# Capstone Project - Accident predictor

**Applied Data Science Capstone IBM/Coursera**

# Contents

## Introduction – Business Problem

In this project we will try to determine or predict the severity of the traffic accident. Specifically, this solution or analysis will be targeted to the following stakeholders.

A. Mobile Map based applications

Users will be alerted of accident severity in the travel route based on various indicators

B. Vehicle insurance providers

This analysis may be useful for insurance providers to develop quotes based on statistics of accident severity and various indicators

C. Department of Motor Vehicles and other government bodies

This analysis can be used as input to post appropriate alert signage on roads. It can also be used to improve driving conditions and post appropriate speed limit / warnings.

## Data

Based on the definition of our problem, factors that will influence our decission are:

* driving under the influence of alcohol or other substances

* speed of the vehicle

* weather / light conditions

* road conditions

For this project we will be using the sample data provided as part of this project

https://s3.us.cloud-object-storage.appdomain.cloud/cf-courses-data/CognitiveClass/DP0701EN/version-2/Data-Collisions.csv

Metadata is described here:

https://s3.us.cloud-object-storage.appdomain.cloud/cf-courses-data/CognitiveClass/DP0701EN/version-2/Metadata.pdf