$17,702,929.00 | 82.164802 | 82.190279 | 83.689376 | 75.187644 | 82.17754 |

SCHOOL SUMMARY:

Out[40]:

| | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|-----------------------|-------------|----------------|---------------------|--------------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| Farmer High School | District | 3429 | \$3,429.00 | \$652.00 | 81.594051 | 77.017498 | 81.160688 | 64.333625 | 72.747157 |
| Floyd High School | Charter | 2104 | \$2,104.00 | \$582.00 | 83.028042 | 93.966255 | 90.304183 | 100.000000 | 95.152091 |
| Greene High School | District | 4690 | \$4,690.00 | \$653.00 | 81.695522 | 76.807463 | 81.044776 | 63.944563 | 72.494670 |
| Hood High School | Charter | 930 | \$930.00 | \$622.00 | 83.574194 | 94.077419 | 89.354839 | 100.000000 | 94.677419 |
| Long High School | Charter | 628 | \$628.00 | \$587.00 | 83.068471 | 93.810510 | 89.171975 | 100.000000 | 94.585987 |
| Lopez High School | District | 3428 | \$3,428.00 | \$656.00 | 81.725788 | 76.875146 | 81.096849 | 64.498250 | 72.797550 |
| Patterson High School | District | 4389 | \$4,389.00 | \$658.00 | 81.481431 | 76.644566 | 80.428344 | 63.249032 | 71.838688 |
| Stewart High School | Charter | 1208 | \$1,208.00 | \$613.00 | 83.774007 | 94.120033 | 91.142384 | 100.000000 | 95.571192 |
| Thompson High School | Charter | 1353 | \$1,353.00 | \$620.00 | 83.515891 | 94.115299 | 91.278640 | 100.000000 | 95.639320 |
| Vargas High School | Charter | 2479 | \$2,479.00 | \$635.00 | 83.576442 | 93.961678 | 90.480032 | 100.000000 | 95.240016 |
| Webb High School | District | 3074 | \$3,074.00 | \$632.00 | 81.415420 | 76.558230 | 78.985036 | 63.175016 | 71.080026 |

Top Performing Schools (By Passing Rate)

In [41]:

Out[41]:

| | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|----------------------|-------------|----------------|---------------------|--------------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| Thompson High School | Charter | 1353 | \$1,353.00 | \$620.00 | 83.515891 | 94.115299 | 91.278640 | 100.0 | 95.639320 |
| Stewart High School | Charter | 1208 | \$1,208.00 | \$613.00 | 83.774007 | 94.120033 | 91.142384 | 100.0 | 95.571192 |
| Vargas High School | Charter | 2479 | \$2,479.00 | \$635.00 | 83.576442 | 93.961678 | 90.480032 | 100.0 | 95.240016 |
| Floyd High School | Charter | 2104 | \$2,104.00 | \$582.00 | 83.028042 | 93.966255 | 90.304183 | 100.0 | 95.152091 |
| Hood High School | Charter | 930 | \$930.00 | \$622.00 | 83.574194 | 94.077419 | 89.354839 | 100.0 | 94.677419 |

Bottom Performing Schools (By Passing Rate)

Out[42]:

| | School Type | Total Students | Total School Budget | Per Student Budget | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|-----------------------|-------------|----------------|---------------------|--------------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| Webb High School | District | 3074 | \$3,074.00 | \$632.00 | 81.415420 | 76.558230 | 78.985036 | 63.175016 | 71.080026 |
| Patterson High School | District | 4389 | \$4,389.00 | \$658.00 | 81.481431 | 76.644566 | 80.428344 | 63.249032 | 71.838688 |
| Greene High School | District | 4690 | \$4,690.00 | \$653.00 | 81.695522 | 76.807463 | 81.044776 | 63.944563 | 72.494670 |
| Farmer High School | District | 3429 | \$3,429.00 | \$652.00 | 81.594051 | 77.017498 | 81.160688 | 64.333625 | 72.747157 |
| Lopez High School | District | 3428 | \$3,428.00 | \$656.00 | 81.725788 | 76.875146 | 81.096849 | 64.498250 | 72.797550 |

