

M7 Project Work: Improve Previous Graphs and Add Additional

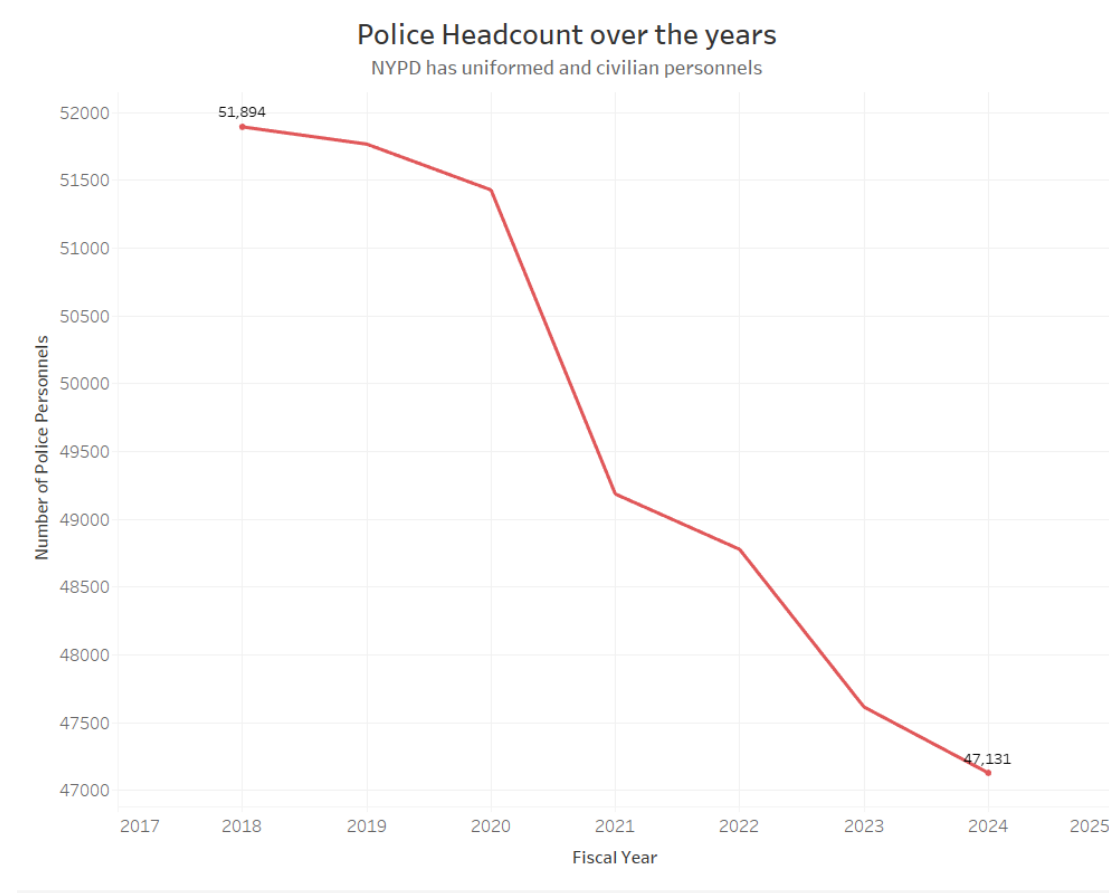
Group-6 (Team Sherlock's)

- Tushar Ahuja
- Aswin Karthik Panneer Selvam
- Nandini Reddy Basupally
- Shashank Shekhar



