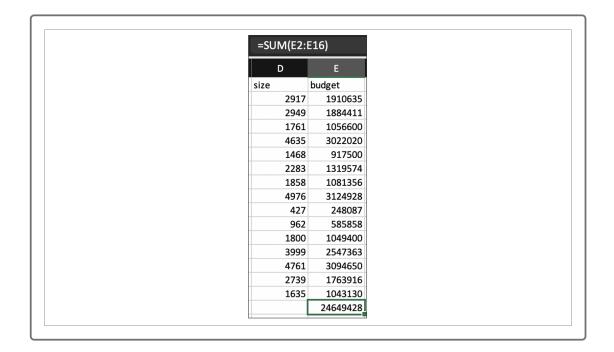
4.7.4 Get the Total Budget

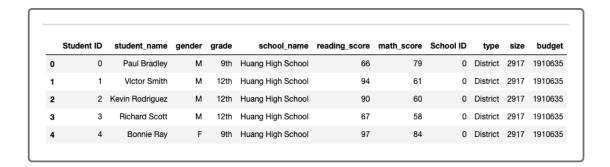
Since you successfully found the total number of schools, Maria has asked you to calculate the total budget for the whole district.

If we were working in Excel, we could find the sum of the "budget" column using the <code>=sum()</code> function on <code>schools_complete.csv</code> like this:



Since we're using Pandas, we can use the sum() method on the "budget" column.

Look at school_data_complete_df. Notice that each student is associated with a school and all the data related to that school, including type, size, and budget:



When we apply the <code>sum()</code> method on the "budget" column of the <code>school_data_complete_df</code> DataFrame, we get the following output:

```
# Calculate the Total Budget.
total_budget = school_data_complete_df["budget"].sum()
total_budget
82932329558
```

This is a huge number, and based on our Excel calculation, it's incorrect. Our code summed all 39,170 rows in the "budget" column.

Instead of using the <code>sum()</code> method on the "budget" column of the <code>school_data_complete_df</code> DataFrame, we can apply the <code>sum()</code> method on the "budget" column of the <code>school_data_df</code> DataFrame.

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

```
# Calculate the total budget.
total_budget = school_data_df["budget"].sum()
total_budget
```

FINDING

The total budget of the schools in the district is \$24,649,428. Your output should match the sum of E3:E16 in the schools_complete.csv file. This is a good way to check that our answer matches the CSV file.

```
# Calculate the Total Budget.
total_budget = school_data_df["budget"].sum()
total_budget
24649428
```

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