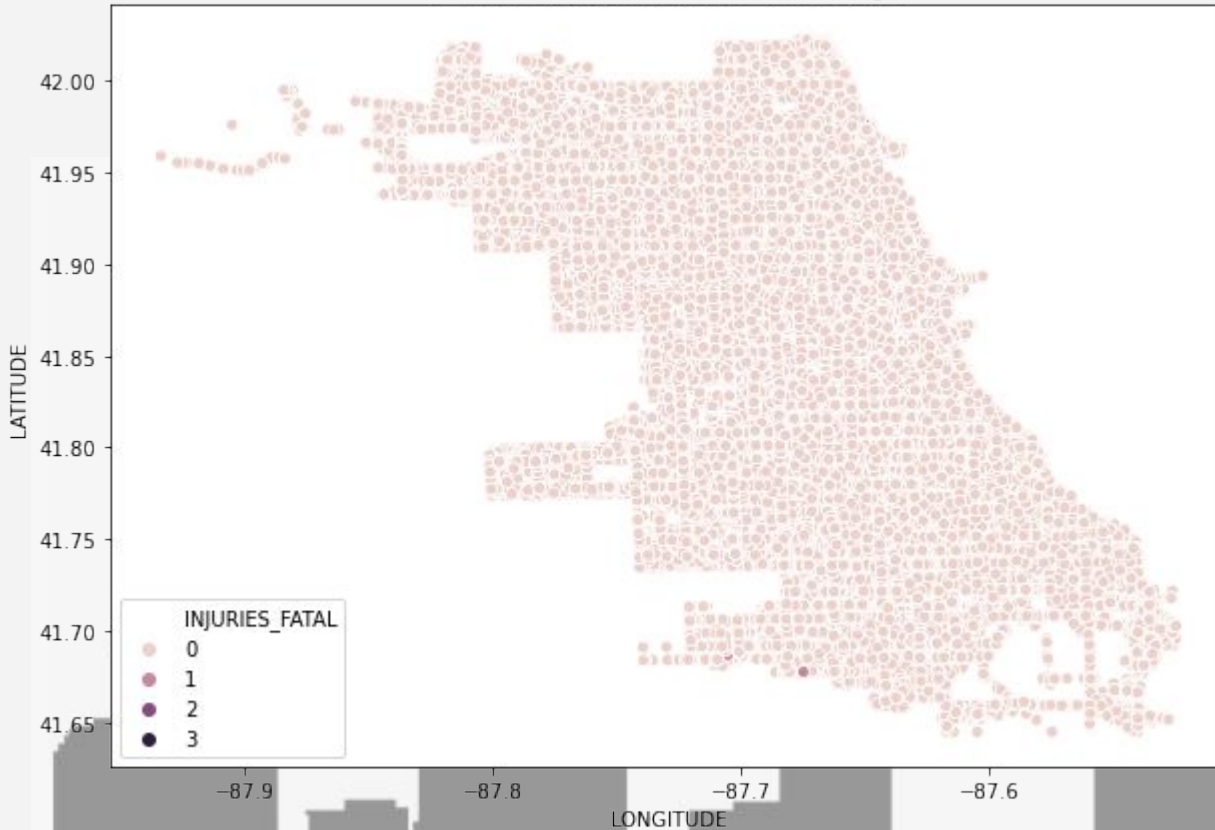


City of Chicago Crash Statistics



Location of Traffic Incidents in Chicago

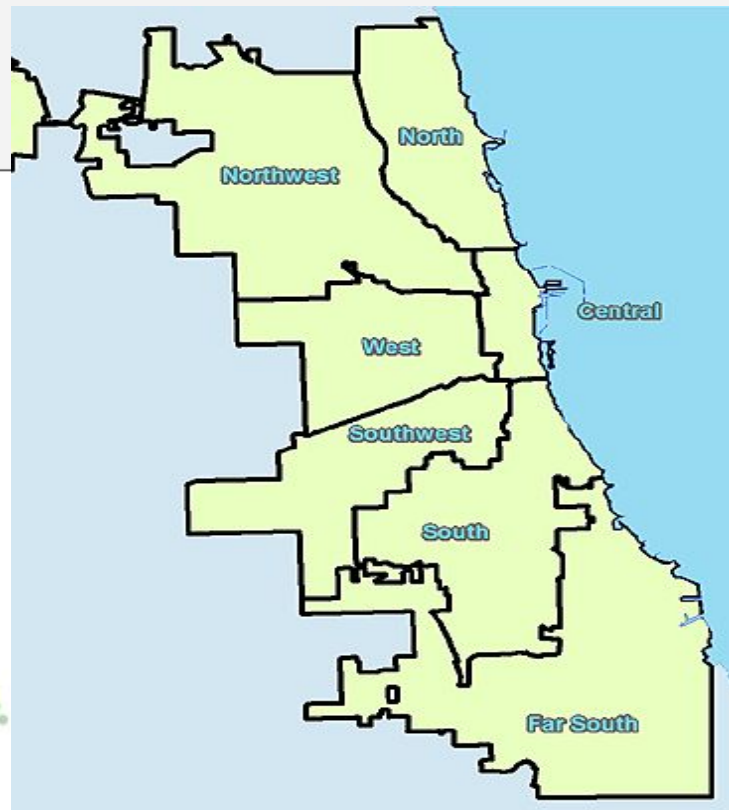
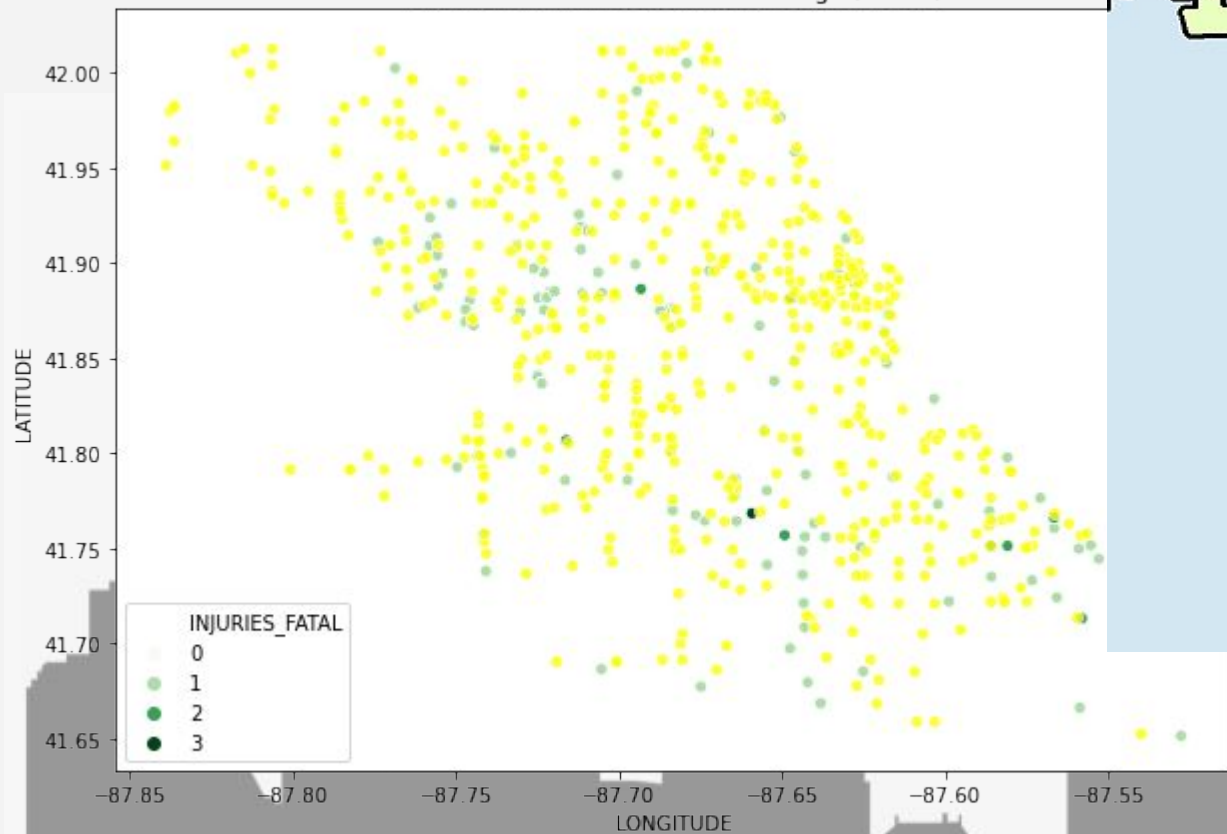


Crash Statistics -

- 563 fatal crashes combined in 2018 and 2019
- As of September 19th, 170 fatal crashes in 2020 despite less traffic as a result of COVID-19.
- 188 (38.1 percent) of 493 fatally injured drivers in Illinois in 2011 tested positive for alcohol.

