

# Prediction of Road Accident Severity in Rainy Weather



Image source: <https://unsplash.com/photos/p3lp8U0eNNM>

## Introduction/Business problem

The goal of this project is to predict the severity of road accidents in rainy weather due to various conditions.

Why is rainy weather selected for this analysis?

Road accidents are a common occurrence, and wet roads along with poor visibility increase the risk further during the rainy season. Lack of awareness is a major cause of accidents.

Benefits of this project:

- This will help the community to stay safe and avoid damage or loss due to accidents in rainy weather.
- This will also help the Road Safety team to take necessary precautions.

How can we achieve the goals?

As a first step, we need the latest data related to road accidents. The data should contain all possible information such as Weather when the accident occurred, area, condition of the roads, time of accident (day or night), severity, injuries, damages etc. Once we get the data, it will be processed, analysed, trained and tested using machine learning models and identify the right model to predict road accident possibilities.