

Predicting the Occurrence of High Severity Level Road Accident

Introduction and Business Problem

1. Introduction and Background

Traffic congestion is a big problem for all countries, especially in big cities. The problem become serious because of high volume of vehicles and the development of population. Traffic congestion always happens when there is a road accident. The higher severity level the accident is, the longer time the congestion lasted for. It normally takes hours to clean the road and release the traffic. Drivers need to wait, and it is not easy to change their travel path when they are already suffering from it. The most effective solution is aware the road condition, route to other path before you were suffering from a traffic jam. In this project, the collision data from Seattle will be used to study and predict the happens of a high severity level road accident. It provides a warning to driver to take actions before suffering from a traffic congestion.