Crime Intuiting using The Form Data Science

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Abstract- Crime prediction using stream data is a big tech invation for us. By using a data mining system one can predict locationsthat have a huge probability. And one also can inward eye by using this method. It will increase the computerized systems.Our main problem is that we are looking at the crime occurrences but not at the key factors of crime. If we use data mining we can form any unstructured data to structured data.By which we can find also some prediction before the crime. We can set a bridge between computer science and criminal justice board using the data mining process by which we can catch the factor very fast and also very easy. Culprits also are divided based on their data. Crime and illegal services are increasing rapidly now. We suggest a methodology by which we can detect culprits, predict crime by analyzing previous crime reports of the regions. For establishing this we need crime data from police station websites, govt. crime websites etc. UsingtheNaïve Bayesian algorithm on these pre-processed data we can easily predict the stat of crimes. With this system we can establish a secure society which will free from crime and people can lead their life soundly and also happily.So that we need this data mining system and it will increase the usage of computer science and engineering in this era of science. We propose to the prediction of real-time. Though it will difficult to get accurate cause crimes are doing their crimes using different and complex methods.They are also clever.But the bridge of data between the police station and system of data mining will report about further and upcoming crimes. And for easy understanding of the police government we need to use graph data mining so that they will easily get points. This paper will describe kinds of criminal activities and criminal pathway methods after a crime which we will solve by using the data mining system. SO, we need to locate the maximum crime location area first. We can also detect the hotspot area and will get some data also from social sites. Data analysts of crime can help the law department to solve this problem.TheLaw department can also reduce crime hotspots. Using this method we need to extract previous criminal data. So, the bridge between computer science and the law will help the world to free from crime.

Keywords - Data mining, Crime info, Detection, Present plan, Naïve formula.

I. INTRODUCTION

Data science is the luster thing or technology which can give us the most valuable solution to any kind of critical situation. But now data science is using rapidly to solve the business problems. Its high time to utilize data science formation to predict crime and crime solutions. Data science is a gift for us also cause we are now getting the latest form of this part like mining, streaming, etc. Here, we can use stream data to predict the rate of the crime and to detect the main culprit. We all know that stream data always compute with a pick value with its three different interesting types. Such as original, aggregation, and composition. Here, we will use the soft computing methodology with the transformation of aggregation. Pattern aggregation is a very new thing for all of us. But it is very impactful for us. Because using this pattern recognition method we already solved many daily life problems.Such as road mapping, hotspot mapping, vehicle shortest path detecting, face tagging, triggering, etc. But now we will use a new form of pattern recognition which is already mentioned. Using this We can easily recognize the crime hotspots. But, to implement this form we need to use blockchain flavor too. Because our main motive is to divide the whole country with some blocks. Such as Bangladesh means block B, India means block I, China means block C.So that, we can get three blocks as an example like B, I, C.Now, we can make a set of the whole blocks after giving them some unique key. The unique new formula is very simple. We can use our very easy mathematics scene by which we can get a minimum of 10000 unique ids per day if we can settle the code very well.And the equation is nothing but $(a+b)^2$ + ab*(B/I/C).So here to form the data of these three countries we can put the value in this equation. And, here it is given below:

$$a = B$$

$$b = I$$

$$c = C$$

after taking the value of a,b,c we can analyze these values with the streaming process. In this streaming process, we can get some composite structure of data also. But, no need to go through this. We will use the aggregation portion only to detect a crime.

II. CRIME INFORMATION

Crime is a very tactical thing nowadays. So it's very tough to predict anything about this matter. And, due to some laws, we can easily locate anyone about crime or can't say anyone that he or she is a criminal. So, we need to stream

the dataset. Now, after getting some code of B, I, C, we can use the encryption code to get some block id. But, it's not very secure cause now criminals are also very clever in the era of information technology. Thats why, we will count the percentage only and will follow aggregation. Now here we get B= 4, C= 3, I= 3.We need to aggregate now.

Now, here we find some value of B, C, I.But, if we see very carefully we can also see that here C and I are in the same pick value. So, that is the main problem which detectives are facing now to catch the big fish means the main criminal. In case, the main criminals are running one place to another place, one country to another country. So, to catch the big fish we are now aggregating C and I.Where the main value of C and I is the middle term factor. Than, the total pick value will be 7. Which is very much satisfying us rather than 10.And we can now easily cut three points from the files by using data streaming. Than the stream data key will be :

B: A1B2C3DDB

C : A2B3C4DDC

I : A2B3C4DDI

Here, we can see that the codes are unique, In the form of C and I, the last key is to maintain their countries first letter. But, there pick up rate is the same. So, our task is to minimize the last key and give a unique but same key for both of these countries. Here the unique and same code given below:

C2B3C4DDI

See, here we just changed the first key of the code. But, firstly we made our look to last digit or key.

