



NYPD Arrests

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Data Set: NYPD Arrest Data (Year to Date)

- ❑ Historical record of New York Police Department's (NYPD) arrests from 2006 – 2023

❑ Applications:

- ❑ Map arrests to visualize crime hotspots within the city and identify areas with higher arrest rates for community intervention programs
- ❑ Improve resource allocation of police
- ❑ Enable data-driven policymaking
- ❑ Foster trust between communities and law enforcement

❑ Dataset dimensions:

- ❑ 19 columns
- ❑ 5,725,522 rows of data

❑ Key:

- ❑ LAW_CAT_CD

F – Felony *M* – Misdemeanor

I – Infraction *V* – Violation

- ❑ ARREST_BORO

M – Manhattan *Q* – Queens *B* – Bronx

K – Brooklyn *S* – Staten Island

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	ARREST_KEY	ARREST_DATE	PD_CD	PD_DESC	KY_CD	OFNS_DESC	LAW_CODE	LAW_CAT_CD	ARREST_BORO	ARREST_PRE	JURISDICTION	AGE_GROUP	PERP_SEX	PERP_RACE	X_COORD	Y_COORD	C_Latitude	C_Longitude	Lon_Lat	
2	186134240	8/7/18	184				PL 12070E1	F	K	73	0	45-64	M	BLACK	1007585	183788	40.67110980	-73.915881	POINT (-73.915881309	
3	220476154	11/13/20	397	ROBBERY,OF	105	ROBBERY	PL 1600500	F	B	40	0	25-44	M	BLACK	1005041	234533	40.81039849	-73.924895	POINT (-73.924895310	
4	199148493	7/1/19	440				PL 1553502	F	M	23	1	25-44	M	BLACK HISPANIC	998829	226859	40.78934789	-73.947352	POINT (-73.947352412	
5	209928408	2/22/20	569	MARIJUANA,POSSESS	235	DANGEROUS DRUGS	PL 2214000	M	M	32	0	25-44	M	BLACK	1001610	241367	40.82916330	-73.937272	POINT (-73.937271893	
6	220330574	11/10/20	101	ASSAULT 3	344	ASSAULT 3 & RELATED OFFENSES	PL 1200001	M	B	49	0	25-44	M	WHITE	1024396	250744	40.85482622	-73.85488	POINT (-73.854879709	
7	220509245	11/14/20	223	BURGLARY,ROBBERY	107	BURGLARY	PL 1402502	F	M	19	0	45-64	M	WHITE HISPANIC	994297	218680	40.76690500	-73.963731	POINT (-73.963731018	
8	220532691	11/14/20	109	ASSAULT 2,1,	106	FELONY ASSAULT	PL 1200501	F	K	77	0	45-64	M	BLACK	997666	184328	40.67261257	-73.951637	POINT (-73.951637139	
9	221759650	12/12/20	203	TRESPASS 3,	352	CRIMINAL TRESPASS	PL 140100A	M	M	32	0	25-44	M	BLACK	999428	236544	40.81592955	-73.945167	POINT (-73.945167356	
10	191119539	12/12/18	586				PL 230345A	F	K	71	0	25-44	M	BLACK	998749	181383	40.66452749	-73.947739	POINT (-73.947739290	
11	220829194	11/21/20	263	ARSON 2,3,4	114	ARSON	PL 1501001	F	K	67	0	18-24	F	BLACK	997897	175677	40.64886713	-73.950822	POINT (-73.950821899	
12	221744704	12/12/20	175	SEXUAL ABUSE 1	233	SEX CRIMES	PL 13052A1	M	M	6	0	45-64	M	BLACK	982752	206772	40.73422612	-74.005407	POINT (-74.005406688	
13	221558560	12/9/20	157	RAPE 1	104	RAPE	PL 1303501	F	S	120	0	<18	M	BLACK	962748	174174	40.64472613	-74.077483	POINT (-74.077483158	
14	221591529	12/9/20	101	ASSAULT 3	344	ASSAULT 3 & RELATED OFFENSES	PL 1200001	M	Q	104	0	18-24	M	WHITE	1010795	194869	40.70151556	-73.904266	POINT (-73.904265962	
15	219581539	10/22/20	203	TRESPASS 3,	352	CRIMINAL TRESPASS	PL 140100A	M	M	17	0	25-44	M	BLACK	990723	212236	40.74922120	-73.976664	POINT (-73.976639631	
16	217890363	9/15/20					PL 2650022	M	B	44	0	25-44	M	BLACK	1009412	245306	40.83995593	-73.909065	POINT (-73.909064969	
17	219850107	10/28/20	397	ROBBERY,OFFENSE	105	ROBBERY	PL 1601504	F	Q	103	0	18-24	M	BLACK	1041879	197084	40.70744736	-73.792142	POINT (-73.792141767	
18	218641095	10/2/20	594	OBSCENITY 1	116	SEX CRIMES	PL 2631600	F	M	5	0	25-44	M	WHITE	984946	200203	40.71619591	-73.997491	POINT (-73.997490745	
19	217909568	9/16/20	397	ROBBERY,OFFENSE	105	ROBBERY	PL 1600500	F	Q	107	0	45-64	M	WHITE	1036790	205267	40.72993936	-73.810433	POINT (-73.810433141	
20	218229753	9/23/20	397	ROBBERY,OFFENSE	105	ROBBERY	PL 1600500	F	K	81	0	18-24	M	BLACK	1000937	191378	40.69195765	-73.939828	POINT (-73.939827822	
21	221902971	12/16/20	244	BURGLARY,UNLAWFUL	107	BURGLARY	PL 1402501	F	K	94	0	18-24	M	WHITE	997245	204130	40.72696506	-73.953117	POINT (-73.953116628	
22	219491194	10/20/20	157	RAPE 1	104	RAPE	PL 1303501	F	M	32	0	25-44	M	BLACK HISPANIC	999358	236472	40.81573205	-73.94542	POINT (-73.945420410	
23	219127024	10/13/20	244	BURGLARY,UNLAWFUL	107	BURGLARY	PL 1402000	F	Q	113	0	25-44	M	BLACK	1046405	187113	40.68004872	-73.775909	POINT (-73.775909193	
24	218750376	10/5/20	397	ROBBERY,OFFENSE	105	ROBBERY	PL 1601503	F	Q	106	0	<18	M	BLACK	1028605	187930	40.68239828	-73.840079	POINT (-73.840079368	
25	219361598	10/17/20	164	SODOMY 3	116	SEX CRIMES	PL 1304002	F	Q	111	0	18-24	F	WHITE HISPANIC	1048565	216315	40.76018547	-73.767843	POINT (-73.767842584	
26	219166965	10/14/20	153	RAPE 3	104	RAPE	PL 1302501	F	B	41	0	45-64	M	BLACK	1013232	236725	40.81639184	-73.895296	POINT (-73.895296413	
27	217785349	9/14/20	263	ARSON 2,3,4	114	ARSON	PL 1501500	F	M	32	0	18-24	F	BLACK	1000570	238608	40.82159261	-73.941037	POINT (-73.941036594	
28	219627287	10/23/20	157	RAPE 1	104	RAPE	PL 1303504	F	Q	114	0	18-24	M	ASIAN / PACIFIC ISLANDER	1007654	219564	40.76930608	-73.915508	POINT (-73.915508179	
29	173498630	1/11/18	475				PL 1651601	M	B	44	1	25-44	M	BLACK	1004749	240880	40.82781890	-73.925931	POINT (-73.925930755	
30	215508944	7/20/20	263	ARSON 2,3,4	114	ARSON	PL 1500500	F	S	123	0	<18	M	WHITE	914928	125757	40.51158633	-74.249304	POINT (-74.249303726	
31	215713396	7/24/20	681	CHILD, ENDANGERMENT	233	SEX CRIMES	PL 2601001	M	Q	113	0	25-44	M	UNKNOWN	1046367	186986	40.67970040	-73.776047	POINT (-73.776047367	
32	216926020	8/23/20	244	BURGLARY,UNLAWFUL	107	BURGLARY	PL 1402501	F	S	120	0	25-44	F	WHITE	962822	174282	40.64502274	-74.077217	POINT (-74.077216847	
33	216375631	8/10/20	109	ASSAULT 2,1,	106	FELONY ASSAULT	PL 1200502	F	K	70	0	25-44	F	BLACK	995758	171372	40.63705387	-73.958538	POINT (-73.958537532	
34	214659652	6/27/20	101	ASSAULT 3	344	ASSAULT 3 & RELATED OFFENSES	PL 1200001	M	B	42	0	65+	M	BLACK	1012728	246347	40.84280310	-73.897076	POINT (-73.897076400	
35	217307422	9/1/20	157	RAPE 1	104	RAPE	PL 1303501	F	B	48	0	45-64	M	WHITE HISPANIC	1011779	246746	40.84390125	-73.900505	POINT (-73.900504632	
36	216806382	8/20/20	157	RAPE 1	104	RAPE	PL 1303501	F	K	77	0	25-44	M	BLACK	1003606	185050	40.67458330	-73.930222	POINT (-73.930221540	
37	213180014	5/17/20	397	ROBBERY,OFFENSE	105	ROBBERY	PL 1601502	F	M	28	0	18-24	M	WHITE HISPANIC	996345	230977	40.80065443	-73.956315	POINT (-73.956315446	
38	213627593	5/28/20	809	TAX LAW	364	OTHER STATE LAWS (NON PENAL LAWS)	TAX18140B2	M	K	68	0	18-24	M	WHITE	975994	164475	40.61812667	-74.02974	POINT (-74.029739793	

