Predicting Car Accident Severity

1. **Introduction**
   a. **Business Problem**

      With increase in use of car and new technologies used in productions of cars there tends to be more accident on road. And with that the loss for precious lives and properties.

      If we can find out the condition which lead to accidents and predict its severity beforehand, we can save lives of people.

   b. **Problem**

      Data for the accident might be coming from various source like police records, hospitals were the patients involved in accident were being treated. Transport department etc. The project here aims to predict the severity of the accident based on the data that we already have.

   c. **Interested**

      State and transport department would be interested so that based on the condition they could decide the speed limit, transmit the message that condition are such that you could meet an accident please drive safely or even keep a marking at points where frequently sever accidents take place.

2. Data acquisition

I have used data that is shared with us in the course itself. Data which is provided has several fields and few of them are redundant we need to clean the data and transform the data so that we can use it in modelling our data. The data which we would require would be road condition, light conditions, weather condition, which day of the week it is etc.