# Car Accident Severity Prediction

# **Introduction**:

# The purpose of the capstone project is to help people to travel in safe roads around their neighborhood based on the weather conditions. It will help people reach their destinations or jobs safer in desired time. This project will help people to know of their road conditions based on the present weather and how safe it is to take the routes. It will help the people who mostly rely on road trip and car travels for their daily jobs or travels to nearby city which they are not familiar. The project will warn traveler to avoid the situation of getting in to accident in uncertain weather conditions. It will help them to avoid unnecessary risks and relaxed travel.

# **Data:**

We will use the sample data set provided in the course. The data consists of Seattle city accident survey.

The data set contains the severity field which explains the fatality of an accident. The data set contains various fields that helps to predict the severity label such as weather conditions, condition of a road, severity desc,light conditions, as well as collision type. Most of the data are categorical types and the data engineering process is needed to normalize the data to build the model.

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