

Prediction 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 predict the road accident to remind public

Objective:

Leverage a predictive model about road accident severity 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: Tran-Test split then keep adjusting 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