



U.S.A. CAR ACCIDENT SEVERITY REPORT

THE TRUTH

According to , Annual United States Road Crash Statistics, more than 38,000 people die every year in crashes on U.S. roadways. The U.S. traffic fatality rate is 12.4 deaths per 100,000 inhabitants. An additional 4.4 million are injured seriously enough to require medical attention.



DESCRIPTION OF PROBLEM

Accidents are one of the biggest public health problems in the world. Road accidents have become very common these days. Nearly 1.25 million people die in road crashes each year, on average, 3,287 deaths a day. Moreover, 20–50 million people are injured or disabled annually. Road traffic crashes rank as the 9th leading cause of death and accounts for 2.2% of all deaths globally. Road crashes cost USD 518 billion globally, costing individual countries from 1–2% of their annual GDP. In the USA, over 37,000 people die in road crashes each year, and 2.35 million are injured or disabled. Road crashes cost the U.S. \$230.6 billion per year or an average of \$820 per person. Road crashes are the single greatest annual cause of death of healthy U.S. citizens travelling abroad.

The traffic data are analysed by Data Mining techniques such as Logistic Regression, Classification and Regression Trees. In this report , the impact of car accident were investigated using these techniques.

It is hoped that the current research findings will help governments in better road designs and traffic management.

The main inspiration behind taking the dataset of US Car accident is US-Accidents can be used for numerous applications such as real-time car accident prediction, studying car accidents hotspot locations, casualty analysis and extracting cause and effect rules to predict car accidents, and studying the impact of precipitation or other environmental stimuli on accident occurrence.