NYPD Shooting Incident Report 2006 - 2020
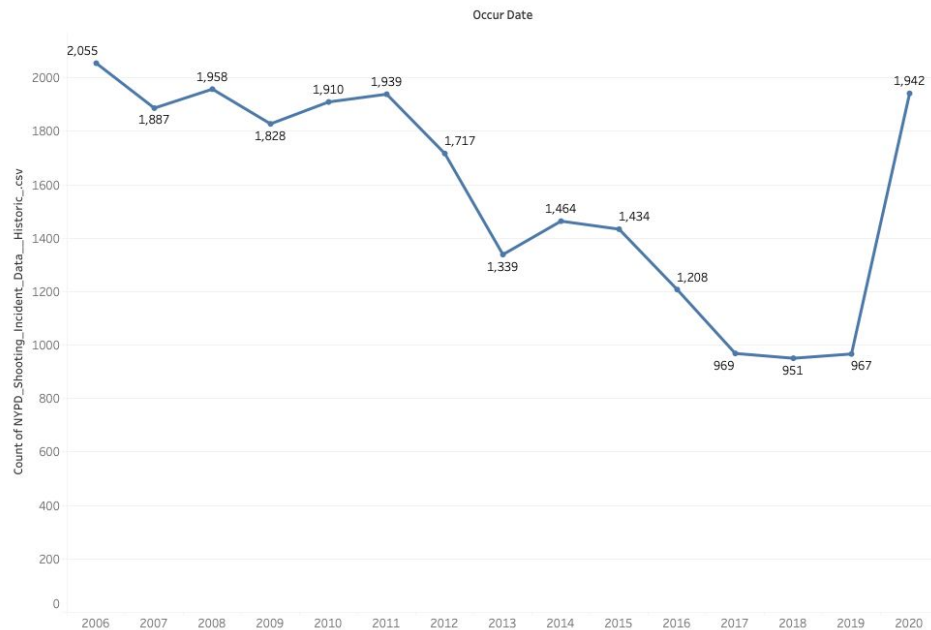
Source of data

NYPD Shooting Incident Data (Historic) / Metadata Updated: September 11, 2021

https://catalog.data.gov/dataset/nypd-shooting-incident-data-historic
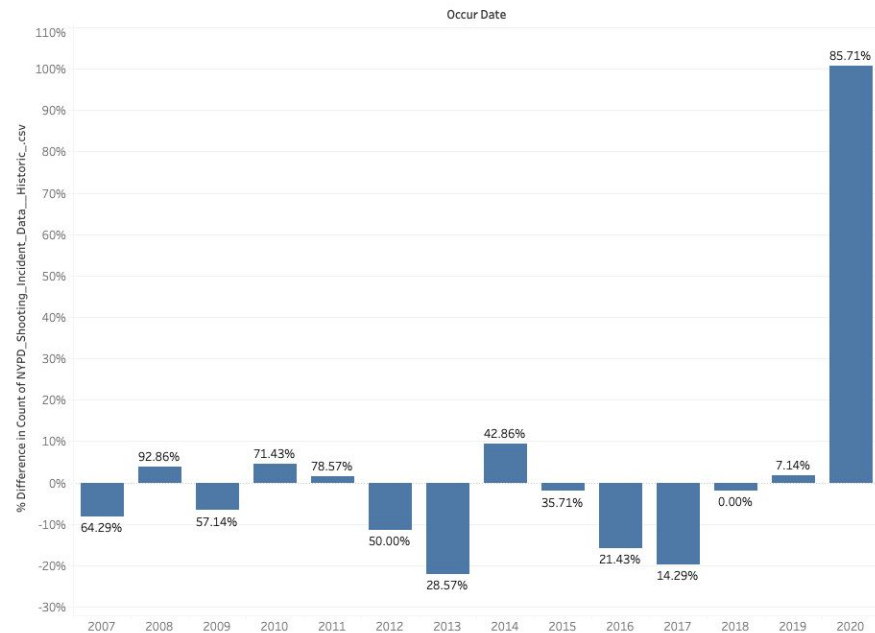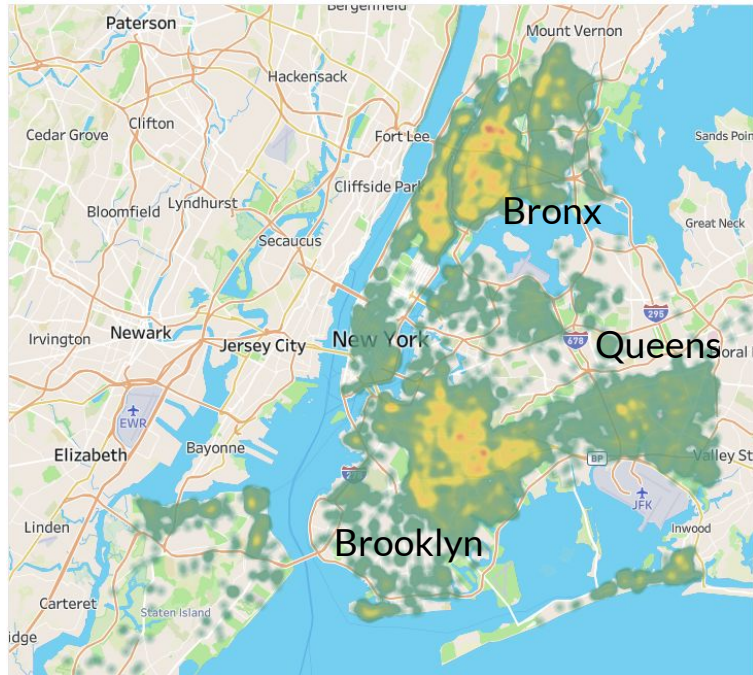
Shootings: Year -Over-Year Growth

