**ROAD ACCIDENTS PREDICTION USING Machine Learning algorithms.**

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**Abstract**

There is an increase in number of road accidents in modern days and with the increase in the accident rates there has been a huge generation of data regarding these accidents. There are many factors that can be the cause of accidents happening such as road condition, traffic control, load on vehicle etc. Other factors might be due to the driver’s carelessness and effect of drug usage. Also location, light condition, traffic type (manual/automatic), road condition etc. also has an impact on number of accidents in a particular area. These factors need to be analyzed to get an idea regarding the impact these factors have on the accidents. For e.g.:- if we want to analyze the impact of light conditions or the road conditions on the no of accidents happening. With the advancement in data mining tools it is easier to analyze the impact that these factors have on the number of accidents by use of some graphs or plots. We can also find the relation between the no of causalities and how each of these contributes to number of causalities in a particular area. In this paper we try to analyze the dataset on basis of some of these factors and try to find the severity of accidents depending on some of the above factors.