

# **Classification of Road Accident Severity**

## **Background:**

Road accident can occur anytime and anywhere and it may cause heavy casualties.

The cause of traffic accident could be attributed to various factors such as weather, road quality, drivers and pedestrian's awareness

To minimize the occurrence, we may leverage a machine learning model to classify the severity of the road accident to remind public

## **Objective:**

Leverage a machine model about road accident severity classification to help the community to stay safe and advise Transportation Bureau to take necessary precautions

## **Benefits:**

Support Transportation well design and plan the safe city transportation system

## **Process of POC of the predictive model:**

Step1: Collect data about road accidents

Step2: Understand the meaning of each column data

Step3: Keep and drop the data fields and transform the data before model development

Step4: Train-Test split by 70-30 then adjust the parameters to enhance the model performance

Step5: Selected the most suitable model then apply out time validation to evaluation the prediction power

## **Presentation:**

Share your result and model to the audience