4.8.3 Get the Budget Per Student

Next to the Total Students column, Maria wants you to add the budget per student for each school. First you'll need to get the budget for each school and then divide by the total students per school, which you already calculated as `per_school_counts`.

In order to find the budget per student for each school, we [need to divide the budget for each school by the number of students at each school.

If we look at the `school_data_df` DataFrame. The budget for each school is listed in the `budget` column.

REWIND

We can use the `set_index()` method on the `school_name` column of the `school_data_df` DataFrame to get the `school_name` as the index, like we did when we calculated the total students from

each school, with `school_data_df.set_index(["school_name"])["size"]`.

Add the following code to a new cell and run the cell.

```
# Calculate the total school budget.
per_school_budget = school_data_df.set_index(["school_name"])["budget"]
per_school_budget
```

After we execute this code for the `per_school_budget`, the results should look like this:

The data type for the `budget` column is `int64`, which is suitable for calculations that we need to perform in order to find the budget per student.

To get the budget per student, we'll divide the `per_school_budget` by the `per_school_counts`.

Add the following code to a new cell and run the cell.

```
# Calculate the per capita spending.
per_school_capita = per_school_budget / per_school_counts
per_school_capita
```

We can perform this calculation because the `per_school_budget` and `per_school_counts` are Series, both data types are `int64`, and both have the same index.

When we execute this code, we get a Series with the school name as the index with a column showing the budget per student.

Nice work! Next, we will get the grade averages from each school.