# CAR ACCIDENT SEVERITY PREDICTION
## October 17, 2020

## INTRODUCTION/BUSINESS PROBLEM

Car accidents are a serious problem.  They result in personal injury, property damage and death.  On average, six million car accidents occur each year in the United States alone.  Of these accidents, three million people are injured often permanently.  Also, more than ninety people die every day from car accidents.

The injuries, deaths and property damage have untold personal and economic ramifications such as lost wages and productivity, increased insurance premiums and medical costs that reverberate throughout society and impact us all. To gain some valuable insight into the factors related to this issue, this analysis will focus on one specific geographic area—Seattle, Washington.  Attributes such as weather, road condition, light conditions, speeding, inattention and under the influence will be used to predict car accident severity.

Being able to accurately predict car accident severity will benefit both direct and indirect stakeholders.  For example, if it is determined that low lighting conditions facilitate car accidents, perhaps additional streetlamps could be installed to increase driver visibility thus reducing accidents.  Drivers, public safety officials, insurance companies, emergency room personnel, etc. would all benefit from these insights.

**Source**
http://www.driverknowledge.com