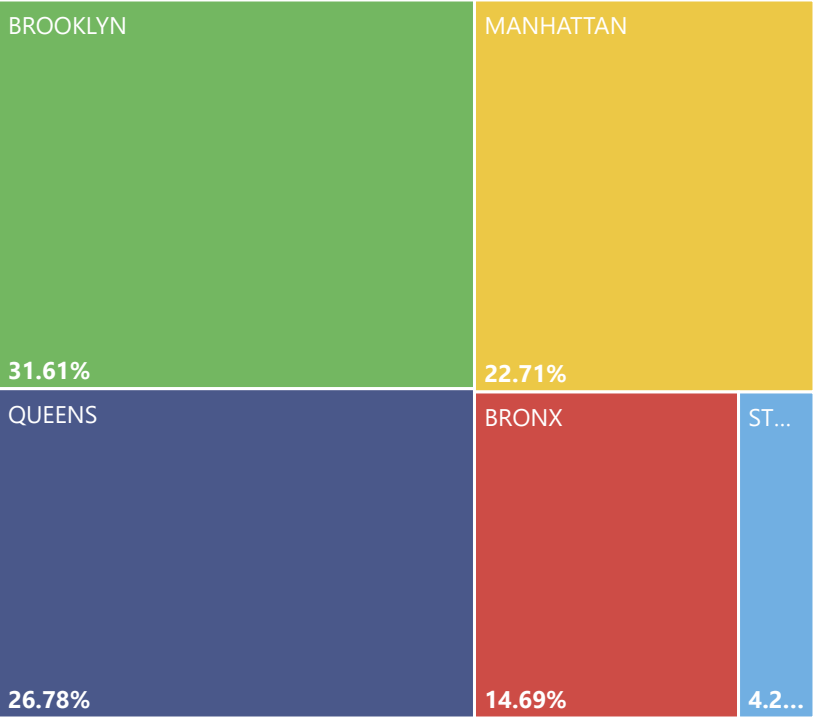


# Motor Vehicle Collisions in NYC (2012 - 2022)

1) Percentage of Collisions by Borough



1.90M

Number of Collisions

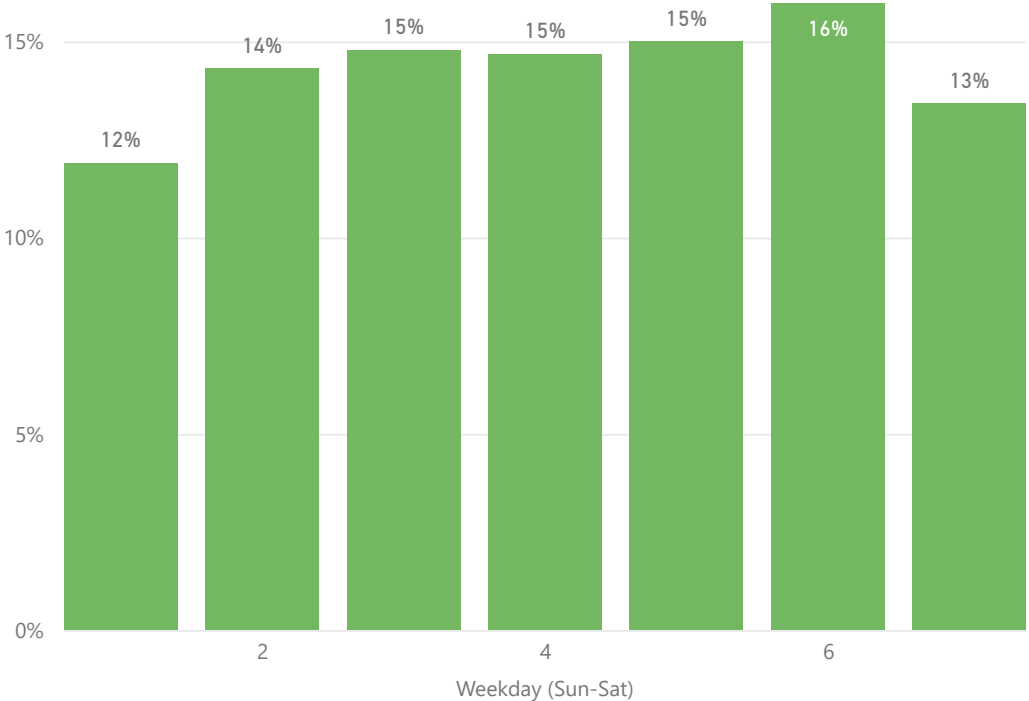
Analysis

- Motor vehicle collisions occur most frequently in Brooklyn. (1)
- The chances of a collision increase by 55% when driving at 8:00AM instead of 7:30AM. (2)
- The highest chance of a collision is Friday at 5:00PM. (2, 3)

