

NYC PARKING TICKET ANALYSIS FOR FISCAL YEAR 2017

Group 5:

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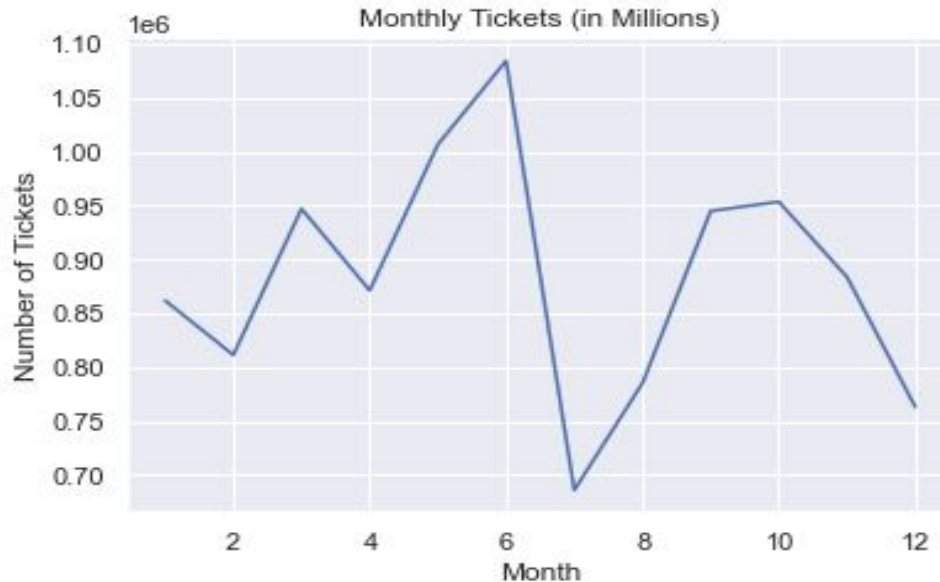




Problem Statement & Dataset

- Approximately **10 million parking tickets** are issued in New York City alone per year
 - Data showcases key trends within NYC parking ticket data
- Working with this data set had its limitations as data had invalid inputs which was excluded from the analysis
 - Data was significant enough to provide directional insights for NYC parking ticket violations

Monthly Parking Ticket Distribution



Frequency of Parking Tickets given by Month

- **June:** Most likely month to receive parking ticket
- **July:** Least likely month to receive parking ticket

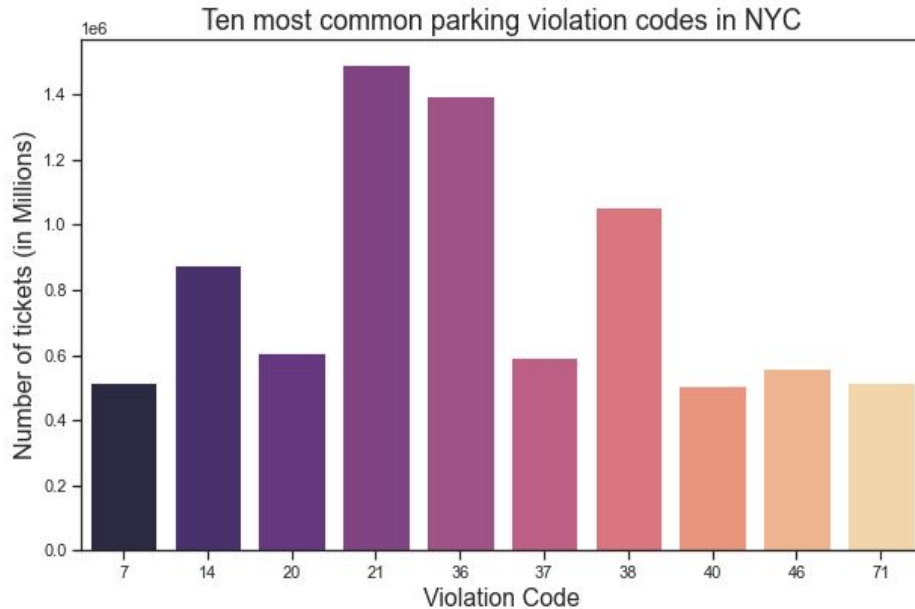
Monthly Parking Ticket Distribution by Borough



Ranking of Counties based on Number of Tickets distributed:

- 1) **Manhattan** (195800 to 351710)
- 2) **Brooklyn** (193804 to 314907)
- 3) **Queens** (153739 to 254799)
- 4) **Bronx** (84850 to 135109)
- 5) **Staten Island** (13476 to 27613)

