

Chicago Red Light Camera Violations & Weather

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What is a Red Light Camera Violation?

- A Red Light Camera Violation is a vehicle being caught passing through a red light when it is not permitted.
- These are captured by the Red Light Cameras on certain inspections in Chicago
- Data for this violations is compiled by the City of Chicago

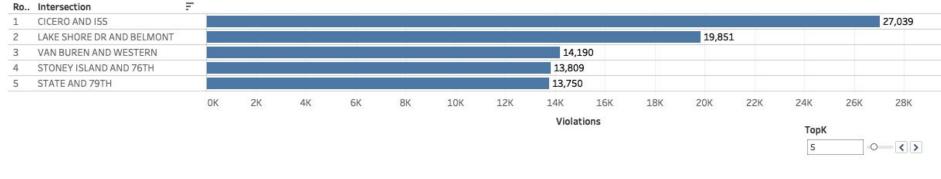


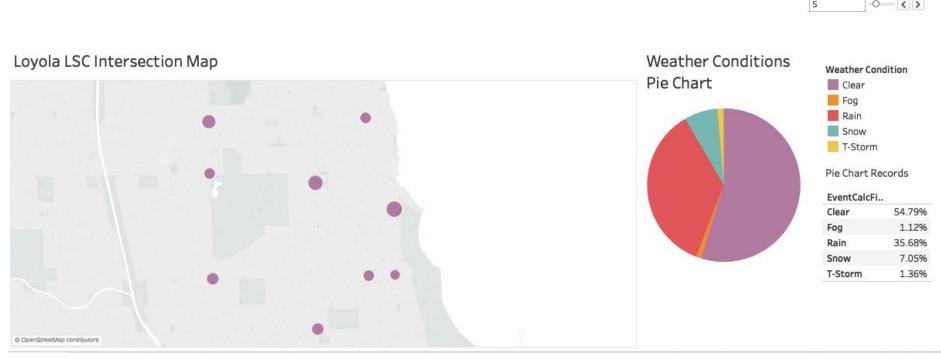
Our Weather Data

- Data is compiled for the year 2017
- Provides information on Dew Point, Temperature, Humidity, Sea Pressure,
 Visibility, and Wind

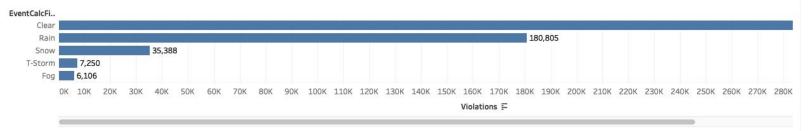


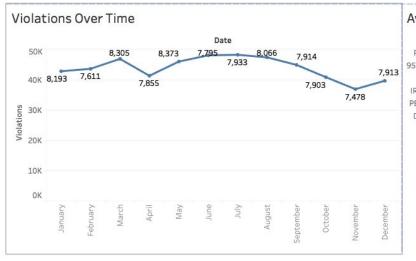
Top K Intersections

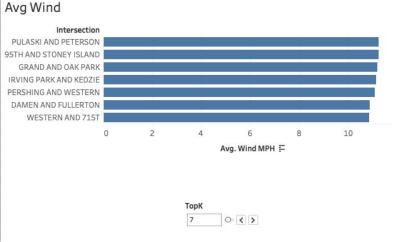




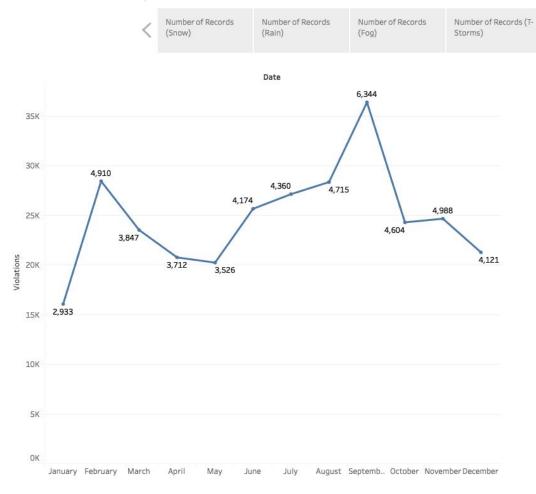
Events Vs Violation







Number of Records per Event



EventCalcField (AII) (I Clear Fog Rain

Snow T-Storm

Number of Records

(Clear)

Demonstration



Conclusion

- Summer months will have the most amount of violations
- Clear weather tends to produce the most amount of violations
 - Rainy weather will also produce a lot of violations
- Expensive to ignore weather considerations
 - Either red light tickets or getting into an accident

How to Avoid a Red Light Camera Violation

- Do not drive when it is raining
 - Our data has shown that violations happen in the rain more than any type of weather condition.
 - Try to utilize public transportation as much as possible.
- Make sure that you have tires that work well when the ground is wet
- Avoid driving during the summer
- Drive when there is good visibility

Other Ways This Data Can Be Used

- Help drivers determine what weather is most likely to cause violations
- Insurance companies determine what kinds of drivers are most likely to be at risk
- Change stop lights in accordance with weather to help (or fine) drivers



Questions?





Thank You!