

I. Introduction

Road accidents have become very common nowadays. As more people are buying automobiles, the road accidents are increasing day by day. Furthermore, people have also become more careless now. Not many people follow the traffic rules. Especially in big cities, there are various modes of transports. Moreover, the roads are becoming narrower and the cities have become more populated. Due to the increasing number of accidents everyday, there should be more warning signs which could tell the drivers that this road is dangerous under certain conditions as rain or dim light or any other condition which could increase the possibility of an accident and how severe it could be so the driver could be alerted and alarmed that they should drive more carefully when passing through this road.

Business problem:

The objective of this capstone project is to analyze and predict the possibility of an accident and its severity relative to a place. Using data science methodology and machine learning techniques like classification, this project aims to find the severity of a place to warn people so, they can be more careful when passing through this place.