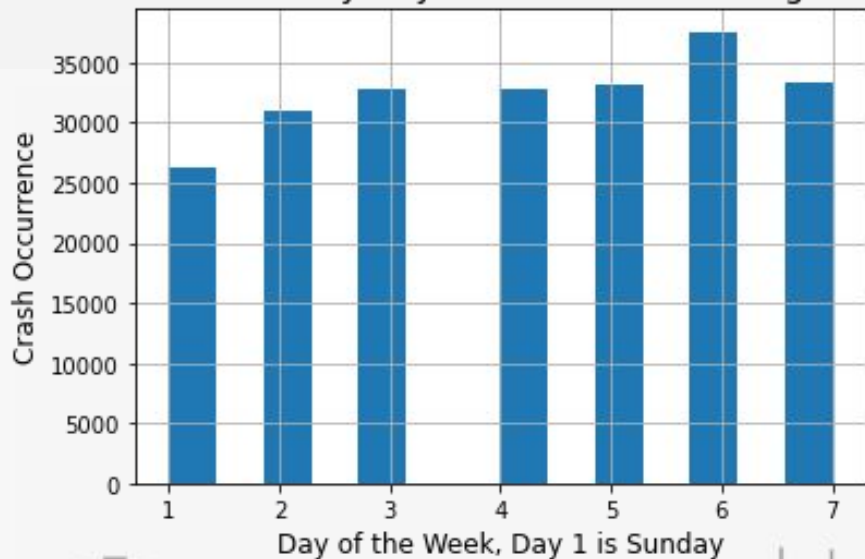
Question 1 Insights

Location of Traffic Deaths in Chicago (Green)

