4.4.3

# Activity: Summary School

**Maria** would like a high-level analysis of the school data. So, she's asked you to generate some summary statistics for it.

In this activity, you'll summarize the data in a DataFrame and in individual columns by using Pandas functions.

## Files

Continue using the Jupyter Notebook file that you created in the previous lesson to write your code.

Download the following files to help you get started:

Summary School files (https://2u-data-curriculum-team.s3.amazonaws.com/dataviz-online/v2/module_4/4-4-Student_Data_Starter_Code.zip)

sing the Jupyter Notebook file in the `Unsolved` folder, navigate to the "Step 3" section to write your code. Alternatively, you can use the Jupyter Notebook file that you created in the previous lesson to write your code.

## Instructions

1. Generate summary statistics for the entire DataFrame, as the following code shows:

```
student_df.describe()
```

2. Display the mean value of each numeric column, as the following code shows:

```
student_df.mean()
```

3. Display the maximum value of every column, as the following code shows:

```
student_df.max()
```

4. Generate the minimum math score, and store it in the `min_math_score` variable, as the following code shows:

```
min_math_score = student_df['math_score'].min()
```

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## Solution

How did you do?

You can refer to the solution file in the `Solved` folder, which is in the zipped folder that you downloaded for this activity.

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## What's Next?

While creating the summary statistics, you might identify areas of your dataset that deserve a closer inspection and analysis. So in the next lesson, you'll learn how to drill down into data to create more-targeted analyses.