Preparing the Dataset

- ❑ Removed unrelated values/data
 - ❑ Age Group
 - ❑ Null, 1048, 1928, 950, 847...
 - ❑ Perp Gender
 - ❑ U – Undetermined
 - ❑ Ofns Desc (15/91 types excluded)
 - ❑ Null
 - ❑ “Intoxicated & Impaired Driving” vs. “Intoxicated/Impaired Driving”
 - ❑ “Disruption of a Religious Serv”

Name: Ofns Desc – CLEAN

General Condition Top

☒ Select from list ☐ Custom value list ☐ Use all

Enter search text

<input checked="" type="checkbox"/>	KIDNAPPING & RELATED OFFENSES
<input type="checkbox"/>	KIDNAPPING AND RELATED OFFENSES
<input type="checkbox"/>	LOITERING
<input type="checkbox"/>	LOITERING FOR DRUG PURPOSES
<input type="checkbox"/>	LOITERING, BEGGING
<input checked="" type="checkbox"/>	LOITERING/GAMBLING (CARDS, DICE)
<input type="checkbox"/>	LOITERING/GAMBLING (CARDS, DICE, ETC)
<input type="checkbox"/>	MISCELLANEOUS PENAL LAW
<input type="checkbox"/>	MOVING INFRACTIONS
<input checked="" type="checkbox"/>	MURDER & NON-NEGL. MANSLAUGHTER
<input type="checkbox"/>	MURDER & NON-NEGL. MANSLAUGHTER

