

# PREDICTING ACCIDENT SEVERITY

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## 1 INTRODUCTION/BUSINESS PROBLEM

Car accidents are very fatal to human lives and the environment and are on a rampant increase currently. In this project we seek to solve the problem of reducing accidents by predicting the possibility and severity of accidents in terms of human fatality, traffic delay, property damage, or any other type of accident bad impact. This is very useful to humans since once can tell the probability of an accident occurring and one will take precautions. This will save lots of lives.

## 2 DATA

The data used in this project is the accident severity data for Seattle city. The data has 37 attributes and a target "severity". Some of these attributes are the weather, the condition of the road at that time of collision, the location and so on.