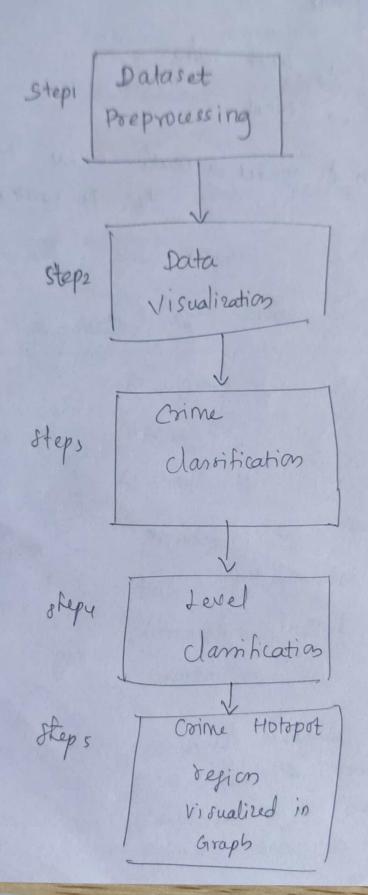
Project

(K. Koerthana)



Data Prepocersing

done to reduce the & Data proposing noise, incomplete and incornishent data. & If any mining value exist in the dataset is found and removing the missing values.

Data Visualization: Data visualization helps to better understand the erime status happening over the period of hare done visualization on coince type to identify top 5 trine happening in the cits. & crime happening during hour, monts, done to set the insights about unsafe hours. A coine happened in a cron the dirtiet will be analysed to find the coince rate high in which places and plothed in the map view to see distinct in see district with crime rate.

* Crime clamification is done prior to the level clarification.

to The purpose of the crime clamification is to predict the tope of crime happen in that location.

& En the dataset itself the attribute Value primars type" holds the value of the Hpe & crime happen in that area at that

fine.

to In training phase we have Choose the best algorithm ouitable for multiday clamification and trained the algorithmic, with this dataset, with no alteration in the dataset 80 1. 3 the dataset taken for thaining.

& In tertity phase, the trained model is taken to predict the remaining 20-1.9 date in the dataset, in that the primary type is going to predict which is actually present that is removed * Our model goin to predict the value in primais hope with the help? other attribute value which are location, time, description and.

in the location. Level clamification which is representing the level column which is not present in the dataset.

the 3 categories low, medium, Light

done based on the crime court in the level which it the crime cruent which it the crime court which it the crime court while taken automatically.

dere to obtain best accenacy against various algorithm approach.

Alsonithm and one Alsonithm and one win be Random forest clamifier, sum clamifier. Decision tree clamifier, sum clamifier. Naive Bayes clamifier, land clamifier.

the orines in the cities, the Hotopot regions which are high in orine rates that is mentioned by the level attribute with values "Ligh" are visualized as a Hotopot region in the map.

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