All None ☒ Exclude

Name: Age Group – CLEAN

General Condition Top

☒ Select from list ☐ Custom value list ☐ Use all

Enter search text

<input checked="" type="checkbox"/>	Null
<input type="checkbox"/>	<18
<input checked="" type="checkbox"/>	1018
<input checked="" type="checkbox"/>	1024
<input checked="" type="checkbox"/>	1042
<input checked="" type="checkbox"/>	1048
<input type="checkbox"/>	18-24
<input checked="" type="checkbox"/>	1916
<input checked="" type="checkbox"/>	1918
<input checked="" type="checkbox"/>	1922
<input checked="" type="checkbox"/>	1928

All None ☒ Exclude

Filters

Age Group - CLEAN 🔗

Perp Gender - CL.. 🔗

Ofns Desc - CLEAN 🔗

QUESTION 1

Which demographic factors, specifically age or gender, are most strongly associated with certain types of offenses?

Question 1: Diagnostic Nature

Identifies Relationships:

- ❑ Question 1 aims to explore relationships between demographic attributes (age and gender) and offense types
- ❑ This helps in diagnosing which factors are more associated with specific behaviors or crime categories

Explains Patterns:

- ❑ Instead of just showing raw counts or distributions (descriptive), our analysis looks for why certain groups might have higher representation in certain offenses
 - ❑ *"Are younger individuals more involved in specific types of crimes, like theft, compared to older groups?"*



