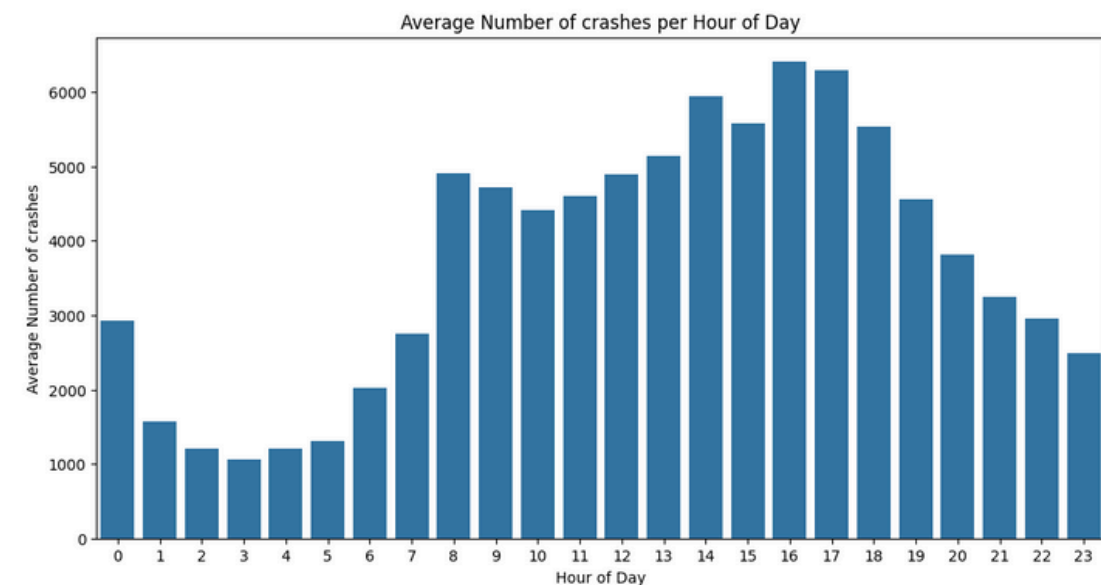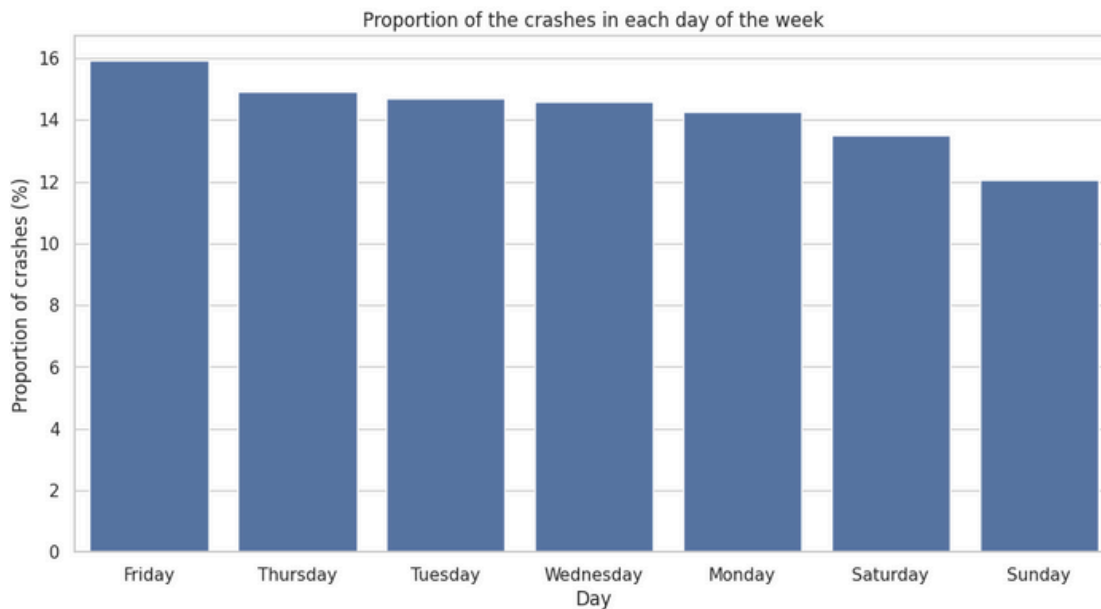# NYC Transportation Data Science Project 2025
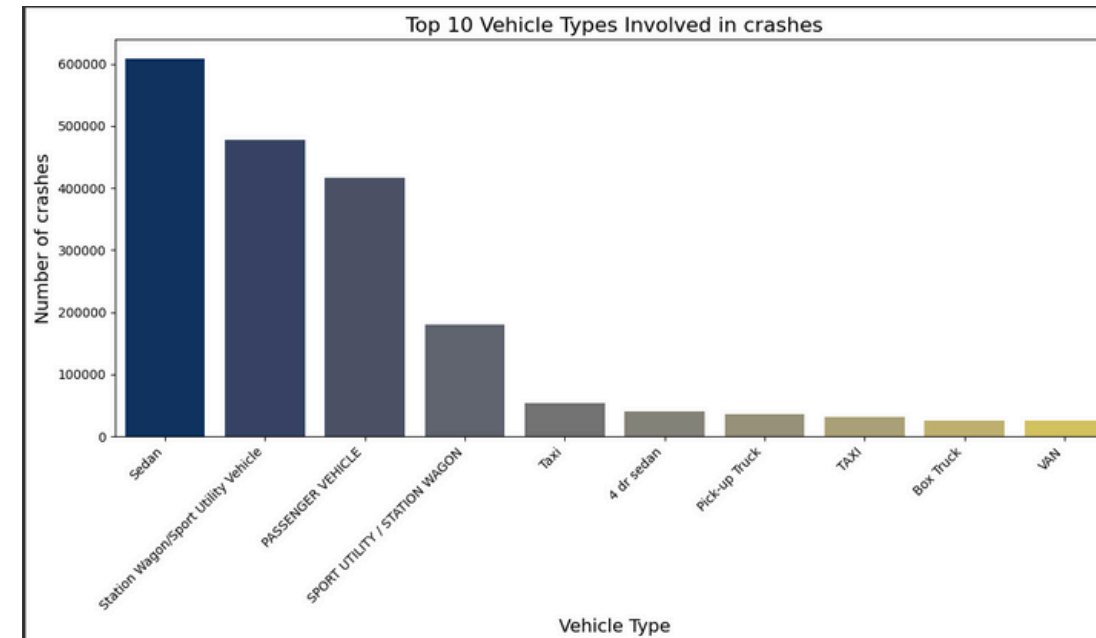## Vincent Kwaning (Reed College)

