Daniel Deloughry

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SDH4

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Machine Learning – Repeat Research Assignment

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Cork Institute of Technology

Project title:

Predicting the US State of each gun crime

Selected data set:

Gun Violence Data

Proposal:

For this assignment I shall be writing a program that shall predict the US state in which each gun violence incident occurs. The dataset that I am using contains an enormous amount of data for each incident of gun violence in the United States of America. I downloaded this dataset from the website, Kaggle.

As the USA is a federation, each state has its own laws regarding guns. Due to this and other factors, some states tend to have more incidents of gun violence than others. The software I shall be writing shall predict the US state in which each incident occurs.

For predicting, the program shall split the dataset into the "training" and "test" datasets.

Research:

https://www.newsweek.com/gun-crime-and-gun-control-firearm-laws-mapped-between-states-613990

https://www.theguardian.com/news/datablog/2011/jan/10/gun-crime-us-state