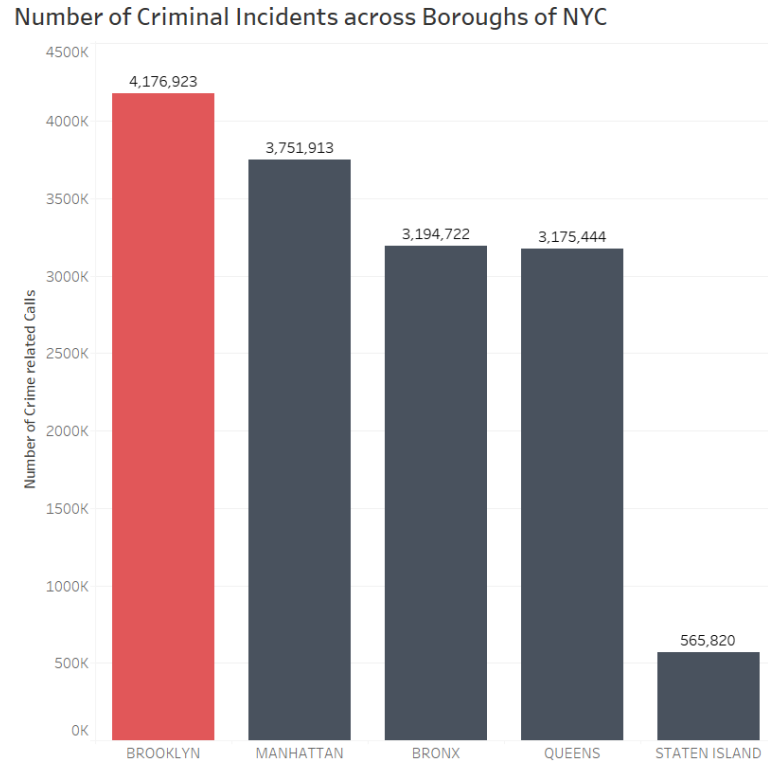
The above line graph shows Trends in Criminal incidents in NYC

VIZ 2



The above line graph shows Police Headcount decreasing over the Years

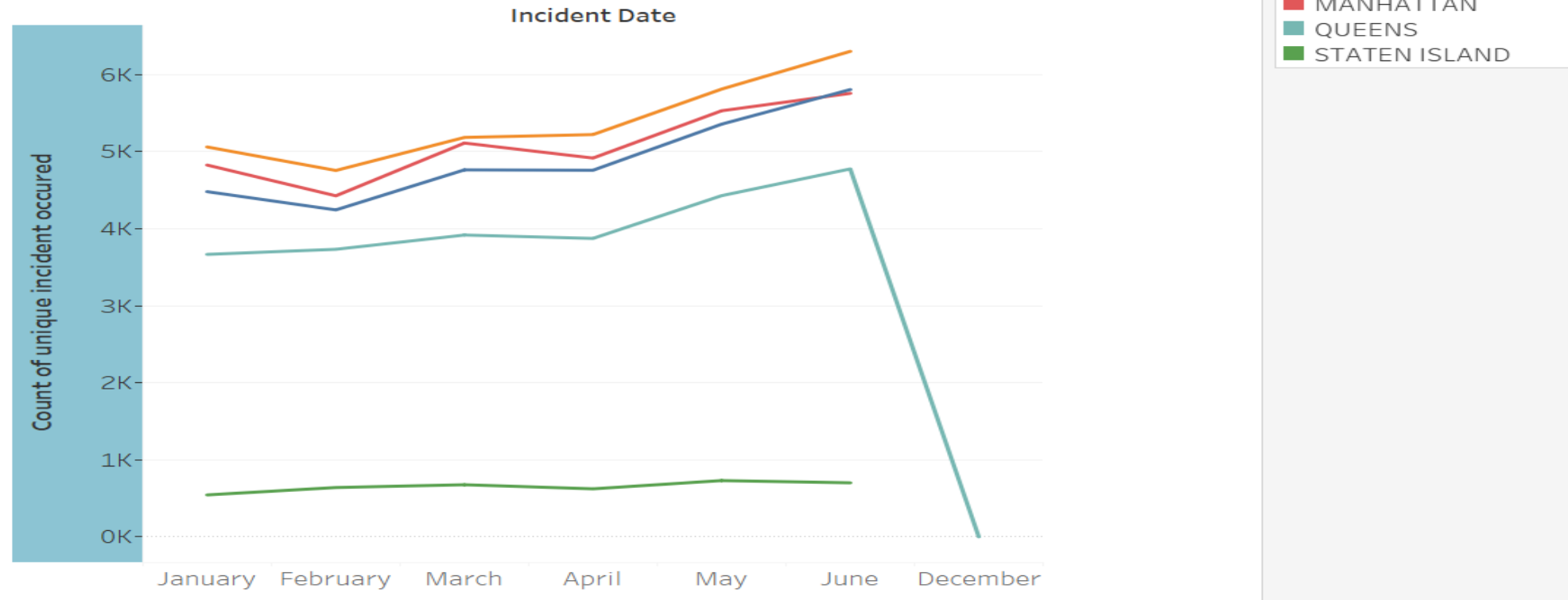
VIZ 3



The above bar graph shows Number of criminal incidents across each Boroughs of NYC.

