Coursera Capstone Project

Coursera IBM Data Science Certification

Mohamad Itani

September 2020

Report Content

1. Introduction Section

* The “business problem” to be solved by this project and target audience

1. Data Section

* Describing the Data Requirements and Data Sources

1. Introduction
   1. Background Information

Car accidents are the third leading cause of death in the United States with only cancer and heart disease superseding them. As this phenomenon leads to many deaths, we strive to analyze the reasons for its existence and the measures of precautions to be taken.

* 1. Problem at Hand

The goal of this project is to analyze the factors that lead to a higher accident severity in order to take proper measures and mitigate the damage caused. If this project is handled properly and distributed to a large audience, we may ensure the safety of more drivers and lives will be saved.

1. Data Section
   1. Data Requirements

- Accidents data for the United States for the month of June 2020

* 1. Data Sources and Tools Used

- Data set Source: <https://smoosavi.org/datasets/us_accidents>

-Tool: Jupyter Notebook,numpy library,pandas library,matplotlib,seaborn,IBM Watson Studio.