VEHICLE ACCIDENT SEVERITY

Data Description

The data set which will be used is the “Collisions—All Years” provided through the Applied Data Science Capstone by Coursera. They are data from SDOT Traffic Management Division.

The data consists of the information about the accidents. This includes all types of collisions from 2004 to present. The data has 194,673 rows and 38 columns. The columns are referred as the features of the dataset and every row referred in a single collision.

Our model built by features described below:

• SEVERITYCODE: specifies a particular code which corresponds to the severity of the collision:

1 –Prop Damage

2 –Injury

•VEHCOUNT: specifies the number of vehicles involved in a collision.

•JUNCTIONTYPE: specifies the category of junction at which the collision took place.

•WEATHER: specifies the weather condition at the time of collision.

•ROADCOND: specifies the condition of the road during the collision.

•LIGHTCOND: specifies the conditions of light during the collision.

I will explore the above features to discover if any of them have advanced possibilities to lead in injury when a collision occurs. Also, I'll try to build a model than can predict the severity of an accident to the people involved.