Ofns Desc	<18		18-24		Age Group / Perp Sex		45-64		65+		% of Total # of Arrests	
	F	M	F	M	F	M	F	M	F	M	0.01%	100.00%
ABORTION				20.00%		80.00%						
ADMINISTRATIVE CODES		1.16%	1.16%	38.73%	0.58%	49.13%	0.58%	8.67%				
AGRICULTURE & MKT'S LAW-UNCLASSIFIED		1.53%	3.99%	8.59%	22.70%	41.41%	5.52%	11.96%	0.92%	3.37%		
ALCOHOLIC BEVERAGE CONTROL LAW	0.12%	0.52%	5.48%	19.49%	16.34%	38.19%	5.86%	22.02%	0.27%	1.71%		
ANTICIPATORY OFFENSES		0.92%	7.13%	5.98%	18.07%	8.06%	32.34%	5.29%	19.45%	0.23%	2.53%	
ARSON		2.06%	10.84%	3.34%	16.32%	8.83%	36.63%	4.07%	15.94%	0.39%	1.59%	
ASSAULT 3 & RELATED OFFENSES		3.34%	4.99%	6.68%	15.71%	12.01%	39.26%	3.42%	13.39%	0.18%	1.01%	
BURGLAR'S TOOLS		1.15%	6.03%	2.71%	15.41%	4.19%	40.33%	1.88%	27.59%	0.08%	0.63%	
BURGLARY	0.93%	18.83%	4.83%	2.15%	19.02%	4.65%	40.95%	1.46%	21.37%	0.04%	0.61%	
CANNABIS RELATED OFFENSES		0.53%	7.12%	28.29%	7.30%	51.07%		0.71%	4.98%			
CHILD ABANDONMENT/(NON SUPPORT			9.80%	2.94%	53.43%	23.53%	4.90%	5.39%				
CHILD ABANDONMENT/(NON SUPPORT 1	0.84%	0.21%	15.40%	5.49%	45.78%	23.00%	4.64%	4.43%		0.21%		
CRIMINAL MISCHIEF & RELATED OFFENSES	2.16%	15.69%	4.46%	24.02%	6.23%	35.99%	1.48%	9.48%	0.06%	0.43%		
CRIMINAL TRESPASS	1.93%	10.58%	3.88%	25.04%	5.98%	35.98%	2.58%	15.62%	0.06%	0.57%		
DANGEROUS DRUGS	0.55%	4.82%	3.05%	24.53%	6.42%	38.34%	3.53%	17.94%	0.07%	0.74%		
DANGEROUS WEAPONS	0.82%	9.79%	2.65%	32.11%	3.13%	39.33%	0.94%	10.56%	0.06%	0.62%		
DISORDERLY CONDUCT	1.15%	8.12%	3.99%	30.08%	5.18%	36.21%	1.99%	11.86%	0.54%	0.87%		
DISRUPTION OF A RELIGIOUS SERVICE		7.14%	5.36%	17.86%	10.71%	26.79%	8.93%	23.21%				
ENDANGER WELFARE INCOMP		0.35%	7.45%	8.32%	27.39%	32.24%	7.97%	13.34%		1.91%	1.04%	
ESCAPE 3	4.59%	14.77%	4.26%	25.90%	5.57%	36.39%	1.97%	13.97%				
F.C.A. P.I.N.O.S.	0.94%	0.92%	2.02%	16.84%	6.89%	53.55%	2.18%	15.44%	0.11%	1.11%		
FELONY ASSAULT	2.37%	6.16%	6.12%	17.29%	13.97%	36.82%	4.06%	12.17%	0.27%	1.05%		
FELONY SEX CRIMES					100.00%							
FOR OTHER AUTHORITIES	0.01%	0.13%	1.18%	15.33%	6.01%	57.23%	2.28%	16.31%	0.13%	1.32%		
FORCIBLE TOUCHING	0.73%	11.77%	0.33%	14.03%	0.76%	45.48%	0.45%	23.03%	0.03%	3.36%		
FORGERY	0.26%	1.85%	3.59%	24.75%	5.74%	47.25%	1.66%	14.36%	0.06%	0.49%		
FORTUNE TELLING	8.33%		8.33%		50.00%	25.00%	8.33%					
FRAUDS	0.84%	4.57%	3.51%	26.23%	6.07%	43.52%	1.95%	12.79%	0.05%	0.46%		
FRAUDULENT ACOSTING	0.25%	2.53%	0.94%	9.24%	2.25%	32.73%	2.57%	47.40%		2.08%		
GAMBLING	0.06%	3.96%	1.78%	17.70%	6.34%	33.96%	6.12%	4.76%		1.12%		
GRAND LARCENY	1.92%	8.73%	6.86%	18.62%	11.97%	33.44%	4.22%	13.38%	0.22%	0.64%		
GRAND LARCENY OF MOTOR VEHICLE	1.58%	14.42%	3.80%	33.92%	4.17%	33.06%	0.61%	8.13%	0.02%	0.29%		
HARRASSMENT 2	2.16%	2.04%	7.01%	13.69%	15.18%	43.18%	3.45%	12.68%	0.09%	0.51%		
HARRASSMENT 2	1.85%	4.65%	7.20%	19.17%	10.41%	39.70%	2.84%	13.20%	0.08%	0.90%		
HOMECIDE-UNCLASSIFIED		1.43%	2.86%	33.55%	7.86%	42.86%	0.71%	1.57%	0.71%	1.43%		
HOMICIDE-NEGLIGENT/UNCLASSIFIED		4.85%	3.03%	32.12%	7.27%	36.36%	1.82%	11.52%		3.03%		
INTOXICATED/IMPAIRED DRIVING	0.09%	0.85%	6.82%	5.82%	60.39%	1.53%	22.95%	0.06%	1.48%			
JOSTLING	1.11%	6.02%	2.22%	19.18%	5.39%	36.93%	1.74%	24.88%	0.48%	2.06%		
