Capstone Project
Car accident severity in Seattle city

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1. Introduction

a. Background

Seattle, a city in US, is surrounded by water, mountains and evergreen forests, and contains thousands of acres of parkland. Washington State's largest city, it's home to a large tech industry, with Microsoft and Amazon headquartered in its metropolitan area.

Seattle is known to have well established roads network that caters to heavy traffic. There is no shortage of things to do and places to see in this metropolis, from the thriving culinary scene to the iconic Space Needle

b. Business Problem

This project aims to to _reduce the severity of accidents_ in the city of Seattle; hence we need to build an algorithm to predict the severity of an accident based on the current weather, road and visibility conditions. The main data attributes which we will use for the analysis will be

1. Weather Condition
2. Car Speeding
3. Light Condition
4. Road Condition

c. Target Audience

This project will benefit the drivers in Seattle city in deciding the route to be taken based on the weather and traffic conditions by reviewing the accident severity prediction model during adverse weather conditions.