data/

- NYC_Hourly_Weather_2016.csv

This file includes hourly weather data in 2016. Columns including date and time of day, temperature in Fahrenheit, and the boolean value of raining or not were applied in this project.

- NYC_Weather_Centralpark_2016.csv

It contains minimum temperature, maximum temperature, average temperature, precipitation, new snow fall, and current snow depth for every day in 2016 in central park.

- NYC_Parking_Violations_2014.csv (File size over 100MB)
- NYC_Parking_Violations_2015.csv (File size over 100MB)
- NYC_Parking_Violations_2016.csv (File size over 100MB)
- NYC_Parking_Violations_2017.csv (File size over 100MB)

These datasets covering Aug 2013 to June 2017 store the information of parking ticket issued in NYC. There are more than 40 columns in the data.

stats/

- NYC_Parking_Violations_2014.csv (File size over 100MB)
- NYC_Parking_Violations_2015.csv (File size over 100MB)
- NYC_Parking_Violations_2016.csv (File size over 100MB)
- NYC_Parking_Violations_2017.csv (File size over 100MB)

These parking violations datasets only contain attributes that are to be analyzed.

- violations_2014.csv (File size over 100MB)
- violations_2015.csv (File size over 100MB)
- violations_2016.csv (File size over 100MB)
- violations_2017.csv (File size over 100MB)

These parking violations datasets only contain violation data that occurred in the specific year and only attributes that are to be analyzed are maintained.

notes.pdf

This file describes my research process and ideas when I was developing the project.

Python.ipynb

All my source code is in this Jupiter notebook. It also contains some description of my process and result.

report_cchao.pdf

The main report of this project. It includes abstract, data, result, discussion, and conclusion.

slides_cchao.pdf

The slides for presentation in pdf format.