cases. Some data wrangling has been performed to condense these files to the above core six columns to make your analysis and the evaluation of your Python skills more straightforward. In the Data Wrangling course that comes later in the Data Analyst Nanodegree program, students learn how to wrangle the dirtiest, messiest datasets, so don't worry, you won't miss out on learning this important skill!

Statistics Computed

You will learn about bike share use in Chicago, New York City, and Washington by computing a variety of descriptive statistics. In this project, you'll write code to provide the following information:

#1 Popular times of travel (i.e., occurs most often in the start time)

- most common month
- most common day of week
- most common hour of day

#2 Popular stations and trip

- most common start station
- most common end station
- most common trip from start to end (i.e., most frequent combination of start station and end station)

#3 Trip duration

- total travel time
- average travel time

#4 User info

- counts of each user type
- counts of each gender (only available for NYC and Chicago)
- earliest, most recent, most common year of birth (only available for NYC and Chicago)

The Files

To answer these questions using Python, you will need to write a Python script. To help guide your work in this project, a template with helper code and comments is provided in a **bikeshare.py** file, and you will do your scripting in there also. You will need the three city dataset files too:

- **chicago.csv**
- **new_york_city.csv**
- **washington.csv**

All four of these files are zipped up in the **Bikeshare** file in the resource tab in the sidebar on the left side of this page. You may download and open up that zip file to do your project work on your local machine.

Some versions of this project also include a Project Workspace page in the classroom where the bikeshare.py file and the city dataset files are all included, and you can do all your work with them there.

NEXT