IBM APPLIED DATA SCIENCE CAPSTONE PROJECT

Car Accident Severity

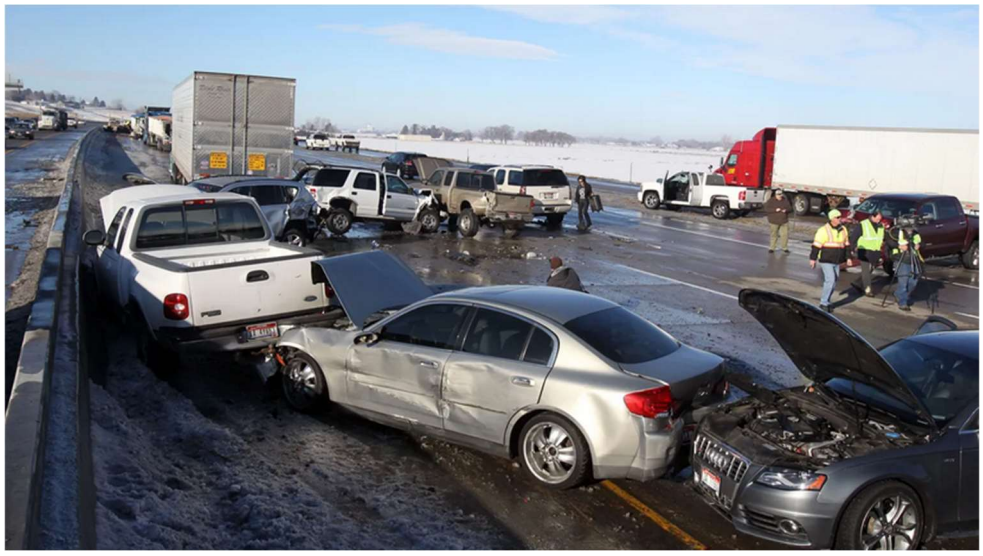
Help the Indian Government to prevent accidents...

1. Introduction/Business Problem

1.1 Background

Every year the lives of approximately 1.35 million people are cut short as a result of a road traffic crash. Between 20 and 50 million more people suffer non-fatal injuries, with many incurring a disability as a result of their injury.

Road traffic injuries cause considerable economic losses to individuals, their families, and to nations as a whole. These losses arise from the cost of treatment as well as lost productivity for those killed or disabled by their injuries, and for family members who need to take time off work or school to care for the injured. Road traffic crashes cost most countries 3% of their gross domestic product.



According to World Health Organization Fact sheet details

- 93% of the world's fatalities on the roads occur in low- and middle-income countries, even though these countries have approximately 60% of the world's vehicles
- Road traffic injuries are the leading cause of death for children and young adults aged 5-29 years
- More than half of all road traffic deaths are among vulnerable road users: pedestrians, cyclists, and motorcyclists.

1.2 Problem

Road accidents are serious concern for majority of nations around the world. The purpose of this project is to predict the severity of any road, which will play a crucial factor for various Government Departments/Authorities like Police, R&B and Transport to take proactive precautionary measures.

1.3 Interest

Of course! Road accidents cab be prevented. The prediction aim for sustainable development, has set an ambitious target of halving the global number of deaths and injuries from road traffic crashes by 2021. Others, who are interested to reduce the accident impact, claims and to improve the Road safety such as Insurers, Organizations and Public Persons may also be interested.