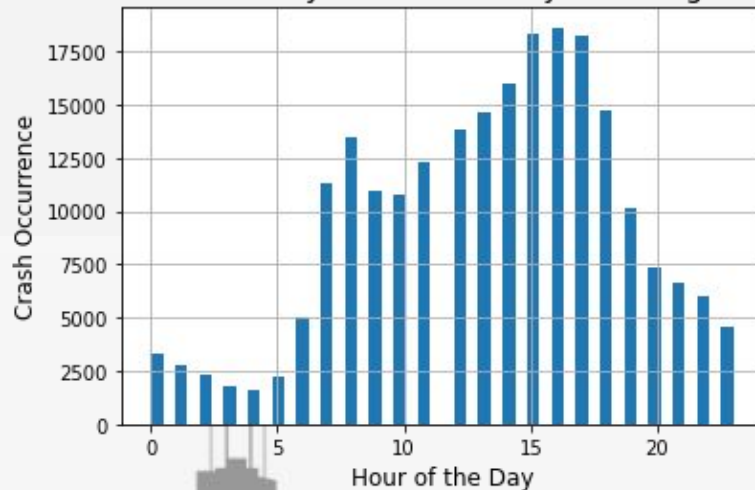


Question 2 Insights

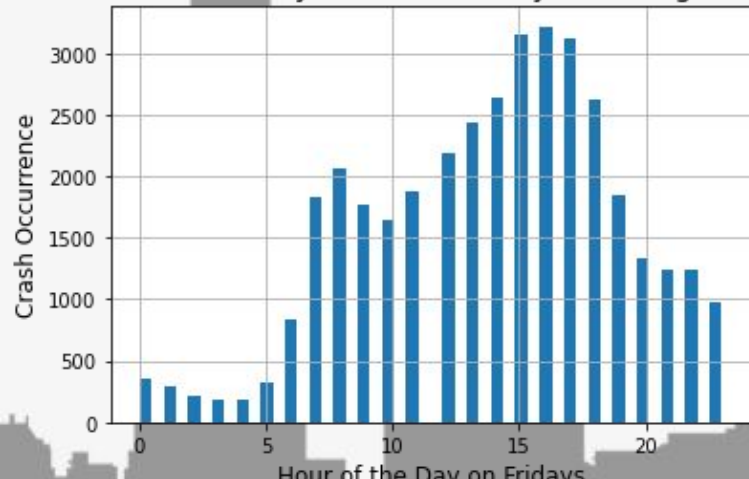
Crashes by Day of the Week in Chicago



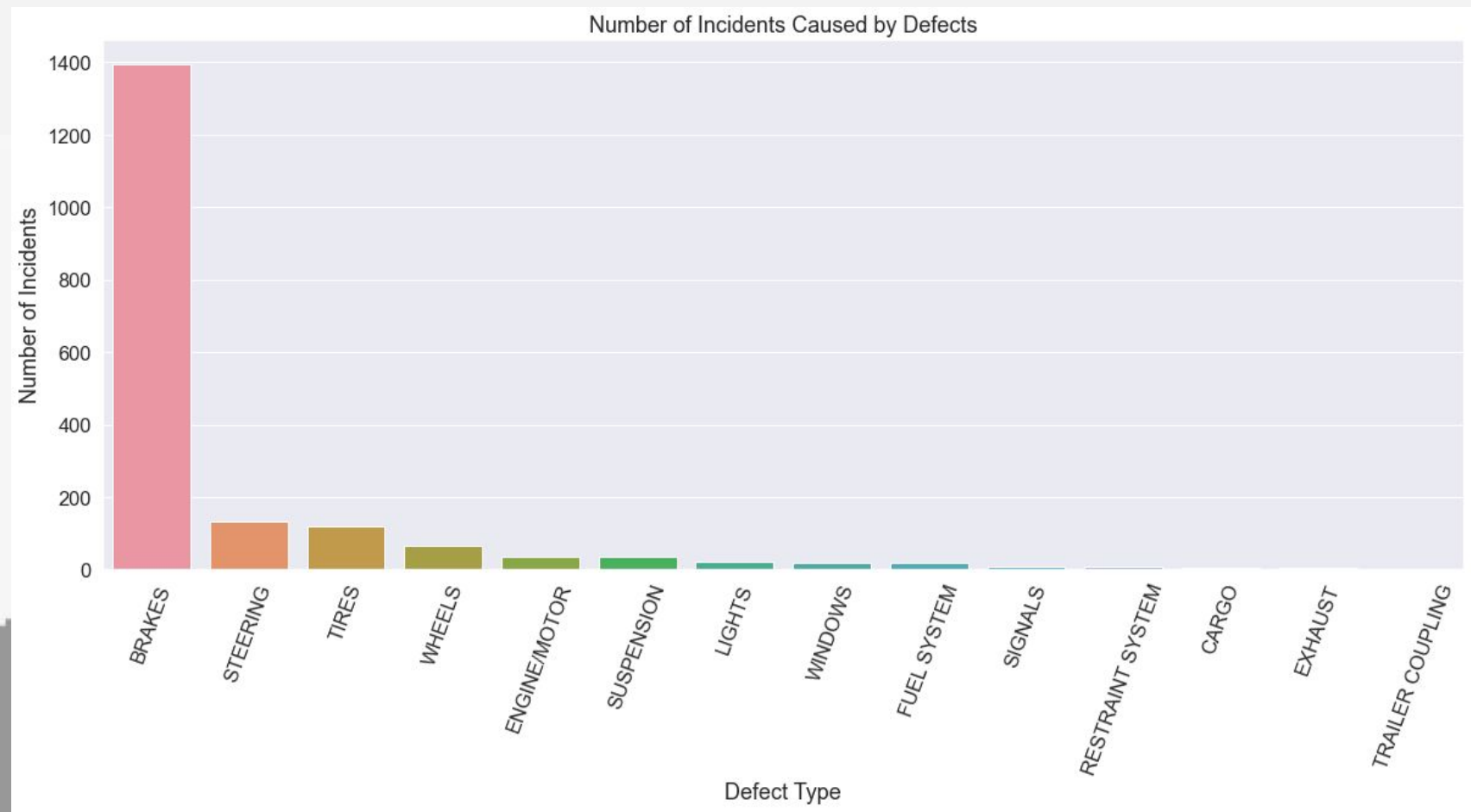
Crashes by Hour of the Day in Chicago



Crashes by Hour of the Day in Chicago

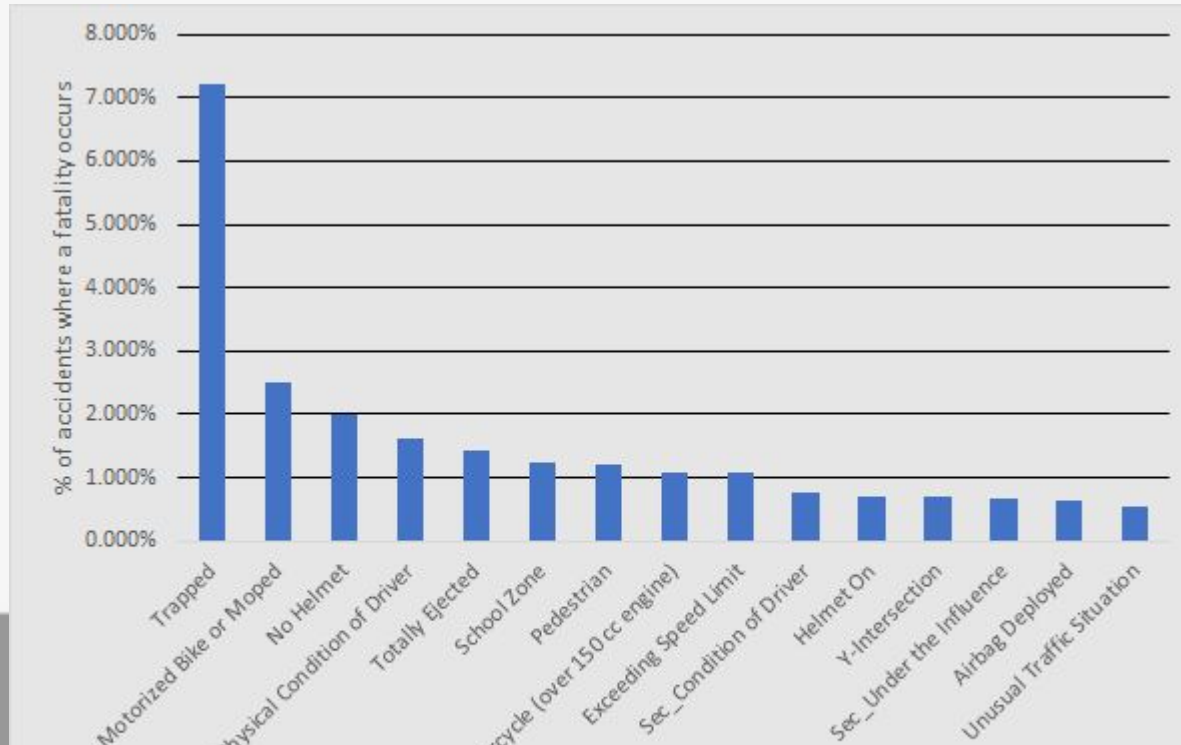


Question 3 Insights



Overall Insights - these are the most dangerous circumstances

- Of ~9300 instances of an accident being caused by someone running a red light, 1 out of 400 resulted in at least 1 fatality, or 0.269%. For comparison, if you involved in an accident while on your moped or motorized bicycle, you are ~8 times more likely to die.



Summary and Recommendations

Statistics from the beginning of 2016 thru to November 11th, 2020

- In accidents where someone was trapped and needed to be extricated from the vehicle, there is at least one death over 7% of the time.
- In 1 accident out of a total of 41 that involved a moped or motorized bicycle (different from motorcycle accidents) the person on the moped was killed. This is the second highest rate of death after accidents where someone is trapped.
- Accidents involving motorcycles where individuals were not using a helmet accounted for only 6 deaths.

Recommendations

- Recommend that the city explain more specifically what 'Physical Condition of Driver' denotes under primary contributing cause. As it stands, it appears to indicate describing someone who is generically hindered from operating a vehicle.
- A campaign to promote using standard safety equipment such as a helmet or seatbelt.
- Pedestrians are at high risk - increasing the number of crosswalks and drawing attention to those not within a vehicle could reduce fatalities.

Future Work

- Break out by the day statistics to discover accident causes by the day.
- Break out by the hour statistics around rush hour to discover (besides extra traffic) why accidents occur more often in the mid-afternoon.
- Differentiate between features that occur or exist before an accident as opposed to those features that are a result of the collision itself.



A spiral-bound notebook with a white cover and lined pages is positioned diagonally on a light-colored wooden surface. The words "Thank You!" are written in a large, black, cursive font across the middle of the notebook. The wooden background features horizontal planks with visible grain and some minor staining. The notebook's metal spiral binding is visible along the top edge.

Thank
You!