4.5.7   Fix the Students' Names

Maria is impressed by your success in testing how to remove the prefixes and suffixes from the students' names. Now she wants you to apply the same method to the "student name" column in the `student_data_df` DataFrame. Doing so will correct the students' names so they align with their school records.

Using the same code that we tested for cleaning the students' names, we're going to turn to the `PyCitySchools.ipynb` file to fix the students' names so they match their school records.

REWIND

For the previous data-cleaning step, we created a list to hold the common prefixes and suffixes as strings like this:

```
prefixes_suffixes = ["Dr. ", "Mr. ","Ms. ", "Mrs. ", "Miss ", "
MD", " DDS", " DVM", " PhD"]
```

We iterated through the list and used the `replace()` method on the "student_name" column, replacing every occurrence of each prefix or suffix as they occurred with an empty string.

To initialize the list, add the following code to a new cell in your `PyCitySchools.ipynb` file. Make sure that there is a space after the prefix and before the suffix.

```
# Add each prefix and suffix to remove to a list.
prefixes_suffixes = ["Dr. ", "Mr. ","Ms. ", "Mrs. ", "Miss ", " MD", " DDS",
```

Next, add the following code below the `prefixes_suffixes` list. This is similar to the code we used in the `cleaning_student_names.ipynb` file.

```
# Iterate through the words in the "prefixes_suffixes" list and replace them
for word in prefixes_suffixes:
    student_data_df["student_name"] = student_data_df["student_name"].str.re
```

When we execute the cell, the results should look like what we observed in the `cleaning_student_names.ipynb` file:

Now we have a clean `student_data_df` DataFrame, which means we can finally start our analysis!