Follow-along instructions: EDA using basic data functions with Python

Accessing and utilizing resources in this section

While watching the video that follows this reading, you may find it helpful to track the instructor's progress by following along in your own Jupyter notebook. To do so, open the annotated follow-along guide for the video. The content in this notebook is identical to the content shown in this lesson's instructional video. In addition to that content, you'll find additional information throughout the notebook. That information is provided to explain the purpose of each concept covered, why the code is written in a certain way, and tips for running the code.

Steps to complete for each video:

1. Read this page of instructions.
2. Open the Annotated follow-along guide: EDA using basic functions with Python, which contains a version of the same notebook the instructor will use in the video.
3. Follow along with the instructor as they go over the code in the notebook.
4. Learn from the instructor and practice running the code in your notebook.

Data dictionary

In this lesson's video, your notebook will include these datasets:

- **eda_using_basic_data_functions_in_python_dataset1**
- **eda_using_basic_data_functions_in_python_dataset2**

Each row represents a total lightning strike count on the specified date for a particular location. Refer to the column information in the table below. Note that some lessons in this course use subsets of the data.

Column name	Type	Description
number of strikes	int64	The total count of lightning strikes in that geographic tile on a given date
center_point_geom	str	String of characters representing the geographic center point of the strikes based on the latitude and longitude given
longitude	float64	Longitudinal point extracted from center_point_geom
latitude	float64	Latitudinal point extracted from center_point_geom
date	str	The recorded date (format: YYYY/MM/DD)
zip_code	float64	United States postal code where given center point is located
city	str	U.S. city where given center point is located
state	str	U.S. state where given center point is located
state_code	str	Two-letter abbreviation for the U.S. state where the center point is located