Member 1 – Seif

RQ1:

Which NYC borough has the highest crash rate relative to its population (crashes per 100,000 residents)?

RQ2:

How did the number of motor vehicle collisions change between 2015 and 2023 across different boroughs?

Member 2 – Yahia

RQ3:

What are the top contributing human factors (e.g., speeding, inattention, alcohol) associated with severe crashes (fatalities)?

RQ4:

Which hours of the day experience the highest frequency of motor vehicle crashes, and how does this vary by weekday versus weekend?

Member 3 – Ahmed

RQ5:

Which types of road users (pedestrians, cyclists, motorists) are most affected in crashes, and how has this changed over time?

RQ6:

How do crash patterns vary seasonally (month-to-month), and are there specific months with significantly higher crash rates?

Member 4 – Yassin

RQ7:

Which vehicle types (e.g., sedans, SUVs, trucks, motorcycles) are most frequently involved in NYC crashes?

RQ8:

Are certain intersections or geographical clusters (NYC hotspots) consistently responsible for high crash density?