VIZ 4

Calls Volume Across Borough of New York When call type is either serious or critical



The above line graph shows calls volume across Boroughs of NYC when call type is either serious or critical.

TABLE 1

Police Headcount over the Years							
	2018	2019	2020	2021	2022	2023	2024
Overall Headcount	51,894	51,767	51,429	49,187	48,779	47,617	47,131
Civilian Headcount	15,251	15,306	15,519	14,329	13,954	13,820	13,488
Uniform Headcount	36,643	36,461	35,910	34,858	34,825	33,797	33,643

Reason

No changes in table, since it's updated from M4 to M5 and there are not feedback for M5

TABLE 2

Number of Criminal Incidents across various NYPD shifts

Day Of Week	Overnight Shift (12AM - 6AM)	Morning Shift (6AM - 3PM)	Evening Shift (3PM - 12AM)	Total
Sunday	829,985	518,893	709,750	2,058,628
Monday	709,816	612,311	750,072	2,072,199
Tuesday	691,839	625,629	775,315	2,092,783
Wednesday	700,511	624,818	783,440	2,108,769
Thursday	712,151	623,255	779,095	2,114,501
Friday	762,198	638,867	833,091	2,234,156
Saturday	848,347	569,821	765,618	2,183,786
Total	5,254,847	4,213,594	5,396,381	14,864,822

TABLE 3

NYC Crime Incidents by Borough and Day of Week (Cumulative Total)

Data covers reported criminal incidents from [2019-2023] across five NYC boroughs.

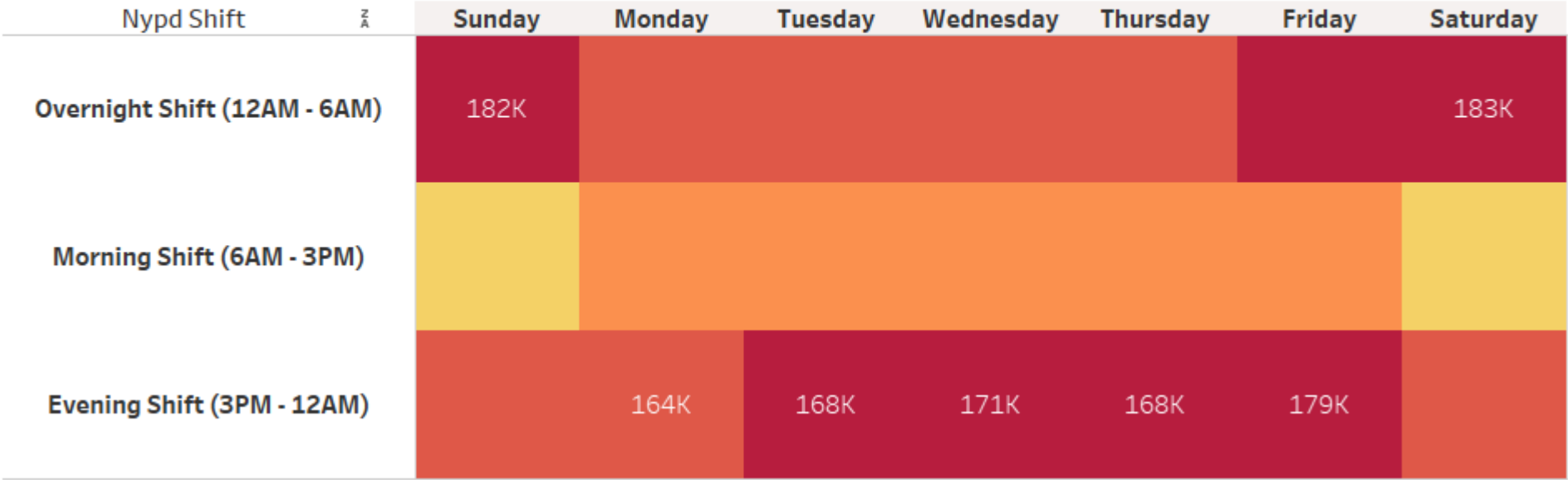
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
BRONX	444,299	446,544	449,672	452,711	452,131	478,298	471,067	3,194,722
BROOKLYN	576,745	586,443	591,558	595,612	595,712	628,080	602,773	4,176,923
MANHATTAN	509,164	516,654	530,640	536,174	540,594	567,911	550,776	3,751,913
QUEENS	451,184	443,348	441,324	443,536	445,465	474,744	475,843	3,175,444
STATEN ISLAND	77,236	79,210	79,589	80,736	80,599	85,123	83,327	565,820
Total	2,058,628	2,072,199	2,092,783	2,108,769	2,114,501	2,234,156	2,183,786	14,864,822

