Written Report- PyCity Schools

(University of Toronto Bootcamp)

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<u>**OVERVIEW**</u>

In this assignment, I used pandas and Jupiter notebook to analyze provided data set.

<u>**CONCLUSION**</u>

1. In figure 1, it was evident that **Charter School** types students has an overall passing of 62.75% passing rate compared to **District School's** at overall passing 37.24 %.

School type	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
Charter	83.473852	83.896421	93.620830	96.586489	90.432244
District	76.956733	80.966636	66.548453	80.799062	53.672208

2. In figure 2, it was evident that Schools with funding range less than "**$ 585**" has the highest overall passing rate of 31.35 % followed by **"$585- $ 630"** at passing rate of 28.25 %.

Spending Ranges (Per Student)	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
<$585	83.455399	83.933814	93.460096	96.610877	90.369459
$585-630	81.899826	83.155286	87.133538	92.718205	81.418596
$630-645	78.518855	81.624473	73.484209	84.391793	62.857656
$645-680	76.997210	81.027843	66.164813	81.133951	53.526855

3) In figure 3, it is evident that Schools with highest number of students has the least overall passing rate of 24 %.

School Size	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing
Small (<1000)	83.821598	83.929843	93.550225	96.099437	89.883853
Medium (1000-2000)	83.374684	83.864438	93.599695	96.790680	90.621535
Large (2000-5000)	77.746417	81.344493	69.963361	82.766634	58.286003