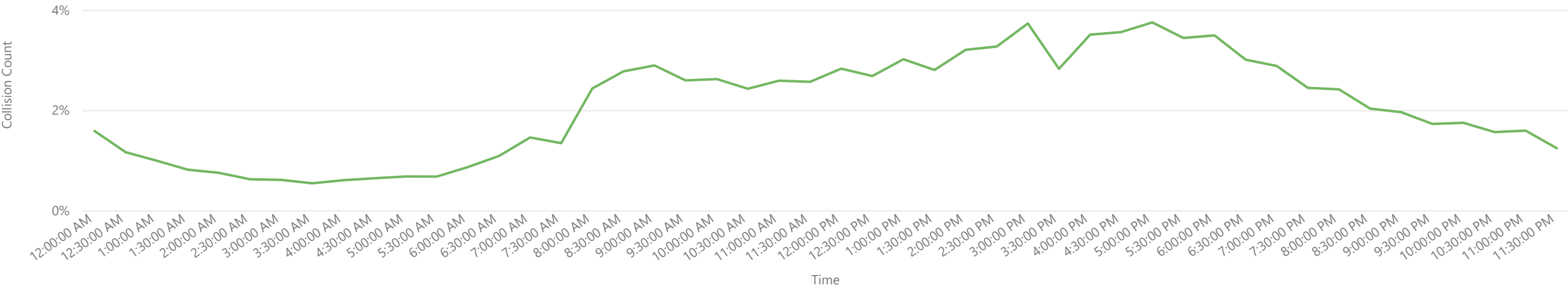
Summary

- Ideal time to drive in: 5:30AM - 6:30AM
- When leaving work after 5:00PM, the chances of a collisions decrease by ~20% for every half hour.
- Driving through Staten Island instead of Manhattan from NJ reduces the chances of a collision by 82% when driving to sites in Queens or Brooklyn.

