I. Introduction

The US Department of Transportation has reported a total of 6,734,000 vehicle crashes occurring across the country, in 2018, resulting in approximately 1.9 million injuries and 34,000 fatalities. These accidents, and subsequent injuries, can be attributed to several factors, including speeding, distracted driving, number of vehicles and number of people involved in the accident.

By utilizing historical crash data, analyzing each reported incident, and the attributes associated with each crash, a model can be created that can help warn drivers of potential risks, and may help local governments assign additional resources to prevent future accidents.

II. Data

The data used for this project include crash reports, from the city of Seattle, Washington, for the years between 2014-2020, to include a total of 194,673 accidents. While there are a number of details associated with each incident, this project will focus only on those factors which are believed to have the most impact on accident severity.

III. TBD

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