School Tibble

Instructions

- In this activity, we return again to the PySchools homework assignment, this time in R.

Part I

- Create a tibble: it will be a summary of statistics for each school:

type <chr>	school_name <chr>	Avg.Reading.Score <dbl>	Avg.Math.Score <dbl>	Total.Students <int>
Charter	Cabrera High School	83.97578	83.06189	1858
Charter	Griffin High School	83.81676	83.35150	1468
Charter	Holden High School	83.81499	83.80328	427
Charter	Pena High School	84.04470	83.83992	962
Charter	Shelton High School	83.72572	83.35945	1761
Charter	Thomas High School	83.84893	83.41835	1635
Charter	Wilson High School	83.98949	83.27420	2283
Charter	Wright High School	83.95500	83.68222	1800
District	Bailey High School	81.03396	77.04843	4976
District	Figueroa High School	81.15802	76.71177	2949

Part II

- If time allows, create a tibble that is a district-wide summary of schools:

Total.Schools <int>	Total.Students <int>	Total.Budget <dbl>	Avg.Math <dbl>	Avg.Reading <dbl>	Percent.Passing.Math <dbl>
15	39170	24649428	81.87784	78.98537	82.97166

- Most of the calculations have already been performed for you in the Rmd file. Your task is to assemble a new tibble with this information.

```r
paste("School count: ", school_count)
paste("Student count: ", student_count)
paste("Total budget: ", total_budget)
paste("Average reading score: ", mean_reading_score)
paste("Average math score: ", mean_math_score)
paste("% passing reading: ", percentage_passing_reading)
paste("% passing math: ", percentage_passing_math)
paste("Overall passing rate: ", overall_passing_rate)
```

```
[1] "School count:  15"
[1] "Student count:  39170"
[1] "Total budget:  24649428"
[1] "Average reading score:  81.8778401838141"
[1] "Average math score:  78.9853714577483"
[1] "% passing reading:  82.9716619862139"
[1] "% passing math:  72.3921368394179"
[1] "Overall passing rate:  77.6818994128159"
```

Hints

- How to perform a left join in R: https://stackoverflow.com/questions/37235759/how-to-do-left-join-in-r
- How to convert data types:

https://stackoverflow.com/questions/2288485/how-to-convert-a-data-frame-column-to-numeric-type