4.7.2   Get the Number of Students

Now that you have merged the DataFrames, Maria would like you to get the total number of students in the school district. She reminds you that if you had dropped the students whose names were incorrect instead of correcting them, the total number of students would be incorrect.

REWIND

Recall that we counted the number of missing values in each DataFrame using the `count()` method. We can use the same method on the `school_data_complete_df` DataFrame to get the counts of specific columns.

If we add the `count()` method to the `school_data_complete_df` DataFrame, we will count all the items in each row for each column that is not null.

Run the following code:

```
# Get the total number of students.
student_count = school_data_complete_df.count()
student_count
```

Your results should be the following:

```
Student ID       39170
student_name     39170
gender           39170
grade            39170
school_name      39170
reading_score    39170
math_score       39170
School ID        39170
type             39170
size             39170
budget           39170
dtype: int64
```

In the output, we see that each column has 39,170 rows, or values. Therefore, we can choose any one of the columns and get the student count using the following format:

```
school_data_complete_df[column].count()
```

To assign the "student_count" to a column that identifies with students, we will use the "Student ID" column.

Edit the code in the previous cell to look like this:

```
school_data_complete_df["Student ID"].count()
```

Run the cell.

FINDING

The number of students in the district is 39,170.

```python
# Get the total number of students.
student_count = school_data_complete_df["Student ID"].count()
student_count
```

```
39170
```

CAUTION

If you got a `SyntaxError: invalid syntax`, as shown in the following image, you didn't put single or double quotation marks around the column name.

```
  File "<ipython-input-56-059a362bee76>", line 1
    student_count = school_data_complete[Student ID].count()
                                                 ^
SyntaxError: invalid syntax
```