Introduction :

In an effort to reduce the frequency of car collisions in a community, an algorithm must be developed to predict the severity of an accident given the current weather, road conditions , visibility conditions and also based on the day of week(weekday or weekend). When conditions are bad, this model will alert drivers to remind them to be more careful.

Data understanding:

The data is the accident data for Great Britain , dated from 2005 to 2010 . This dataset was available on kaggle :-
https://www.kaggle.com/pachriisk/great-britain-road-accidents?select=uk-traffic-accidents-columns.csv
The different columns of the dataset like light conditions , road_surface_conditions , weather_conditions , day_of_week will help us to predict the feature - accident severity .
Accident severity are:-
Slight
Serious
Fatal

All the columns like weather conditions , light conditions , road conditions , severity can be encoded for using classifier on it.