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**Assessment Cover Page**

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**Declaration**

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I declare it to be my own work and that all material from third parties has been appropriately referenced.

I further confirm that this work has not previously been submitted for assessment by myself or someone else in CCT College Dublin or any other higher education institution.

Introduction

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# Introduction

With the raising of Artificial Intelligent many aspects of life seem to be improved and it appears that human task can be potentialized. Human Safety is one of the segments where this technology can help and not better enough, the employment forecasting preview increases in employment rate.

# Motivation

Human empowerment with AI technology is an exciting future, we have experienced many important events along our conscious life, and many have left a bigger footprint and now is the time of machine learning.

# Problem Domain

The current work is focused on human safety, specifically human mobility such as: pedestrians, cyclists, and motorists in the busy city of New York.

# Problem Goals

The main goal of this project is to determine what is the model of a vehicle that has caused an accident. Also consider if there is a specific vehicle model that tends to cause more accidents than other or if there is a particular zone where accidents occur more often.

# Data Management

### Characterization

### Pre-processing

### Cross Validation within training splits 20%, 25%, 30%

# Hyper Parameter Purpose

# Results

# Conclusion

# References