

Capstone Project - Car accident severity (Week 1)

Introduction:

When there is an accident happening on the road, a terrible traffic jam may be caused, which influences other people's plans. It would be great if there is something in place that could warn people, given the weather and the road conditions about the possibility of people getting into a car accident and how severe it would be. So people would drive more carefully or even change their travels if they are able to. In this project, we will be working on a case study which is to predict the severity of an accident. We will try to use the accident data in Seattle City that include many influence factors of collisions for the prediction of the severity of an accident.

Problems:

To improve the safely driving level of all the car users in Seattle City, we will try to find the answers to the following problems:

Q1) What are the main factors that influence the severity of an accident? How to list and visualize them?

Q2) How to use basic machine learning technologies to build a model to predict the severity of an accident?