

INTRODUCTION

Road accidents over the years have led to the loss of numerous lives both locally and internationally. These traffic or road accidents aside claiming of lives has also led to the destruction of properties which in many cases can have negative impact on the economy of a country. Though, there has been numerous campaigns and advocacy to help reduce the number of accidents. However, the number continue to rise, hence, it is imperative to target the root cause of these accidents as this would help to largely reduce the number of the traffic accidents.

As our target is to decipher the factors that could lead to a possible road accidents, and define a pattern to them. We will be using the data provided by the IBM coursera platform to develop our project. The data was sourced from the Seattle police Department which presents collisions and the severity of the incident. The data records showed accidents dating from 2004 to 2020. The data also contained a number of information that can be used to determine the severity of road accidents and the causes of such. Some of these include weather, road condition, type of collision etc. With these information, our target is to find the exact factors that has led to loss of lives and with the outcome, such factors can be addressed. Hence, our target audience will be the government bodies who are in charge of these roads or individual who might want to ply some of these roads as to be aware of events that have happened in the past and drive with caution when travelling along such roads.