KIDNAPPING				12.24%		38.78%	4.08%	38.78%		6.12%		
KIDNAPPING AND RELATED OFFENSES					50.00%			50.00%				
LOITERING	0.28%	7.22%	1.39%	20.28%	1.53%	29.17%	0.14%	89.17%		0.83%		
LOITERING FOR DRUG PURPOSES	0.86%	6.72%	3.10%	22.76%	7.93%	35.52%	3.45%	18.97%	0.17%	0.52%		
LOITERING/BEGGING					100.00%							
LOITERING/GAMBLING (CARDS, DICE, ETC)	0.35%	7.96%	0.35%	37.70%	0.53%	36.99%	1.06%	12.57%	0.35%	2.12%		
MISCELLANEOUS PENAL LAW	0.55%	3.20%	2.99%	19.41%	7.28%	46.66%	2.54%	16.32%	0.12%	0.93%		
MOVING VIOLATIONS	0.05%	2.11%	0.27%	20.95%	4.23%	52.51%	1.06%	10.87%		1.54%		
MURDER & NON-NEGL. MANSLAUGHTER	0.57%	9.79%	1.77%	39.13%	2.80%	37.55%	0.69%	7.03%	0.04%	0.58%		
NEW YORK CITY HEALTH CODE		0.19%	0.39%	13.90%	1.35%	55.21%	0.77%	27.03%		1.16%		
NYS LAWS-UNCLASSIFIED FELONY	0.02%	0.16%	1.07%	11.37%	5.66%	56.34%	1.78%	21.84%	0.02%	1.75%		
NYS LAWS-UNCLASSIFIED VIOLATION					33.33%	66.67%						
OFF. AGAINST PUB. ORD. SENSIBLY & RIGHTS T.	1.62%	6.09%	6.15%	15.57%	13.29%	38.80%	3.49%	14.04%	0.10%	0.84%		
OFFENSES AGAINST MARRIAGE UNCLASSIF.					100.00%							
OFFENSES AGAINST PUBLIC ADMINISTRAT.	2.12%	6.94%	5.62%	25.43%	7.58%	38.83%	2.01%	10.88%	0.08%	0.51%		
OFFENSES AGAINST PUBLIC SAFETY	0.71%	5.18%	2.93%	30.51%	3.89%	45.84%	1.17%	9.32%	0.04%	0.42%		
OFFENSES AGAINST THE PERSON	1.29%	10.34%	2.95%	29.41%	5.16%	38.99%	1.51%	9.59%	0.11%	0.63%		
OFFENSES INVOLVING FRAUD	0.21%	1.22%	2.83%	18.70%	9.35%	44.06%	1.15%	11.55%		1.89%		
OFFENSES RELATED TO CHILDREN	0.25%	1.84%	5.52%	17.35%	12.95%	34.51%	3.97%	22.03%	0.36%	1.23%		
OTHER OFFENSES RELATED TO THEFT	1.55%	9.48%	4.62%	32.83%	4.35%	32.09%	1.45%	13.40%	0.01%	0.21%		
OTHER STATE LAWS	0.20%	2.69%	1.58%	22.40%	3.53%	45.13%	1.74%	21.98%	0.03%	0.73%		
OTHER STATE LAWS (NON PENAL LAW)	0.16%	1.54%	1.28%	12.07%	5.51%	41.34%	4.22%	31.66%	0.25%	1.98%		
OTHER TRAFFIC INFRACTION	0.01%	0.25%	1.73%	18.63%	5.80%	54.51%	1.27%	16.72%	0.03%	0.72%		
PARKING OFFENSES					4.73%	50.39%		12.43%		1.70%		
PETIT LARCENY	2.92%	4.37%	7.09%	10.55%	13.47%	32.79%	6.97%	20.42%	0.52%	0.90%		
POSSESSION OF STOLEN PROPERTY	1.21%	8.08%	3.83%	27.09%	5.56%	38.80%	1.56%	13.31%	0.08%	0.49%		
POSSESSION OF STOLEN PROPERTY 5	6.65%	6.73%	11.17%	12.30%	14.24%	26.18%	7.29%	14.52%	0.38%	0.53%		
PROSTITUTION & RELATED OFFENSES	1.28%	0.62%	17.09%	9.46%	27.69%	26.78%	7.84%	8.70%	0.11%	0.51%		
RAPE	0.14%	6.38%	0.30%	27.33%	0.80%	49.58%		0.01%	0.96%			
ROBBERY	3.88%	27.09%	3.04%	27.45%	3.56%	27.62%	0.76%	6.40%	0.02%	0.17%		
SEX CRIMES	0.80%	7.40%	3.95%	11.79%	13.39%	41.72%	2.38%	16.37%	0.16%	2.04%		
THEFT OF SERVICES		0.27%	0.62%	9.37%	0.88%	48.54%	2.12%	35.99%		2.21%		
THEFT-FRAUD	0.24%	0.85%	8.02%	15.76%	15.05%	37.80%	4.40%	16.41%	0.20%	1.25%		
UNAUTHORIZED USE OF A VEHICLE	1.94%	13.37%	6.41%	23.14%	6.48%	40.27%	1.15%	14.43%		0.54%		
UNAUTHORIZED USE OF A VEHICLE 3 (UUV)	1.24%	11.08%	3.79%	32.63%	4.60%	37.22%	0.79%	8.32%	0.01%	0.32%		
UNDER THE INFLUENCE, DRUGS	0.99%	18.18%	18.18%	27.27%		27.27%						
UNLAWFUL POSS. WEAP. ON SCHOOL GROU..	9.52%	68.25%	3.17%	19.05%								
VEHICLE AND TRAFFIC LAWS	0.01%	0.18%	1.61%	16.46%	6.36%	54.18%	1.46%	18.60%	0.05%	1.10%		

