Introduction

The number of accidents has been rising globally due to increases in population and transportation.
Traffic accidents are a daily source of death, injury and property damage on roads and highways resulting in huge losses at economic and social levels.
According to the World Health Organisation (WHO), in 2018[1] around 1.35 million died as a result of a traffic accident.

If we look more precisely at the figures for Seattle, in 2017[2], there were 10,959 police reported collisions and a further 1516 self-reported ones.
Fatalities were 19, and serious injuries 168.

Business Understanding:

As the demand for vehicles rises, the number of vehicles on the road and traffic jams increase, especially during rush hours.
The local government of Seattle is trying to implement measures to alert vehicle users, police, traffic and health systems about critical situations – to reduce the number of accidents on the road.
I will attempt to build a model to predict the severity of an accident given the weather, road conditions and location.
By doing this, we should be able to make drivers more aware of having a vehicle accident.
We can also predict the severity of an accident in this case.

This will be useful to the traffic department also to implement measures to decrease the risk of an accident.