**Capstone Project - Car accident severity (Week 1)**

**1.1 Background discussion**

Car accident severity has been a major challenge in cities and major highways around the globe. The records thus far, from accident investigation unit and road safety department show high rate of road fatality resulting from accident severity. It therefore calls for a detailed analysis of available data to put check in place to reduce this Car accident severity. As revealed by findings, these accidents are majorly caused by human errors; violation of traffic rules; driving under the influence of alcohol; road and weather conditions and so on. Accident cannot be eliminated from our roads as we commute from one place to another, but the Severity can be mitigated if all the causes are analysed and solutions are proffered. This whole idea constitutes a brief description of this discuss.

* 1. **Problem**

The data provide an overview of the various incidents that have occurred, and factors that have influenced these incidents. These information include: accident severity whether it was low or high, location of the incident, severity impact, that is, whether it was an injury collision or property damage only collision, collision type, numbers of individuals involved, number of vehicles involved, road and weather conditions at the time of each incidents etc. This project is aimed at using data science to understand the impact of each of the influences mentioned above and how to help improve on this, in order to advert the critical loss of lives and properties upon accident severities.