Shootings by Year

Shootings by Year % Change

Over all shooting summary : 2006 - 2021

Bronx

Queens

New York

Brooklyn

Number of Shooting by Boro

	0K	1K	2K	3K	4K	5K	6K	7K	8K	9K	10K
BROOKLYN											
BRONX											
QUEENS											
MANHATTAN											
STATEN ISLAND											
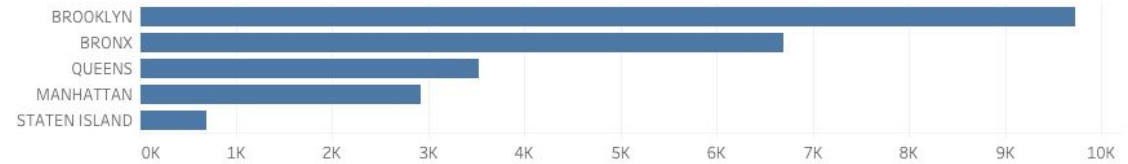
Number of Shooting by Weekly

	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000
Sunday											
Monday											
Tuesday											
Wednesday											
Thursday											
Friday											
Saturday											
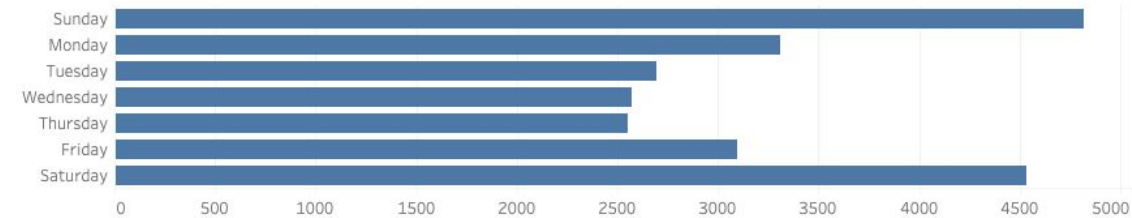
Total Shootings

23,568

Questions derived from the data

1. Why the number of shooting has been on the decline, but is surging in 2020?
2. Why are most incidents concentrated in Brooklyn, the Bronx, and Queens?
3. Are there any trends in the occurrence of incidents, such as days of the week or seasons?
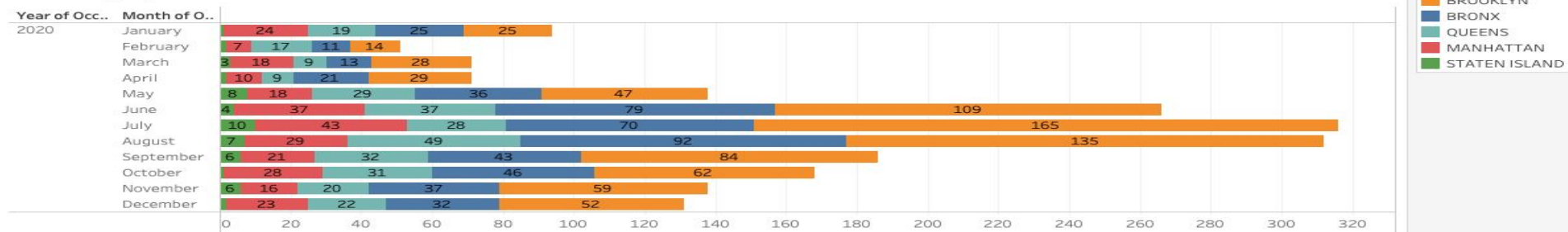
Why the spike in shootings in 2020?

