

## 4.10.3 Combine each grade level Series into a DataFrame

**District** officials and other key stakeholders are eager to see the report on average math and reading scores by grade level. Maria would like you to combine the average math scores for each grade and the average reading scores for each grade and add them to separate DataFrames.

Now that we have performed all the necessary calculations to get the average math and reading scores by grade level for each school, we can add them to separate DataFrames.

First, let's add the math scores for each grade level to a new DataFrame. To do this, add the following code in a new cell and run the cell.

```
# Combine each grade level Series for average math scores by school into a s
math_scores_by_grade = pd.DataFrame({
    "9th": ninth_grade_math_scores,
    "10th": tenth_grade_math_scores,
    "11th": eleventh_grade_math_scores,
    "12th": twelfth_grade_math_scores})

math_scores_by_grade.head()
```

When we run the cell, the `math_scores_by_grade` DataFrame will look like this:

	9th	10th	11th	12th
school_name				
Bailey High School	77.083676	76.996772	77.515588	76.492218
Cabrera High School	83.094697	83.154506	82.765560	83.277487
Figueroa High School	76.403037	76.539974	76.884344	77.151369
Ford High School	77.361345	77.672316	76.918058	76.179963
Griffin High School	82.044010	84.229064	83.842105	83.356164

We'll use the same format to add the reading scores for each grade level to a new DataFrame. To do this, add the following code in a new cell and run the cell.

```
# Combine each grade level Series for average reading scores by school into
reading_scores_by_grade = pd.DataFrame({
    "9th": ninth_grade_reading_scores,
    "10th": tenth_grade_reading_scores,
    "11th": eleventh_grade_reading_scores,
    "12th": twelfth_grade_reading_scores})

reading_scores_by_grade.head()
```

When we run the cell, the `reading_scores_by_grade` DataFrame will look like this:

	9th	10th	11th	12th
school_name				
Bailey High School	81.303155	80.907183	80.945643	80.912451
Cabrera High School	83.676136	84.253219	83.788382	84.287958
Figueroa High School	81.198598	81.408912	80.640339	81.384863
Ford High School	80.632653	81.262712	80.403642	80.662338
Griffin High School	83.369193	83.706897	84.288089	84.013699

You just created the average math and reading DataFrames—great work!

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