5.2.5 Commit Your Code

Congratulations! Your datasets are merged, now you have a clear understanding of the information you have to work with. And it's only 10:00 pm!

Before signing off for the night, take a moment to commit your code to GitHub. After all, committing early and often has saved your progress on projects multiple times before, and the stakes are high on this analysis. Plus, Omar said he might have time to look over your work early tomorrow, so you want him to have access to the most up-to-date files.

Now that you have read the CSV files into DataFrames, inspected the DataFrames, and merged the DataFrames, save `PyBer.ipynb` to your PyBer_Analysis folder on your computer. Next, save the `PyBer.ipynb` file to the GitHub repository. Follow the steps for your operating system.

Check out the macOS instructions below, or jump to the **Windows instructions**.

Commit Your Code on macOS

1. Launch the command line.

2. Navigate to your PyBer_Analysis folder using the necessary commands.

3. Check the status using `git status` and press Enter. You might see the following in your command line:

- The `PyBer.ipynb` file
- The Resources folder and everything in it
- The `matplotlib_practice.ipynb` file

```
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
    (use "git add <file>..." to include in what will be committed)

PyBer.ipynb
    /Resources
    matplotlib_practice.ipynb
nothing added to commit but untracked files present (use "git add" to tr
```

4. Type `git add PyBer.ipynb Resources/` to add the `PyBer.ipynb` file and the CSV files and press Enter. You might see something like this:

```
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
    (use "git reset HEAD <file>..." to unstage)

new file:  PyBer.ipynb
    new file:  Resources/city_data.csv
    new file:  Resources/ride_data.csv
Untracked files:
    (use "git add <file>..." to include in what will be committed)
    matplotlib_practice.ipynb
```

5. Commit the files to be added to the repository by typing `git commit -m "Adding PyBer.ipynb file and Resources folder"` and press Enter. The output should look similar to this:

```
[main 73b8150] Adding PyBer.ipynb file and Resources folder.
3 files changed, 3277 insertions(+)
create mode 100644 PyBer.ipynb
create mode 100644 Resources/city_data.csv
create mode 100644 Resources/ride_data.csv
```

6. Add the file to your repository using `git push` and press Enter. The output should look similar to this:

```
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 48.47 KiB | 9.69 MiB/s, done.
Total 7 (delta 0), reused 0 (delta 0)
To https://github.com/<your_GitHub_account>/PyBer_Analysis.git
  635d64c..73b8150 main -> main
```

7. Refresh your GitHub page to see the changes to your repository.

Commit Your Code on Windows

1. Launch Git Bash.

2. Navigate to the PyBer_Analysis folder using the necessary commands.

3. Check the status by typing `git status` and pressing Enter. You might see something like this in your bash command line:

    - The `PyBer.ipynb` file
    - The Resources folder and everything in it
    - The `matplotlib_practice.ipynb` file

```
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
    (use "git add <file>..." to include in what will be committed)

PyBer.ipynb
    /Resources
    matplotlib_practice.ipynb
nothing added to commit but untracked files present (use "git add" to tr
```

4. Type `git add PyBer.ipynb Resources/` to add the `PyBer.ipynb file` and the CSV files and press Enter. You might see something like this:

```
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
    (use "git reset HEAD <file>..." to unstage)


new file:  PyBer.ipynb
    new file:  Resources/city_data.csv
    new file:  Resources/ride_data.csv

Untracked files:
    (use "git add <file>..." to include in what will be committed)
    matplotlib_practice.ipynb
```

5. Commit the files to be added to the repository by typing `git commit -m "Adding PyBer.ipynb file and Resources folder."` and press Enter. Your output should look similar to this:

```
[main 73b8150] Adding PyBer.ipynb file and Resources folder.
3 files changed, 3277 insertions(+)
create mode 100644 PyBer.ipynb
create mode 100644 Resources/city_data.csv
create mode 100644 Resources/ride_data.csv
```

6. Add the file to your repository by typing `git push` and press Enter. Your output should look similar to this:

```
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 48.47 KiB | 9.69 MiB/s, done.
Total 7 (delta 0), reused 0 (delta 0)
To https://github.com/<your_GitHub_account>/PyBer_Analysis.git
635d64c..73b8150 main -> main
```

7. Refresh your GitHub page to see the changes to your repository.