Research Focus

My research focused on looking at the day of the week with the most crashes recorded. I used proportion of crashes on a day relative to the total number of crashes in the dataset. From the chart, we can see that Friday has the most crashes with about 16%, while sunday has the least with about 12%.

Vehicle types mostly involved in crashes

In this chart, I explored the cars with the most recorded crashes on the road. As it appears, Sedan leads the chart, followed by Station Wagon/Sport Utility vehicle, and then passenger vehicles. This results is expected because of the popularity and affordability of these vehicles.

Reasons for most crashes

I further explored the major reasons causing most crahes. Leading the way is unspecified followed by driver inattention/distraction then failure to yield right of way, and following too closely.
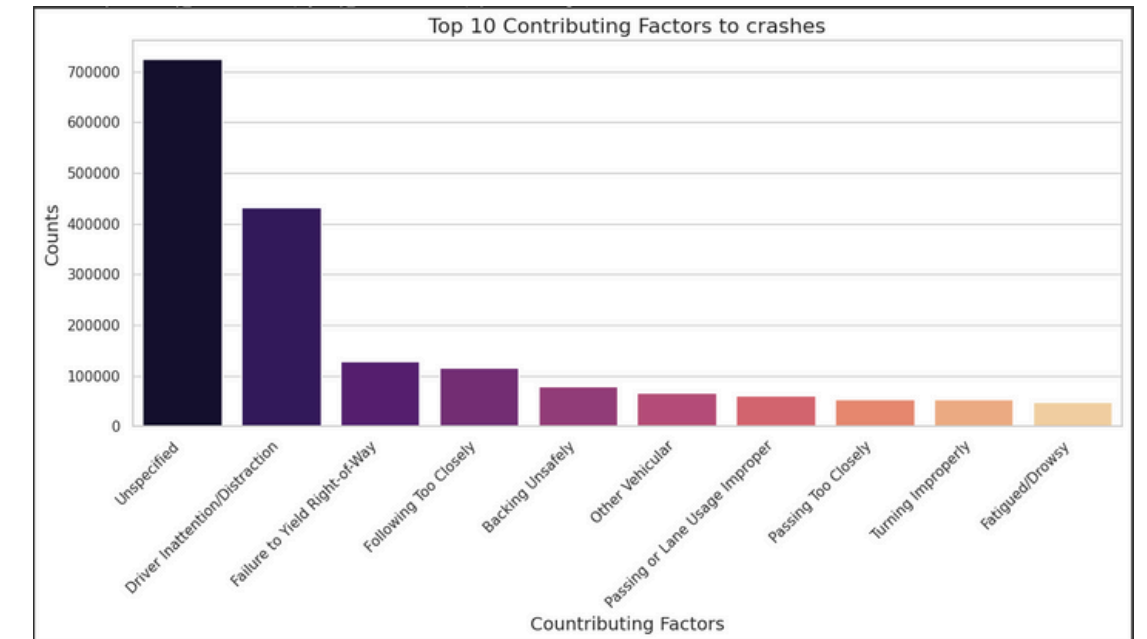

The time with the most crahes during the day

In the chart on the left, I looked at the times that most crashes occur during the day. It appears that 4 and 5 pm has the highest record of crashes. This is mainly because most people close from work at that time, so most travels occur at that time. People might be tired, so they can't pay full attention on the road.

Recommendations

From all the charts, it appears that most crashes occur around 4 or 5 pm on Fridays. It might be due to the excitement to start the weekend early or people being tired from work, so they don't pay full attention to the road. So I suggest the Transportation department have more police check the road at those times to ensure strict conformation to the safety protocols.