% of Total # of Arrests broken down by Age Group and Perp Sex vs. Ofns Desc. Color shows % of Total # of Arrests. The marks are labeled by % of Total # of Arrests. The data is filtered by Age Group - CLEAN, Perp Sex - CLEAN and Ofns Desc - CLEAN. The Age Group - CLEAN filter keeps 5 members. The Perp Sex - CLEAN filter keeps 2 members. The Ofns Desc - CLEAN filter keeps 76 members.

ANALYSIS

– **Males in the 25–44 Age Group** consistently make up the majority of arrests across **ALL** offenses

– There are **sharp increases in drug-related arrests from 18–24 Males to 25–44 Males**

– Cannabis Related Offenses: 28.29% → 51.07%

– Dangerous Drugs: 24.53% → 38.34%

– Other increases: Grand Larceny of Motor Vehicle, Forcible Touching, Disorderly Conduct, Criminal Trespass

– **Males in Age Groups <18, 18–24, and 25–44** are consistently involved in **Robbery**

– 27.09% → 27.45% → 27.62%, respectively

Ofns Desc	<18		18-24		Age Group / Perp Sex 25-44		45-64		65+		% of Total # of Arrests
	F	M	F	M	F	M	F	M	F	M	
ABORTION				0.00%		0.00%					
ADMINISTRATIVE CODES		0.00%	0.00%	0.01%		0.00%		0.00%		0.00%	
AGRICULTURE & MKRTS LAW-UNCLASSIFIED		0.00%	0.01%	0.00%	0.02%	0.01%	0.01%	0.00%	0.04%	0.03%	
ALCOHOLIC BEVERAGE CONTROL LAW	0.01%	0.01%	0.01%	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%	0.00%	
ANTICIPATORY OFFENSES		0.01%	0.02%	0.01%	0.02%	0.01%	0.03%	0.02%	0.03%	0.05%	
ARSON		0.06%	0.07%	0.03%	0.03%	0.05%	0.04%	0.06%	0.04%	0.13%	0.09%
ASSAULT 3 & RELATED OFFENSES	23.57%	8.71%	17.22%	8.20%	16.79%	11.20%	12.70%	9.56%	15.26%	14.56%	
BURGLAR'S TOOLS		0.13%	0.16%	0.11%	0.13%	0.09%	0.18%	0.11%	0.31%	0.11%	0.14%
BURGLARY		0.97%	2.27%	0.82%	1.47%	0.96%	1.73%	0.80%	2.25%	0.49%	1.29%
CANNABIS RELATED OFFENSES			0.00%	0.02%	0.01%	0.01%	0.01%	0.00%			
CHILD ABANDONMENT/(NON SUPPORT				0.01%	0.00%	0.03%	0.00%	0.01%	0.00%		
CHILD ABANDONMENT/(NON SUPPORT 1		0.00%	0.00%	0.03%	0.00%	0.05%	0.01%	0.01%	0.00%		0.00%
CRIMINAL MISCHIEF & RELATED OFFENSES		3.67%	6.60%	2.77%	3.02%	2.10%	2.47%	1.33%	1.63%	1.26%	1.47%
CRIMINAL TRESPASS			4.63%	6.23%		2.84%	1.66%		1.77%	2.80%	
DANGEROUS DRUGS		7.25%	15.63%	14.60%	23.76%	16.66%	20.31%	24.28%	23.77%	11.72%	19.64%
DANGEROUS WEAPONS		2.12%	6.26%	2.50%	6.14%	1.60%	4.11%	1.28%	2.76%	1.83%	3.26%
DISORDERLY CONDUCT		0.42%	0.73%	0.53%	0.80%	0.37%	0.53%	0.38%	0.43%	2.36%	0.64%
DISRUPTION OF A RELIGIOUS SERVICE			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
ENDANGER WELFARE INCOMP			0.00%	0.02%	0.00%	0.04%	0.01%	0.03%	0.01%	0.15%	0.01%
ESCAPE 3		0.02%		0.01%	0.01%	0.00%	0.01%				
F.C.A. P.I.N.O.S.		0.17%	0.04%	0.14%	0.23%	0.25%	0.40%	0.21%	0.29%	0.25%	0.42%
FELONY ASSAULT		7.31%	4.71%	6.90%	3.95%	8.39%	4.60%	6.60%	3.81%	9.88%	6.61%
FELONY SEX CRIMES						0.00%					
FOR OTHER AUTHORITIES		0.00%	0.00%	0.04%	0.10%	0.10%	0.20%	0.10%	0.14%	0.14%	0.23%
FORCIBLE TOUCHING		0.09%	0.35%	0.01%	0.12%	0.02%	0.22%	0.03%	0.28%	0.04%	0.81%
FORGERY		0.29%	0.50%	1.44%	2.02%	1.25%	2.10%	0.96%	1.60%	0.74%	1.09%
FORTUNE TELLING			0.00%		0.00%	0.00%	0.00%				
FRAUDS		0.21%	0.28%	0.32%	0.49%	0.30%	0.44%	0.26%	0.32%	0.14%	0.24%
FRAUDULENT ACOSTING		0.01%	0.02%	0.01%	0.02%	0.01%	0.04%	0.04%	0.14%		0.12%
GAMBLING		0.01%	0.17%	0.01%	0.22%	0.21%	0.46%	0.43%	2.29%	1.65%	
GRAND LARCENY		3.39%	3.83%	4.44%	2.44%	4.20%	2.40%	3.93%	2.40%	4.72%	2.31%
GRAND LARCENY OF MOTOR VEHICLE		0.39%	0.87%	0.34%	0.61%	0.20%	0.33%	0.08%	0.20%	0.07%	0.15%
HARRASSMENT 2		0.27%	0.06%	0.32%	0.13%	0.38%	0.22%	0.23%	0.16%	0.14%	0.13%
HARRASSMENT 2		0.05%	0.03%	0.07%	0.04%	0.06%	0.05%	0.04%	0.04%	0.03%	0.05%
HOMICIDE-NEGLECTANT-VEHICLE			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	
HOMICIDE-NEGLECTANT/UNCLASSIFIED			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.01%	
INTOXICATED/IMPAIRED DRIVING		0.00%	0.05%	0.07%	0.17%	0.36%	0.12%	0.34%	0.10%	0.45%	
JOSTLING		0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.04%	0.03%	
KIDNAPPING				0.00%		0.00%	0.00%	0.00%			0.01%
KIDNAPPING AND RELATED OFFENSES						0.00%		0.00%			
LOITERING		0.00%	0.01%	0.00%	0.01%	0.00%		0.00%			0.01%
LOITERING FOR DRUG PURPOSES		0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	
LOITERING/BEGGING						0.00%					
LOITERING/GAMBLING (CARDS, DICE, ETC)		0.00%	0.01%	0.00%	0.02%	0.00%	0.01%	0.00%	0.01%	0.03%	0.03%
MISCELLANEOUS PENAL LAW		1.43%	2.06%	2.84%	3.73%	3.75%	4.91%	3.47%	4.29%	3.79%	4.94%
MOVING VIOLATIONS			0.00%	0.03%	0.07%	0.00%	0.11%	0.07%	0.17%		
MURDER & NON-NEGL. MANSLAUGHTER		0.08%	0.34%	0.09%	0.41%	0.08%	0.22%	0.05%	0.10%	0.07%	0.17%
NEW YORK CITY HEALTH CODE			0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.02%		0.01%
NYS LAWS-UNCLASSIFIED FELONY		0.00%	0.00%	0.02%	0.04%	0.06%	0.12%	0.05%	0.12%	0.01%	0.19%
NYS LAWS-UNCLASSIFIED VIOLATION						0.00%					
OFF. AGNST PUB ORD SENSIBLY & RIGHTS T.		1.25%	1.16%	1.73%	0.89%	2.03%		1.21%		0.95%	1.32%
OFFENSES AGAINST MARRIAGE UNCLASSIF.						0.00%					
OFFENSES AGAINST PUBLIC ADMINISTRATI..		3.87%	3.13%	3.74%	3.42%	2.74%	2.86%	1.93%	2.00%	1.67%	1.91%
OFFENSES AGAINST PUBLIC SAFETY		0.02%	0.04%	0.03%	0.06%	0.02%	0.05%	0.02%	0.03%	0.01%	0.02%
OFFENSES AGAINST THE PERSON		0.41%	0.80%	0.34%	0.68%	0.32%	0.50%	0.25%	0.30%	0.40%	0.41%
OFFENSES INVOLVING FRAUD			0.10%	0.14%	0.48%	0.88%	1.21%	0.88%			0.88%
OFFENSES RELATED TO CHILDREN		0.01%	0.01%	0.07%	0.04%	0.08%	0.05%	0.07%	0.14%	0.08%	
OTHER OFFENSES RELATED TO THEFT		5.50%	8.30%	5.97%	8.59%	3.06%	4.59%	2.69%	4.80%	0.52%	1.55%
OTHER STATE LAWS		0.56%	1.88%	1.63%	4.70%	1.99%	5.18%	2.60%	6.31%	0.91%	4.20%
OTHER STATE LAWS (NON PENAL LAW)		0.14%	0.35%	0.43%	0.82%	1.01%	1.54%	2.05%	2.95%	2.80%	3.71%
OTHER TRAFFIC INFRACTION		0.02%	0.13%		1.38%	2.90%	4.67%	1.40%	3.56%	0.80%	3.10%
PARKING OFFENSES				0.00%	0.00%	0.00%	0.00%				0.01%
PETIT LARCENY		9.48%	3.50%	8.39%	2.53%	8.66%	4.30%	11.88%	6.70%	20.31%	5.93%
POSSESSION OF STOLEN PROPERTY		0.40%	0.67%	0.47%	0.67%	0.37%	0.53%	0.27%	0.45%	0.32%	0.33%
POSSESSION OF STOLEN PROPERTY 5		11.59%	2.90%	7.11%	1.50%	4.92%	1.85%	6.69%	2.56%	7.97%	1.90%
PROSTITUTION & RELATED OFFENSES		0.71%	0.08%	3.47%	0.39%	3.04%	0.60%	2.29%	0.49%	0.74%	0.58%
RAPE			0.02%	0.27%		0.04%	0.34%		0.01%	0.39%	
ROBBERY		8.58%	14.82%	2.45%	4.49%	1.56%	2.47%	0.89%	1.43%	0.40%	0.78%
SEX CRIMES		0.47%	1.09%	0.86%	0.52%	1.57%	1.00%	0.74%	0.98%	1.14%	2.47%
THEFT OF SERVICES			0.00%	0.00%	0.01%	0.00%	0.03%	0.01%	0.05%		0.06%
THEFT-FRAUD		0.03%	0.02%	0.34%	0.13%	0.34%	0.18%	0.26%	0.19%	0.28%	0.29%
UNAUTHORIZED USE OF A VEHICLE			0.06%	0.11%	0.05%	0.04%	0.05%			0.04%	
UNAUTHORIZED USE OF A VEHICLE 3 (UUV)		0.16%	0.36%	0.18%	0.32%	0.12%	0.20%	0.05%	0.11%	0.01%	0.09%
UNDER THE INFLUENCE, DRUGS		0.00%	0.00%	0.00%	0.00%		0.00%				
UNLAWFUL POSS. WEAP. ON SCHOOL GROU..		0.01%	0.01%	0.00%	0.00%						
VEHICLE AND TRAFFIC LAWS		0.03%	0.12%	1.57%	3.25%	3.37%	5.85%	2.05%	5.03%	1.76%	5.97%

