

## **DATA:-**

The dataset used for this project is based on car accidents which have taken place within the city of *Seattle, Washington* from the year *2004* to *2020*. This data is regarding the *severity of each car accident* along with the time and conditions under which each accident occurred. The model aims to predict the severity of an accident, considering that, the variable of Severity Code was in the form of *1* (Property Damage Only) and *2* (Physical Injury) which were encoded to the form of *0* (Property Damage Only) and *1* (Physical Injury). Following that, *0* was assigned to the element of each variable which can be the least probable cause of severe accident whereas a high number represented adverse condition which can lead to a higher accident severity. Whereas, there were unique values for every variable which were either *Other* or *Unknown*, deleting those rows entirely would have led to a lot of loss of data which is not preferred.