3) Count of Collisions by Weekday

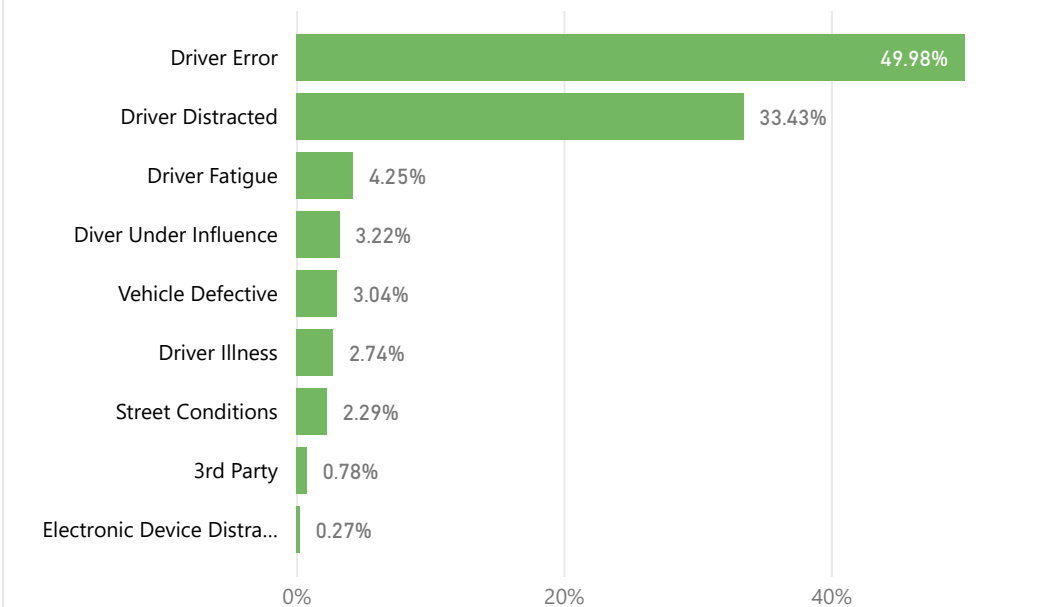


2) Collisions by Time of Day

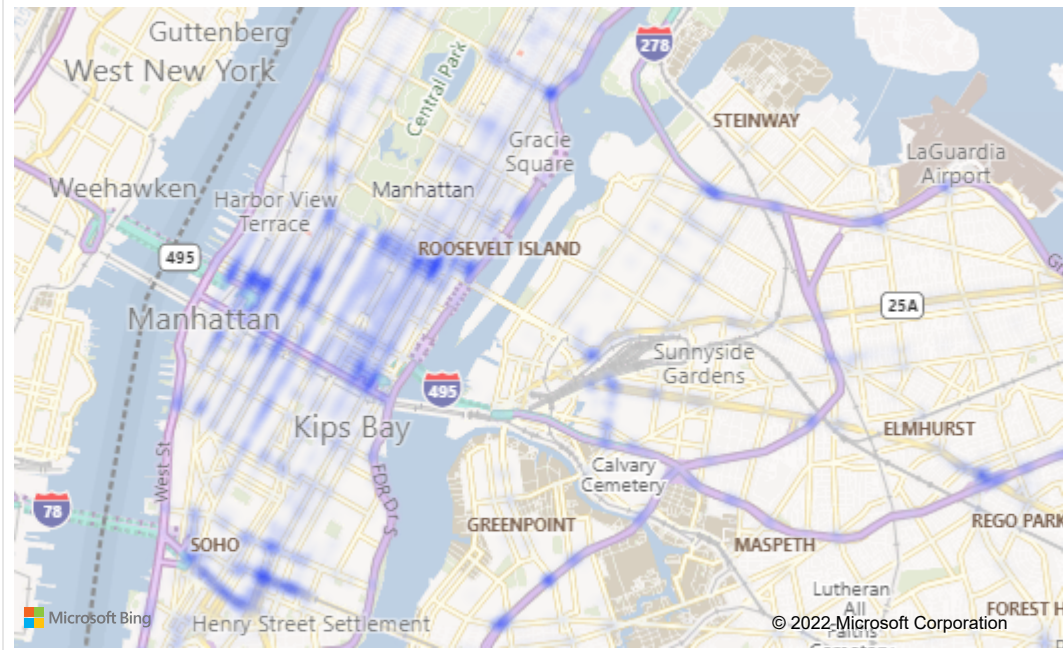


# Motor Vehicle Collisions in NYC (2012 - 2022)

1) Vehicle Collision Contributing Factors



2) Frequency of Vehicle Collisions Locations in NYC



Analysis

- 96% of motor vehicle collisions occur due to driver-related factors. (1)
- The majority of vehicle incidents occur at bridge and tunnel exists. (2)
- Personal vehicles are the leading vehicle type of motor vehicle collisions (3).
- Pedestrians have a higher chance at being killed, but motorists are the most injured people in motor vehicle collisions. (5, 6). Pedestrians have less protection than someone in a motor vehicle, so the chances of death are higher.

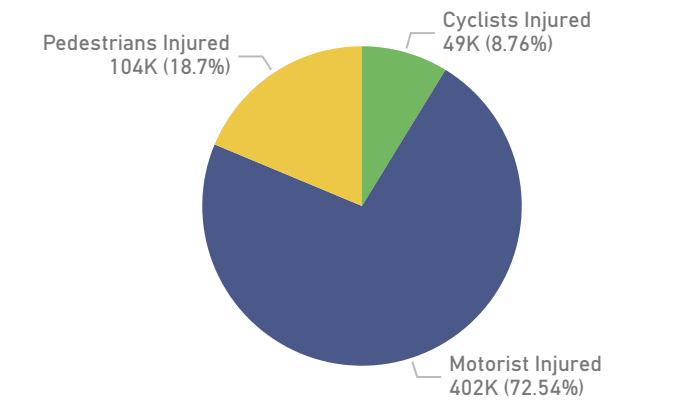
Summary

- With driver error being the main cause of vehicle collisions, it adds even more reasoning to make sure there are absolutely no distractions when driving.
- Avoid driving through the top 10 intersections in which accidents occur, if possible.