% of Total # of Arrests broken down by Age Group and Perp Sex vs. Ofns Desc. Color shows % of Total # of Arrests. The marks are labeled by % of Total # of Arrests. The data is filtered by Age Group - CLEAN, Perp Sex - CLEAN and Ofns Desc - CLEAN. The Age Group - CLEAN filter keeps 5 members. The Perp Sex - CLEAN filter keeps 2 members. The Ofns Desc - CLEAN filter keeps 76 members.

ANALYSIS

BOTH Genders for ALL Age Groups have mostly been arrested for **Dangerous Drugs**, especially Male and Females in the 45-64 Age Group

Females in ALL Age Groups are most likely to be arrested for **Assault 3 & Related Offenses** compared to all the other types of offenses

Petit Larceny is a very common offense committed among **Females** across **ALL Age Group**

<18: 9.48% 18-24: 8.39%
25-44: 8.66% 45-64: 11.66% 65+: 20.31%

Question 1: Implications

Enable law enforcement and social services to:

- ❑ Identify underlying systemic behavioral problems leading to arrests
- ❑ Identify high-risk demographics to divert their focus to in order to maximize impact

Drug Policy Reforms

- ❑ Improve public health campaigns to educate on the dangers of drug use and provide alternatives
- ❑ Build drug courts to redirect individuals away from the traditional criminal justice system and toward supportive resources, instead

Tailored Interventions:

- ❑ Local communities and governments can start programs that target specific groups
 - ❑ Substance abuse rehab for males and females aged 45-64
 - ❑ Youth programs to prevent delinquency



QUESTION 2

Which boroughs are likely to see an increase/decrease in arrests over the next 6 years?