Math Scores by Grade:

Out[43]:

| | 9th | 10th | 11th | 12th |
|-----------------------|-----------|-----------|-----------|-----------|
| Farmer High School | 82.016704 | 81.556962 | 81.430851 | 81.303191 |
| Floyd High School | 83.216981 | 82.911972 | 82.986434 | 83.002041 |
| Greene High School | 81.614241 | 80.940242 | 82.149020 | 82.293458 |
| Hood High School | 84.632911 | 83.254125 | 83.777228 | 82.537234 |
| Long High School | 83.763158 | 81.970060 | 84.052632 | 82.611465 |
| Lopez High School | 82.011494 | 81.554985 | 81.524057 | 81.791495 |
| Patterson High School | 81.156846 | 81.797034 | 81.576271 | 81.374348 |
| Stewart High School | 83.750000 | 84.240132 | 83.346614 | 83.685121 |
| Thompson High School | 83.377095 | 83.132791 | 83.831126 | 83.811728 |
| Vargas High School | 83.813918 | 83.087912 | 83.396414 | 84.068027 |
| Webb High School | 81.058824 | 81.468439 | 81.349254 | 81.854790 |

Reading Score by Grade

Out[44]:

| | 9th | 10th | 11th | 12th |
|-----------------------|-----------|-----------|-----------|-----------|
| Farmer High School | 77.700445 | 76.520935 | 76.553191 | 77.344415 |
| Floyd High School | 93.933962 | 93.859155 | 93.955426 | 94.136735 |
| Greene High School | 77.118936 | 76.895613 | 76.508824 | 76.611215 |
| Hood High School | 94.320675 | 94.099010 | 94.108911 | 93.702128 |
| Long High School | 93.789474 | 93.532934 | 94.032895 | 93.910828 |
| Lopez High School | 76.580982 | 77.644399 | 77.697009 | 75.367627 |
| Patterson High School | 76.660581 | 76.145980 | 76.820975 | 77.116788 |
| Stewart High School | 94.186813 | 94.171053 | 93.896414 | 94.176471 |
| Thompson High School | 94.136872 | 94.252033 | 93.930464 | 94.108025 |
| Vargas High School | 93.922844 | 93.943681 | 94.009960 | 93.986395 |
| Webb High School | 76.165666 | 76.706534 | 77.198507 | 76.205090 |

Scores by School Spending

Out[45]:

| | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|-------------------------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| Spending Ranges (Per Student) | | | | | |
| <\$585 | 83.028042 | 93.966255 | 90.304183 | 100.000000 | 88.497148 |
| \$585-615 | 83.421239 | 93.965271 | 90.157179 | 100.000000 | 88.693255 |
| \$615-645 | 83.020486 | 89.678157 | 87.524637 | 90.793754 | 86.349322 |
| \$645-675 | 81.624198 | 76.836168 | 80.932664 | 64.006367 | 79.230183 |

Scores by School Size

Out[46]:

| | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|--------------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| School Size | | | | | |
| Small (<1000) | 83.321332 | 93.943964 | 89.263407 | 100.000000 | 94.631703 |
| Medium (1000-2000) | 83.644949 | 94.117666 | 91.210512 | 100.000000 | 95.605256 |
| Large (2000-5000) | 82.073814 | 81.690119 | 83.357130 | 74.171498 | 78.764314 |

Scores by School Type

Out[47]:

| | Average Math Score | Average Reading Score | % Passing Math | % Passing Reading | % Overall Passing Rate |
|-------------|--------------------|-----------------------|----------------|-------------------|------------------------|
| School Type | | | | | |
| Charter | 83.422841 | 94.008532 | 90.288675 | 100.000000 | 95.144338 |
| District | 81.582442 | 76.780581 | 80.543139 | 63.840097 | 72.191618 |