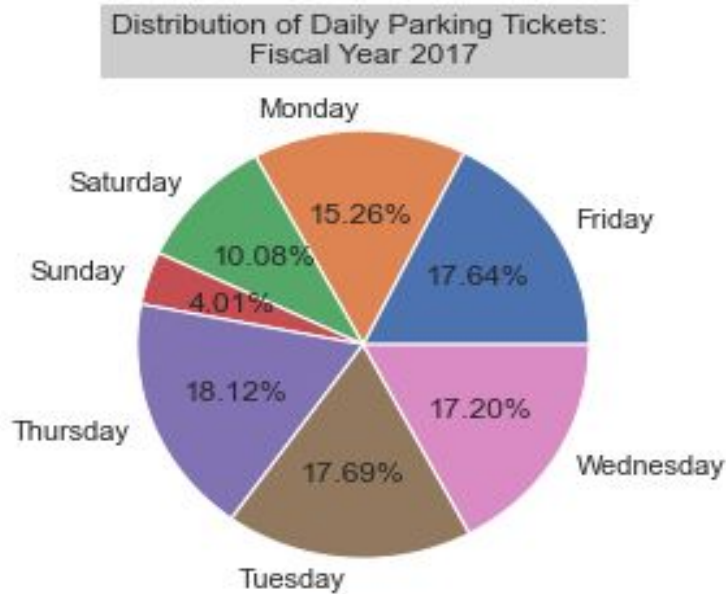
Most Common Code Violations in NYC



Ranking of Most Common Violation Codes based on Number of Tickets distributed:

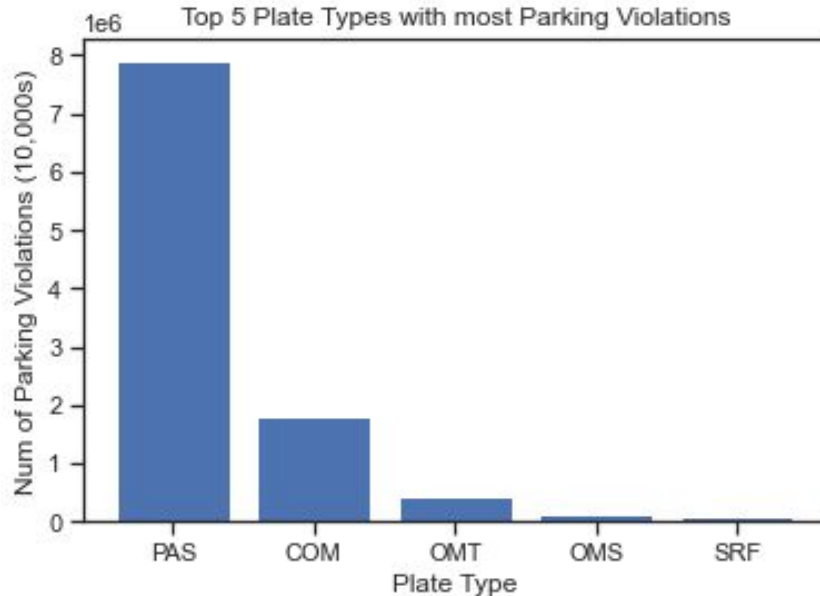
- 1) **Code 21** - Street Cleaning
- 2) **Code 36** - Exceeding the posted speed limit in or near a designated school zone.
- 3) **Code 38** - Parking Meter: Failing to show a receipt or tag in the windshield.
- 4) **Code 14** - General No Standing
- 5) **Code 20** - General No Parking

Daily Ticket Distribution during 2017 Fiscal Year (by percentage)



- **Sunday** was found to have the least distribution of parking tickets given.
- **Thursday** was found to have the greatest distribution of parking tickets given.
- Most tickets were found to be given on **weekdays** as opposed to weekends.

Parking Violation Frequency by Plate Type



Ranking of Parking Violation Frequency for Vehicle Plate Types From Most to Least:

- 1) **PAS** - Passenger Vehicle
- 2) **COM** - Commercial Vehicle
- 3) **OMT** - Taxi
- 4) **OMS** - Rental
- 5) **SRF** - Special Passenger - Vanity



Results, Discussion & Implication

- To summarize other results for the 2017 fiscal year:
 - **Manhattan** is the borough that has issued the most parking tickets
 - **Code 21** (Street Cleaning) - is the most common Parking Violation Code
 - A **2015 Toyota** is the vehicle make/year with the most amount of tickets issued
 - **In-state cars** (NY) are most likely to violate rules than out-of-state drivers
 - **The double parking violation code (46)** is violated the most by the same person

THANK YOU!

