Analysis Report for Schools

The analyzed DataFrame containing the budget relationship of several schools with the number of students in different grades, focused on the subjects: mathematics and reading. By comparing the information during the analysis, several conclusions were reached, such as those that will be presented below.

Conclusions:

- ✓ Not always the schools with the best budget are the best ones to learn, check the table below that shows the schools with less spending per Student have better grades and passing average. For the schools with higher budgets there is a high probability that the money is not being invested appropriately to improve student learning.

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

- ✓ If the school has less than 2000 students the average passing is better than the large schools, this might be due to the students having more attention in smaller groups.

School Size	Average Math Scoree	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

- ✓ The reading subject is easier than mathematics according to the information obtained during the analysis. See the table below.

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

Elizabeth Viramontes
05/16/2024