Capstone Project
Car accident severity

01 Business Problem

“Identify the conditions that can cause future car accidents in order to alarm the people with anticipation to be aware and drive more carefully..”

Many benefits

- Save lives
- Reduce costs in damage infrastructure
- Reduce cost from police and paramedics to attend each accident

Data

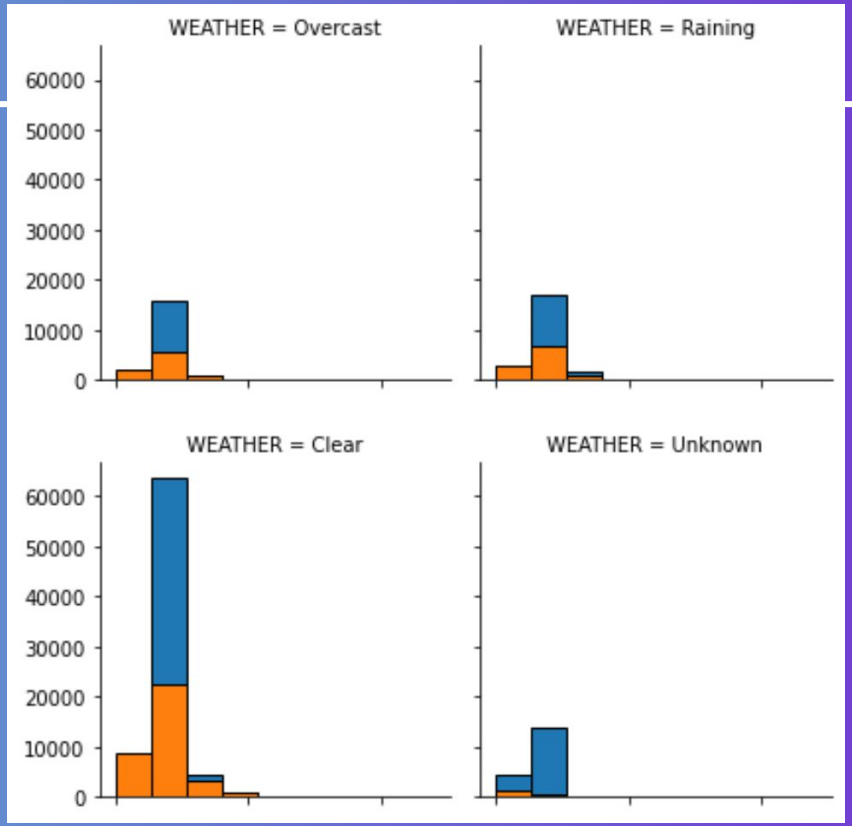
The information comes from Seattle Police Department and recorded by Traffic Records and include Collisions at intersections or mid-blocks of a segment. The period information is from 2004 to May 2020.

The information is organized in a CSV file with 37 attributes and originally 194673 rows, the information is labelled and unbalanced. Additionally, a document with the description of each column were given.

The weather conditions

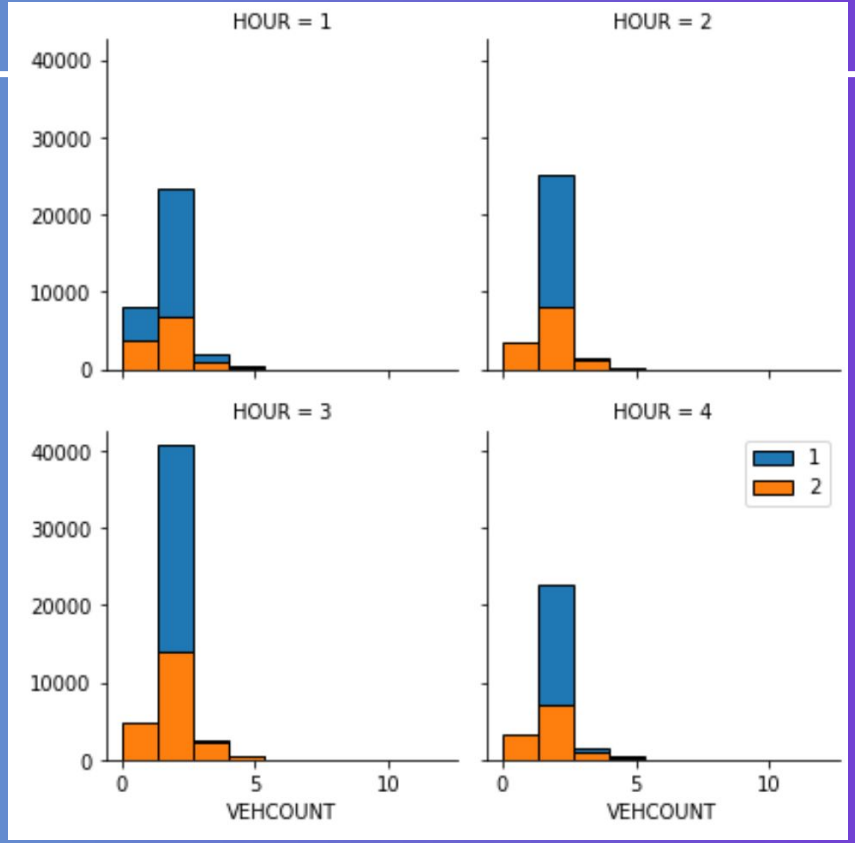
02

there are a greater number of accidents when the day is clear.



03 The time of day

a higher number of accidents was reported during the afternoon.



Conclusion 04

Conclusions

MOST ACCIDENT OCCUR IN:

In the afternoon

MOST ACCIDENT OCCUR IN:

A scenario when drivers are more confident about the road condition and visibility

MOST ACCIDENT OCCUR IN:

With a dry track