NYC Parking Tickets

You job is to use Pandas to analyze the provided file according to the specification below:

Step 1 (20 points): Read the file and print out the number of records read.

Step 2 (30 points): Remove any row where Registration_State, Plate_Type, Vehicle_Make, Vehicle_Year, or Issuer_Code is invalid. Also only allow rows where Vehicle Year is less than 2018.

Step 3 (40 points): Display a graph that shows # of tickets for each vehicle year.

Step 4 (40 points): Display the top 5 vehicle-makes with the most tickets.

Step 5 (40 points): display the street where commercial vehicles got the most ticket.

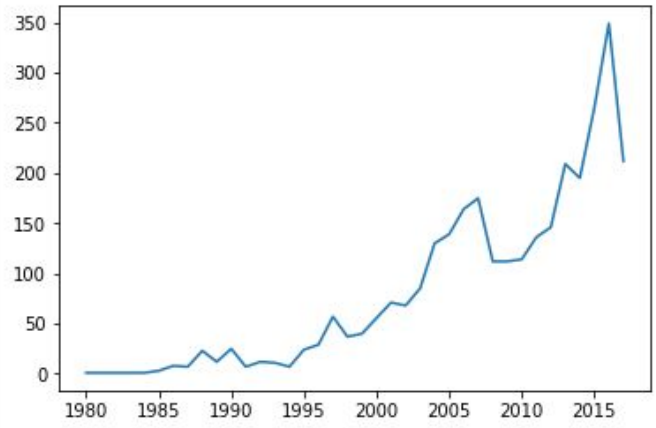
Step 6.1 (20 points): display the state whose average vehicle year is the newest.

Step 6.2 (20 points): display the state whose average vehicle year is the oldest.

```
Step 1: Reading file...
5000 records were read from file.

Step 2: Cleaning up...
2989 records left after cleanup.

Step 3: # of tickets by vehicle year...
```




```
Step 4: Top 5 vehicle-makes with most tickets...
Vehicle_Make
FORD     336
FRUEH    276
TOYOT    274
HONDA    230
NISSA    202
Name: Plate_ID, dtype: int64

Step 5: The street where commercial vehicles got the most ticket:
Street_Name
BROADWAY    72
Name: Plate_ID, dtype: int64

Step 6.1: The state with newest vehicles:
Registration_State
OH    2017.0
Name: Vehicle_Year, dtype: float64

Step 6.2: The state with oldest vehicles:
Registration_State
ME    1993.0
Name: Vehicle_Year, dtype: float64
```

Avoid Penalties:

- Your program does not compile and/or crashes while running (-60).
- Your program is not properly indented and/or commented (-60).
- You are not using Pandas library (-60).

Assume that I will deduct the maximum amount if you hit these penalties. I will also deduct the maximum amount if any of the features of the program is not functioning properly.