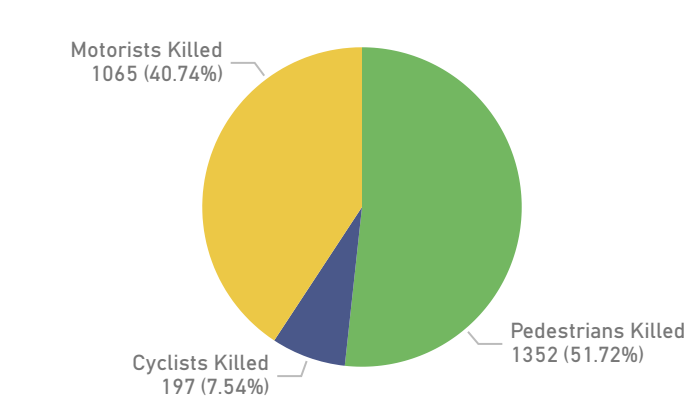
3) Collisions by Vehicle Types

Vehicle Type	Percent of Collisions
PASSENGER VEHICLE	82.40%
TAXI OR LIMO	4.62%
UNKNOWN	4.05%
COMMERCIAL VEHICLE	3.32%
BICYCLE OR PERSONAL MOBILITY DEVICE	1.81%
PUBLIC TRANSPORTATION	1.74%
CONSTRUCTION	0.89%
MOTORCYCLE	0.68%
EMERGENCY VEHICLE	0.37%
HORSE CARRIAGE	0.10%
DELIVERY	0.03%
Total	100.00%

6) Number of People Injured



5) Number of People Killed



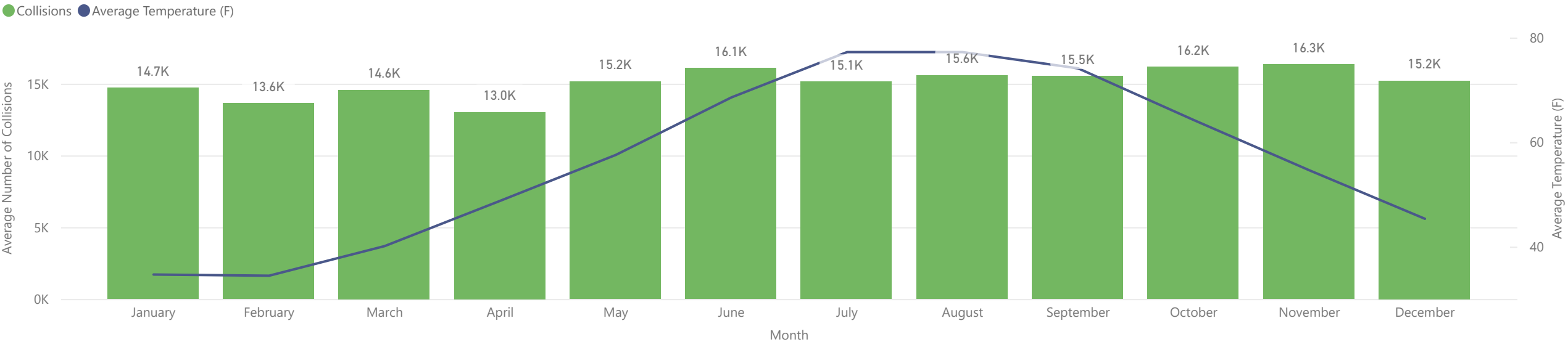
4) Top 10 Street Corners with Vehicle Collisions

Street Corner	Borough
ATLANTIC AVENUE, LOGAN STREET	BROOKLYN
BRUCKNER BOULEVARD, EAST 138 STREET	BROOKLYN
BRUCKNER BOULEVARD, HUNTS POINT AVENUE	BRONX
EAST 59 STREET, 2 AVENUE	MANHATTAN
FLATBUSH AVENUE EXTENSION, TILLARY STREET	BROOKLYN
FLATBUSH AVENUE, GRAND ARMY PLAZA	MANHATTAN
ROCKAWAY BOULEVARD, BROOKVILLE BOULEVARD	BRONX
TILLARY STREET, FLATBUSH AVENUE EXTENSION	QUEENS
WEST 42 STREET, 8 AVENUE	BRONX
WEST FORDHAM ROAD, MAJOR DEEGAN EXPRESSWAY	BROOKLYN

# Motor Vehicle Collisions in NYC (2013 - 2021\*)

\*Collision Data was collected from July 1, 2012 - Nov 11, 2022. To avoid misrepresenting the data, the visualizations below only contain data from Jan 1, 2013 - Dec 31, 2021.

1) Collisions and Average Temperature (F) by Month



## Analysis

- No strong correlation between temperature and collision frequency (1)
- Clear decrease in collisions from 2020 onwards. This is due to the COVID 19 shutdowns. (2)

## Summary

- There doesn't appear to be a large difference collision frequency depending on the month.

2) Collisions Per Year

