PREDICTING THE SEVERITY OF AUTO ACCIDENTS

Henry Chikwendu

August 23, 2020

1. INTRODUCTION

1.1 Background

Vehicular travel is an essential to the global economy as workers commute to work, families go on vacations trips, the United States Postal Service delivers mail via road networks across the country in automobiles, even food supply chains connecting from farm lands to your local supermarket require vehicular travel to sustain demand and the list is endless, indeed vehicular travel is essential for humanity in the 21st Century.

However one of the biggest challenges to this means of transport is safety. Annually approximately 1.35 million people die in auto accidents with an average of 3,700 deaths per day worldwide while more than 38,000 people die from auto crashes on US highways annually. Auto crashes are the leading cause of death in the United States amongst people aged 1-54.

Therefore it is paramount that Safety on these roads cannot be over emphasized which can be done by understanding the factors that contribute to these crashes, proper safety measure can be put in place.

1.2 Problem

We have a dataset which we will analyze and derive insights and also try to predict how severe road accidents could be by taking into consideration some contributing factors in other to assist the likes of Health-care workers and emergency services to help to target key areas prone to severe road accidents take action more quickly potentially saving lives.