***CA 1 Machine Learning***

*By*

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CCT College Dublin

**Assessment Cover Page**

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| **Module Title:** | Strategic Thinking |
| **Assessment Title:** | CA 1 Machine Learning |
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**Declaration**

By submitting this assessment, I confirm that I have read the CCT policy on Academic Misconduct and understand the implications of submitting work that is not my own or does not appropriately reference material taken from a third party or other source. 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.

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INTRODUCTION:

Now a days there are so many crimes happening each day, most of the crimes has violent incident that cause alarming news in the society. Crimes are sometimes happened accidentally that leads to loss of people’s lives. The case of crimes in Los Angeles is start to grow each year and it’s keep increasing the non-violent and the violent crimes. Los Angeles is a big city and has a nice culture that has a huge population, and sad to say they experienced of raised of criminal activities enclosed the safety of the residents.

We choose the Los Angeles crime dataset 2010-2020 because we see that the rows and columns is perfect to use to implement our data analysis for the machine learning first class assignment. Crimes has a lot of records of incidents that is very interesting to perform to our data analysis. We

Objectives:

Primary Objectives:

In this dataset we will used to execute and show the violent and non-violent crime that is happening during the 2010-2020. We want to see on our data analysis about what time of the day is has most of the crimes happened.

Secondary Objectives:

* Testing which models using Gaussian Distribution
* Identify the results in confusion matrix