

# NYC Motor Vehicle Collisions Analysis



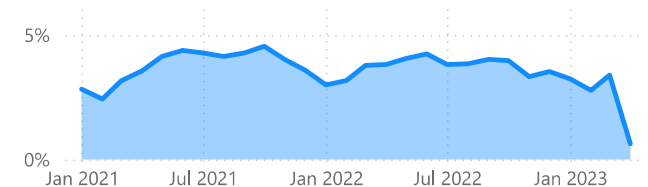
This report analyzes **238421** collisions reported by NYPD from January 2021 to April 2023. The data covers all **boroughs** , including **cross streets** and **street names**. It provides insights on persons injured, killed and contributing factors.

Borough ▼

Manhattan ▼

Total...	Total...	Total...	Total...	Total...
3..	1..	1..	9..	4..

%GT Count of Collision ID by Year and Month



DateOfTheWeek	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total
Wednesday	222	79	74	55	59	80	153	201	312	294	285	292	302	310	325	348	383	328	350	311	256	219	225	198	5661
Tuesday	191	67	80	40	43	80	135	212	279	300	269	253	312	333	357	362	330	361	342	256	211	201	198	175	5387
Thursday	230	99	72	66	56	87	135	200	302	295	279	338	324	339	357	364	384	360	353	292	228	200	223	199	5782
Sunday	312	256	177	169	205	125	92	90	120	120	134	169	218	224	246	268	255	246	246	249	195	213	203	183	4715
Saturday	342	275	195	229	180	117	118	114	186	152	187	224	244	259	261	301	294	290	287	287	312	249	245	273	5621
Monday	223	111	94	56	79	106	138	182	274	241	253	240	252	277	284	344	327	278	292	218	218	189	151	151	4978
Friday	247	122	87	82	81	84	155	210	279	301	271	336	333	314	345	347	367	385	338	310	282	276	263	275	6090
Total	1767	1009	779	697	703	679	926	1209	1752	1703	1678	1852	1985	2056	2175	2334	2340	2248	2208	1923	1702	1547	1508	1454	38234

## Collisions By day of the week insight:

Collisions are most frequency between 2: 00 PM to 5:00 PM on weekdays, followed by 8 AM, indicating that the increased traffic during rush hour leads higher accident risk. Comparatively , the lowest collision rate occurs between 1:00 AM to 6:00 AM, the time when people lest activity.



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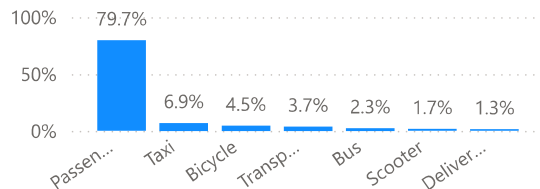


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## Borough

Manhattan

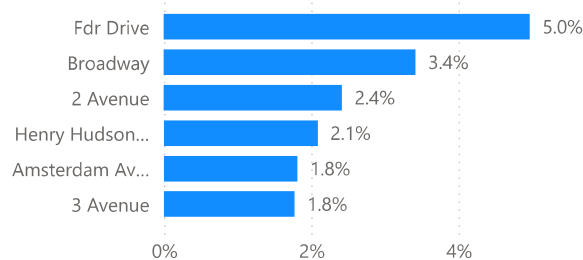
### %GT Count of Collision ID by Vehicle Type



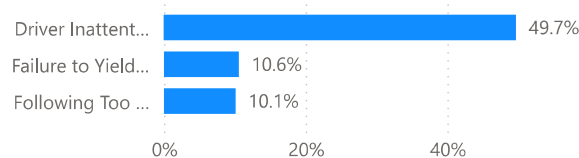
### The most collisions vehicles insight:

Among the top 7 most frequently involved vehicle types, passenger vehicles were the most frequent, accounting for 94.5% of all collisions in all borough. This indicates that all regular cars are most frequently involved in accidents. Emphasizes the need to pay attention to traffic safety.

### %GT Count of Collision ID by Street Name



### %GT Count of Collision ID by Contributing Factor



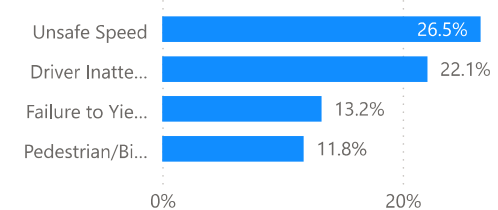
### The most contributing factors of collisions:

The top contributing factor of collisions is Driver inattention/Distracted driving, accounting for 54.3% of all contributing factors in collisions.

### Collisions by street name insights:

Collisions occurred significantly on Staten Island borough's Staten Island Expressway, Hyland Boulevard and Richmond Avenue, with the most frequently in Staten Island Expressway, accounting for 8.4% of all collisions. This indicates these street are high-risk areas for traffic accidents and warrants a special attention to safety measures.

### %GT Total Persons Killed by Contributing Factor



### Fatal Accident by contributing factor Insight:

The top contributing factor for fatal accidents is unsafe speed, accounting for 34.8% for all fatal accidents.