· The number of incidents spiked in June
· Most of the cases occur in Brooklyn and the Bronx
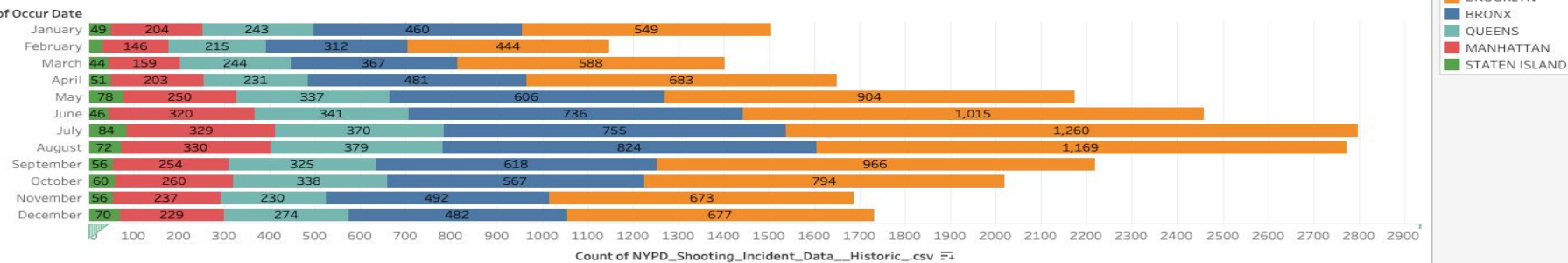

Shooting by Month in 2020
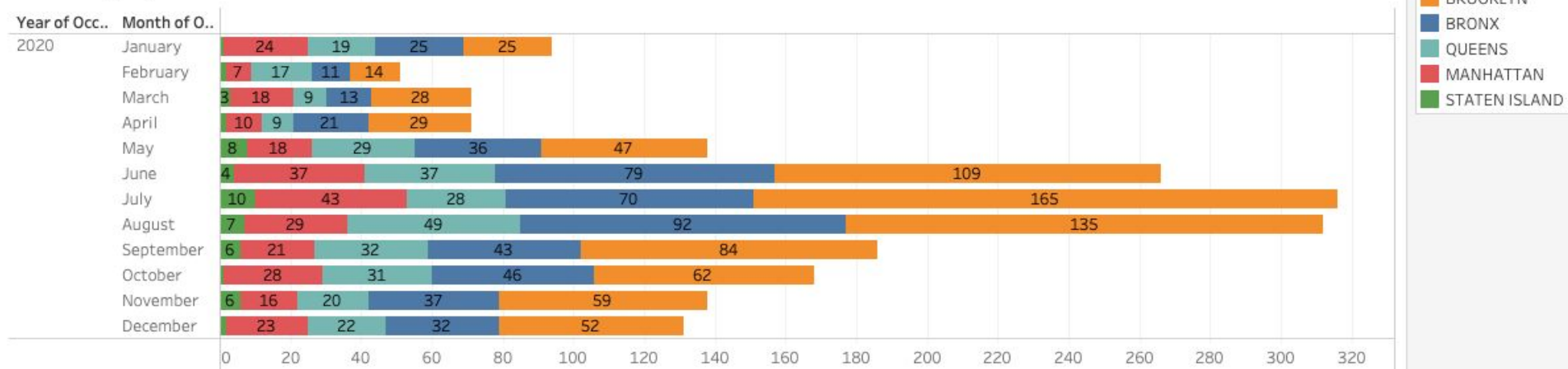
- The number of shootings tends to increase in the summer
- Not just in 2020, but in the past as well

Shooting by Month in 2020

Year of Occ..	Month of O..						Boro
2020	January	24	19	25	25		BROOKLYN
	February	7	17	11	14		BRONX
	March	3 18	9	13	28		QUEENS
	April	10	9	21	29		MANHATTAN
	May	8	18	29	36	47	STATEN ISLAND
	June	4	37	37	79	109	
	July	10	43	28	70	165	
	August	7	29	49	92	135	
	September	6	21	32	43	84	
	October	28	31	46	62		
	November	6	16	20	37	59	
	December	23	22	32	52		

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320

Shooting by Month

Month of Occur Date						Boro
January	49	204	243	460	549	BROOKLYN
February	146	215	312	444		BRONX
March	44	159	244	367	588	QUEENS
April	51	203	231	481	683	MANHATTAN
May	78	250	337	606	904	STATEN ISLAND
June	46	320	341	736	1,015	
July	84	329	370	755	1,260	
August	72	330	379	824	1,169	
September	56	254	325	618	966	
October	60	260	338	567	794	
November	56	237	230	492	673	
December	70	229	274	482	677	

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900

Count of NYPD_Shooting_Incident_Data___Historic_.csv

Race Vic vs Perp

Blacks are the most common perpetrators and victims.
There are many unknowns and nulls, so it is not possible to draw any conclusions from this data.

Race Vic vs Perp

				Vic Race			
Perp Race	BLACK	AMERICAN INDIAN/ALASKAN NATIVE	ASIAN / PACIFIC ISLANDER	BLACK HISPANIC	UNKNOWN	WHITE	WHITE HISPANIC
Null	6,498	2	85	752	34	137	917
UNKNOWN	1,380	3	14	160	12	42	258
BLACK	7,826	4	124	676	34	160	1,031
BLACK HISPANIC	444		17	276	6	31	307
WHITE HISPANIC	630		31	350	13	83	854
ASIAN / PACIFIC ISLANDER	37		38	12	2	11	20
WHITE	29		11	18	1	151	45
AMERICAN INDIAN/ALASKAN NATIVE	2						

Potential biases

- Race of people
- News, like covid-19
- Preconceived notion