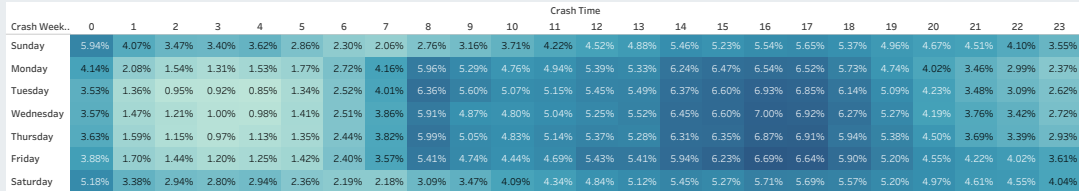
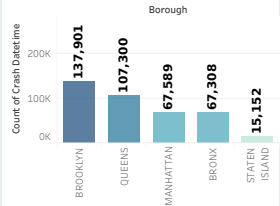
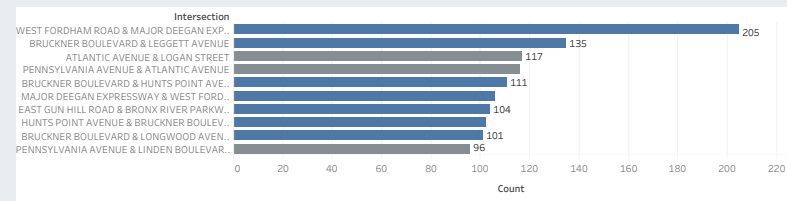
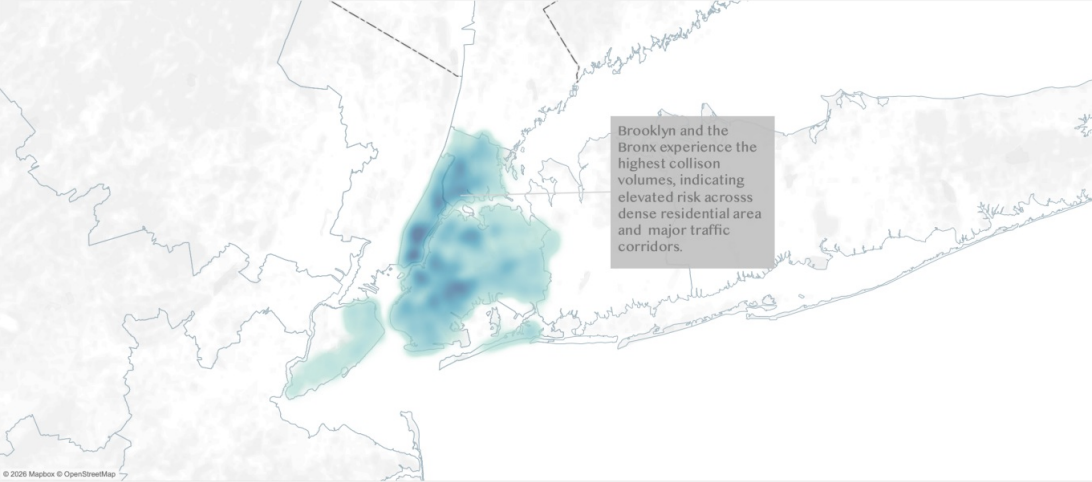


NYC Crash Collision Hotspots (2020-2025)

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

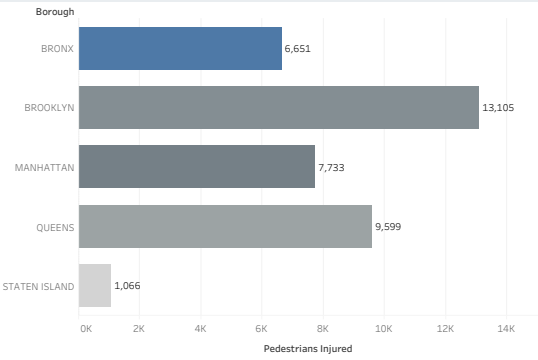
NYC Collisions Hotspots (2020-2025)



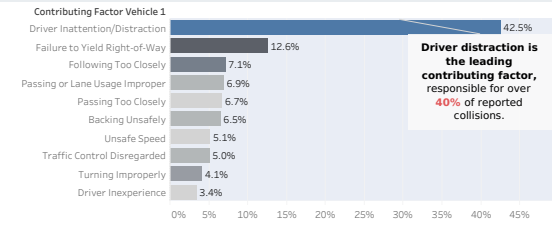
Peak Collision Timing

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: Shaday Brown

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