***PySchool – Results Report and analysis***

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**Performance of Schools based in size**

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| --- | --- | --- | --- | --- | --- |
| Rank School Size | Average Math Score | Average Reading Score | % Passing Math | % Passing Read | Overall Passing Rate |
| S:426-1,698 | 83.603261 | 83.881343 | 93.441248 | 96.661677 | 95.051462 |
| M:1,699-2,283 | 83.344443 | 83.911498 | 93.800412 | 96.511302 | 95.155857 |
| L:2,284-3,474 | 76.814591 | 81.029000 | 66.660665 | 80.451556 | 73.556111 |
| VL:3,475-4,976 | 77.063340 | 80.919864 | 66.464293 | 81.059691 | 73.761992 |

We have analyzed schools by size considering 4 groups, each of one has 25% of schools. What we observe is that school of medium and small size perform better (less than 2,283 students) than large schools. This performance is very similar in math than in reading. Average score is significantly higher than larger schools.

This can be explained because smaller schools can dedicate more effort and time to its students and this get more focused education and advising. When schools are larger resources are not enough, so students perform below expected.

**Performance of Schools based on its type**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of School | Average Math Score | Average Reading Score | % Passing Math | % Passing Read | Overall Passing Rate |
| Charter | 83.406183 | 83.902821 | 93.701821 | 96.645891 | 95.173856 |
| District | 76.987026 | 80.962485 | 66.518387 | 80.905249 | 73.711818 |

We have analyzed schools by type considering 2 types: charter and district. We observe that charter schools perform better compared with district schools. This performance is higher in math and in reading. Passing reading rate is higher than passing math rate in both type, by again, charter has higher rates.

The performance can be explained since charter schools act with freedom, which means they can decide what programs apply and how to use the budget. It is proved that policies applied get better results than non-flexible schools (district).

**Budget per Student vs. Performance**

If we compare the schools with higher performance vs schools with lower performance, we could observe that the budget per student doesn’t behave as it would have been expected. You could expect that trend would be: higher budget per student then higher performance, but the relation in negative or inverse. Lower budget is related with higher performance.

The real explanation to this is not that schools must get lower budget to perform better, but it is related on how schools focus this budget on effective plans to derive on good performing students. Charters schools perform better with lower budget, because they really focus this budget efficiently, District schools have a bigger budget per student and as a whole, but they are not knowing how to use it well. District schools must make so benchmark and take the best practices of charters schools to improve the performance of its students.