Question 2: Predictive Nature

Estimating future outcomes:

- ❑ Question 2 aims to analyze past data to forecast what might happen next
- ❑ COVID-19 pandemic caused a huge decline in the number of crime and arrests nationwide—does that effect still hold true?

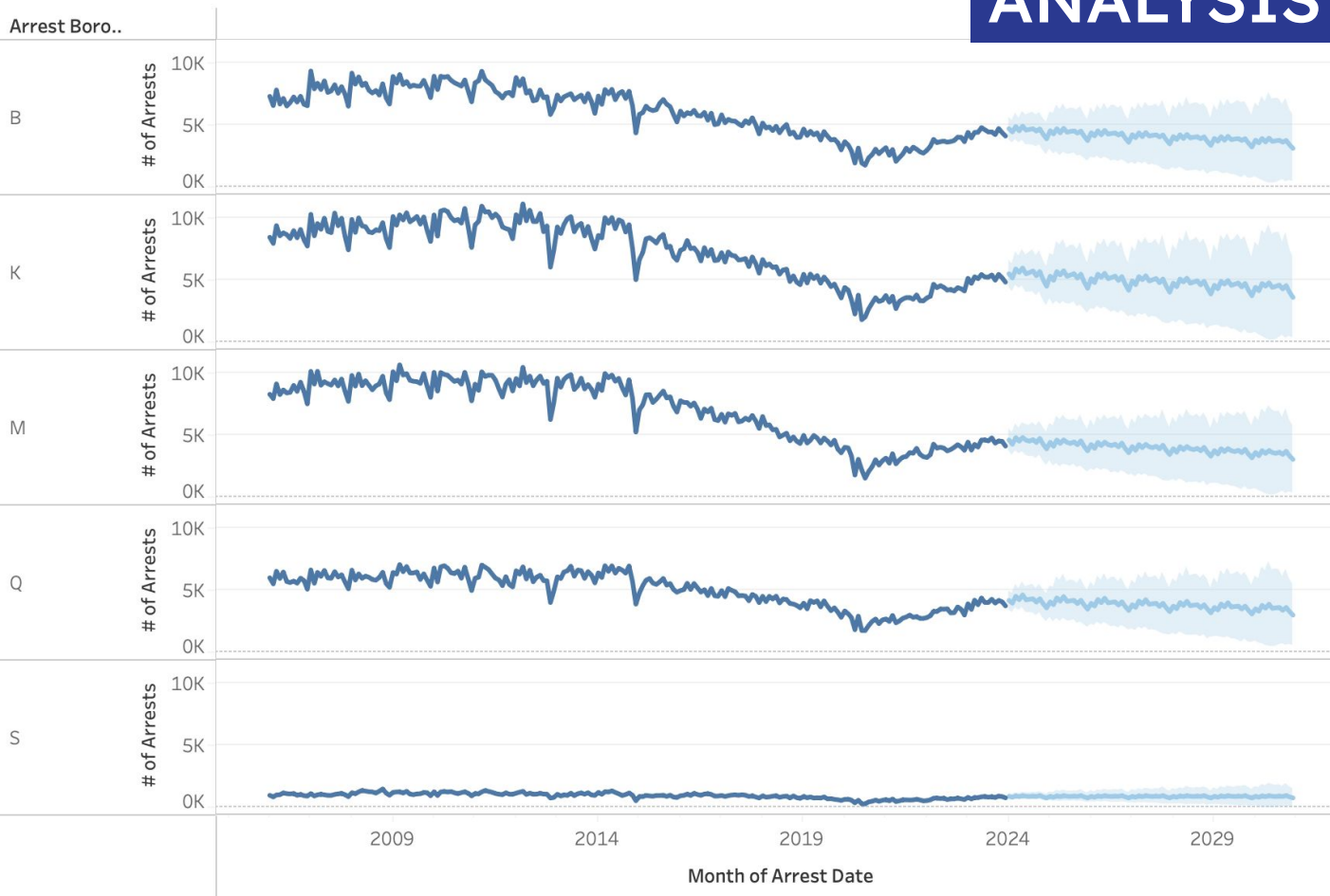
External Factors:

- Policy changes in criminal justice or law enforcement.
- Socioeconomic shifts impacting crime rates differently in boroughs.



Predicted Forecast for # of Arrests for each Borough until 2030

ANALYSIS



All boroughs of New York are expected to see a **slight decrease in crime** for the next 6 years, **except for Staten Island** which will see a **very slight increase**

Indication of a broad **shift in focus to crime prevention**

Might signal **better relationships between law enforcement and communities**

The trend of # of Arrests (actual & forecast) for Arrest Date Month broken down by Arrest Boro - CLEAN. Color shows details about Forecast indicator. The view is filtered on Arrest Boro - CLEAN, which keeps 5 members.

Question 2: Implications

Targeted Police Deployment:

- ❑ Resources such as patrol officers, investigative units, or community policing programs can be allocated proportionally based on boroughs with higher or more stable arrest numbers (B, K, M, and Q), whereas boroughs with consistently lower numbers (S) might not require as much focus

Shifting Focus to Crime Prevention:

- ❑ The forecasted slight decline in arrests suggests that fewer resources may be needed for processing arrests. These resources could instead be redirected toward proactive measures, such as community outreach, education, or crime prevention initiatives.





Questions?