

How severe could a Car-Crash be in the UK ?

Introduction

Background -

Road accidents happen everyday all over the world, according to the WHO, road traffic injuries caused an estimated 1.35 million deaths worldwide in the year 2016 alone. It can seem like they are an old topic and yet with the advancement capabilities of cars and their technology, especially self-driving technology, it is even more necessary to have tools and measures to prevent them.

Problem -

Predicting the severity of a car crash is no easy task. And even when possible, precision levels will vary significantly depending on, among many factors, the data available and how well the problem has been modeled. But here using the data available to public from the UK government website and supervised machine learning methods, we try to predict an accident severity, given date, time, weather, light and road conditions.

Stakeholders

It would definitely help the Development Authority to make any necessary changes to prevent road accidents. Local Police force and first-responders could also be assisted with this data in advance. Even civilians themselves could be armed with this knowledge to make travel-plans in a much informed manner.