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VIZ 4 - NEW ADDITION

Number of Criminal Incidents across various NYPD shifts in Brooklyn borough
Post Covid

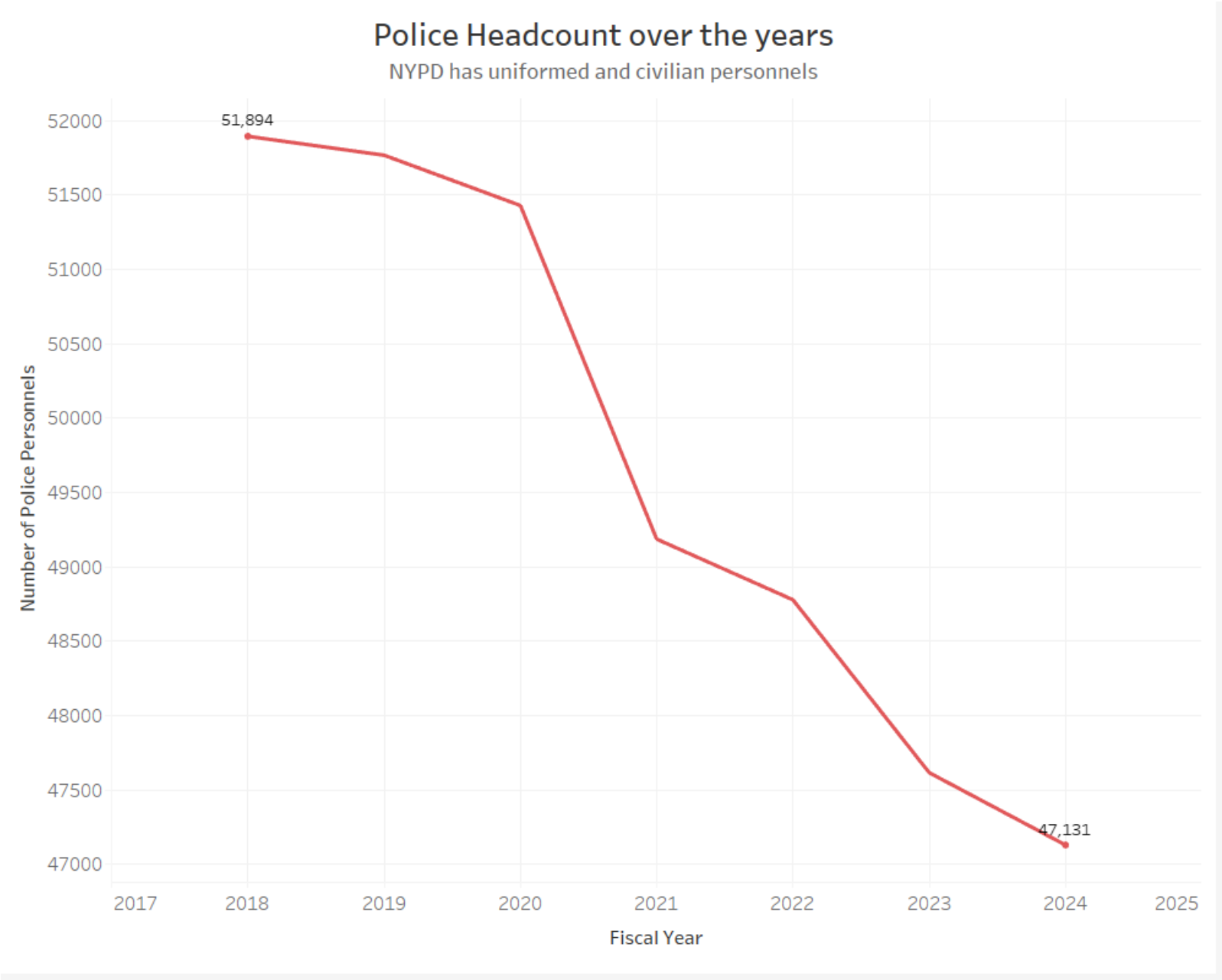


Comments

This heatmap shows the number of crimes across NYPD shift and days of week in Brooklyn borough where the number of crimes were the highest (as shown in Viz 3)

