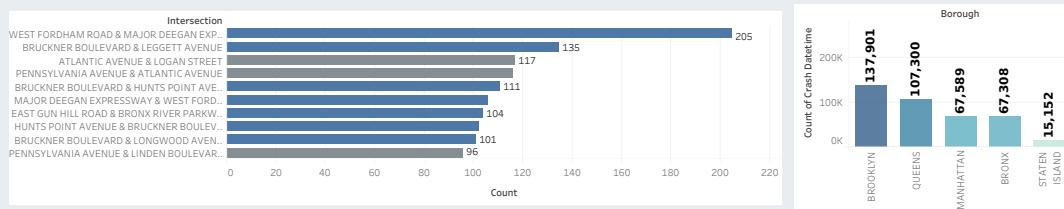
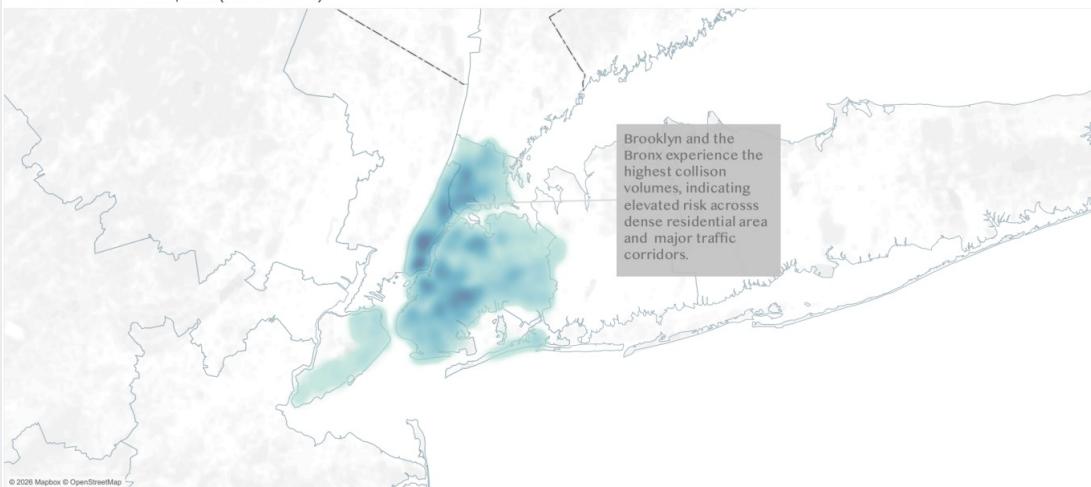


## NYC Crash Collision Hotspots (2020-2025)

Spatial and temporal analysis of traffic collisions to identify high-risk locations, peak crash periods, and contributing factors

### NYC Collisions Hotspots (2020-2025)

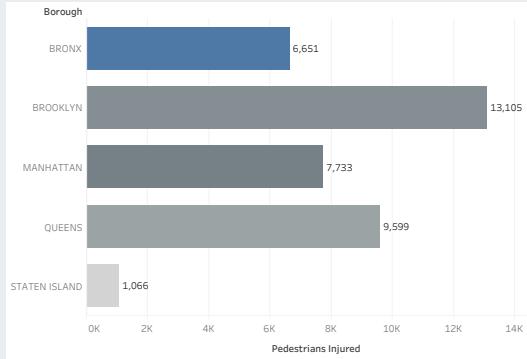


Crash Week	Crash Time																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sunday	5.94%	4.07%	3.47%	3.40%	3.62%	2.86%	2.30%	2.06%	2.76%	3.16%	3.71%	4.22%	4.52%	4.88%	5.46%	5.23%	5.54%	5.65%	5.37%	4.96%	4.67%	4.51%	4.10%	3.55%
Monday	4.14%	2.08%	1.54%	1.31%	1.53%	1.77%	2.72%	4.16%	5.96%	5.29%	4.76%	4.94%	5.39%	5.33%	6.24%	6.47%	6.54%	6.52%	5.73%	4.74%	4.02%	3.46%	2.99%	2.37%
Tuesday	3.53%	1.36%	0.95%	0.92%	0.85%	1.34%	2.52%	4.01%	6.36%	5.60%	5.07%	5.15%	5.45%	5.49%	6.37%	6.60%	6.93%	6.85%	6.14%	5.09%	4.23%	3.48%	3.09%	2.62%
Wednesday	3.57%	1.47%	1.21%	1.00%	0.98%	1.41%	2.51%	3.86%	5.91%	4.87%	4.80%	5.04%	5.25%	5.52%	6.45%	6.60%	7.00%	6.92%	6.27%	5.27%	4.19%	3.76%	3.42%	2.72%
Thursday	3.63%	1.59%	1.15%	0.97%	1.13%	1.35%	2.44%	3.82%	5.99%	5.05%	4.83%	5.14%	5.37%	5.28%	6.31%	6.35%	6.87%	6.91%	5.94%	5.38%	4.50%	3.69%	3.39%	2.93%
Friday	3.88%	1.70%	1.44%	1.20%	1.25%	1.42%	2.40%	3.57%	5.41%	4.74%	4.44%	4.69%	5.43%	5.41%	5.94%	6.23%	6.69%	6.64%	5.90%	5.20%	4.55%	4.22%	4.02%	3.61%
Saturday	5.18%	3.38%	2.94%	2.80%	2.94%	2.36%	2.19%	2.18%	3.09%	3.47%	4.09%	4.34%	4.84%	5.12%	5.45%	5.27%	5.71%	5.69%	5.57%	5.20%	4.97%	4.61%	4.55%	4.04%

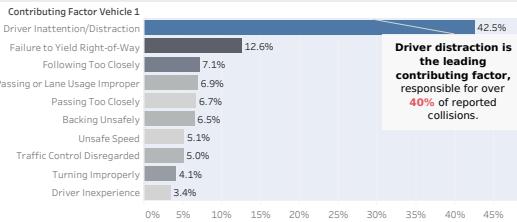
### Peak Collision Timing

NYC collisions consistently peak during the **evening commute (4-7PM)** across all weekdays. This pattern aligns with increased traffic density, driver fatigue, and reduced visibility as daylight fades-- indicating a persistent high-risk window regardless of day.

### Pedestrian Injuries by Borough



### Top Contributing Factors to NYC Collisions



### Contributing Factors

Driver behavior is the dominant contributor to NYC traffic collisions. Distraction alone accounts for over 40% of reported crashes, more than three times higher than the next leading factor. Failure to yield and following too closely further indicate systemic issues related to attention, compliance, and roadway awareness --suggesting that enforcement and behavioral interventions may be more impactful than infrastructure changes alone.

### Yearly Look on the Decline of NYC Collisions



### Trend Insight: Collision Volume Over Time

Between 2020 and 2025, total reported traffic collisions in New York City show a **gradual downward trend**, with noticeable declines following peak pandemic-era activity. While overall collision counts have decreased, the reduction has **not been uniform across all locations or collision types**.

High-density corridors and major arterial roads continue to experience elevated collision activity, indicating that **risk remains concentrated rather than eliminated**. This suggests that while citywide safety initiatives may be contributing to fewer total incidents, **targeted interventions at high-risk intersections and boroughs are still necessary** to meaningfully reduce injuries and fatalities.

Viz Designed by: Shayad Brown

Source: NYC Open Data -- Motor Vehicle Collisions (2020 - 2025)