## Introduction/Business problem

Vehicle operators are currently not receiving an adequate indication regarding the probability of an accident and how severe it would be. If the operator would receive such an alert then this could facilitate a higher level of caution during the drive. It would also allow new planning of the routes to avoid problematic areas. This would not only be beneficial for the operators of the vehicle but also for governments and local authorities as this can lead to a reduction of accidents.

The objective is to engineer a model that accurately can predict the likelihood of an accident and how severe it would be. The model will be trained using given attributes from historical data.

## Data

The dataset that will be used in the project is ‘Data-collisions.csv’. This is a summary of all the collisions in the last year. This dataset will show historical insight into which external conditions(weather, light, road) are present when accidents occur and how severe they are. The data will be cleaned, wrangled and a feature set will be extracted from the set. The feature set will be used to train a classification model. Using the classification model as a base it will be able to notify operators of vehicles to remain alert if specific conditions are met.