New Visualizations - Individual





VIZ 3

Number of Criminal Incidents across Boroughs of NYC

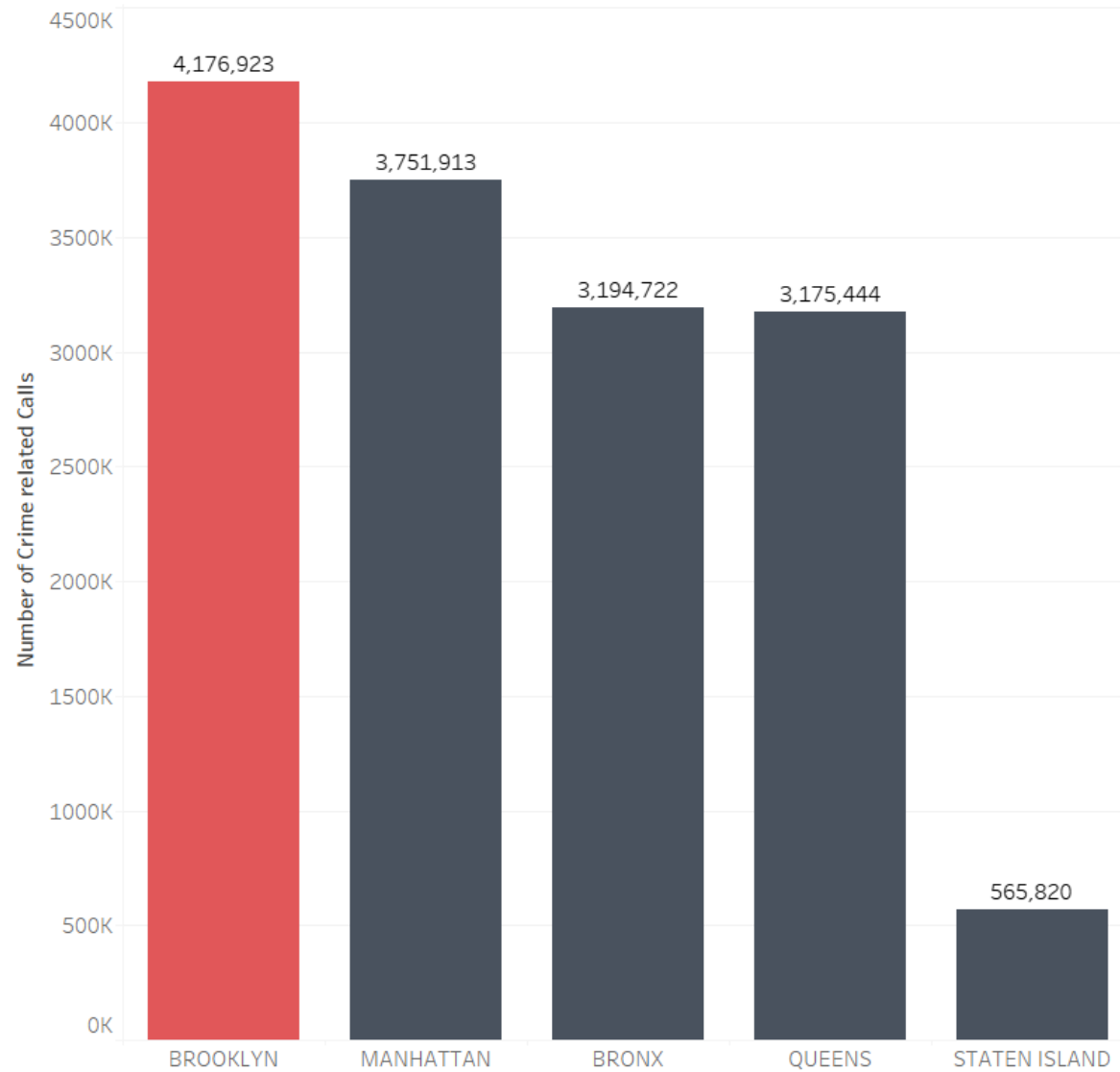


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Number of Criminal Incidents across various NYPD shifts in Brooklyn borough
Post Covid

Nypd Shift		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Overnight Shift (12AM - 6AM)		182K					183K	
Morning Shift (6AM - 3PM)								
Evening Shift (3PM - 12AM)		164K		168K	171K	168K	179K	

Calls Volume Across Borough of New York When call type is either serious or critical