IV. PROBLEMS

[3] Aggregation can be various as country wise.

[4] Suicide from the criminals.

[5] Missing data from polices or agency.

[6] We can get 87% pure data.

[7] Criminals placement rapidly.

V. METHODOLOGY

Here we are showing a figure of methodology:

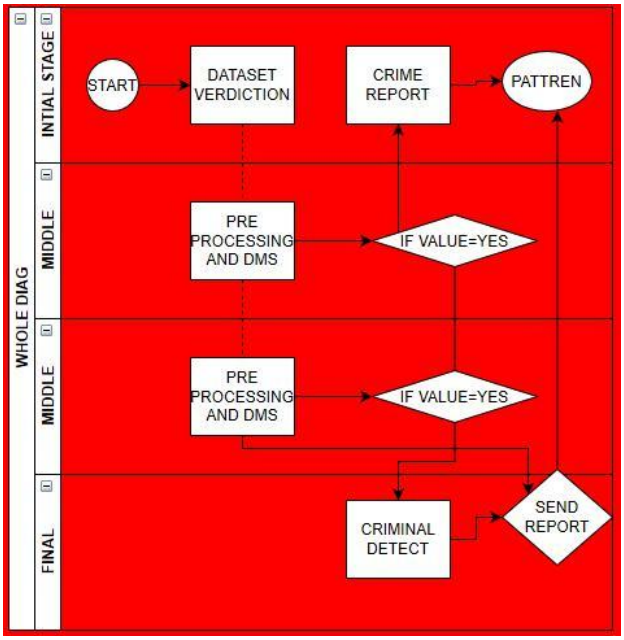


Figure 1: Criminal detection

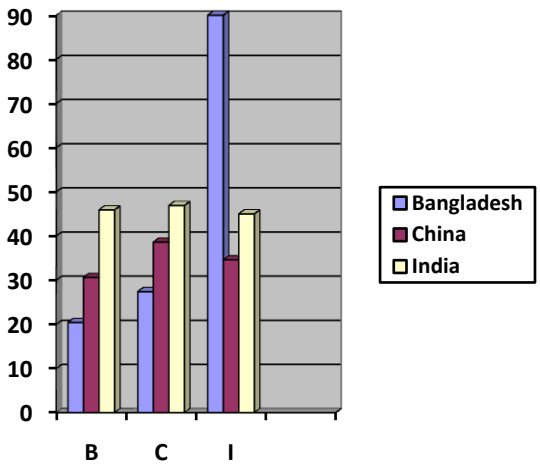
VI. AGGREGATION PATTERN

Now, we can easily predict one criminal by this unique code whether he is moving from one place to another place.to records which are also similar between themselves. In that case, the code is given below:

```
Start()
{
followup();
MethodMatching_crime(rest,run);
Import.comsac();
Function(start)
{
If(clone_rest!= run)
{
 Catch();
}
End();
```

This is just a snippet of code. By which one can immolate the equation to aggregation pattern matching code.

Criminals are now using mapping algorithms in terms of hacking by which they can easily know every move of agencies and polices. But, that’s why to reduce this problem we need to get the unique id and key using the streaming process. Here is the chart is given below as mentioned of B, C, I:



After a unique key:

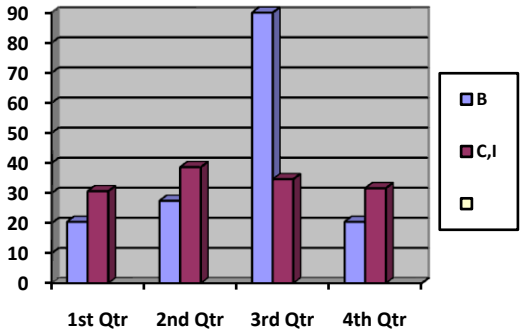


Figure 2: Ultimate chart

VII. CRIME PREDICTION

Another term of our study is to predict crime in a specific area and also at a certain time. The Bayesian classifier makes us enabled to reach our study goal. For predicting a crime we need four types of features. Such as:

1) Crime month
2) Crime day of the week
3) The real crime time
4) The real crime location

All the data can be formed as a normal set.

VIII. CODE

[tool.poetry]

name = "crimetracking"

version = "0.1.1"

description = "stream process is starting"

authors = “Srithazith”

python = "^3.7"

sklearn = "^0.1.0"

pandas = "^1.0"

build-backend = "poetry.masonry.api"

Here output:

Figure 3:Pattren

IX. ANALYSIS

So, after analyzing all these things we are now in a decision that we can easily free any country from any kind of crimes suing three items. Such as:

- Data streaming
- Pattern matching
- Neighborhood

We analyzed that crimes vary with criminal's age and health or political power also. So, we need to analyze these things deeply. Though we didn’t find any distribution between crime hotspot and people race connection.

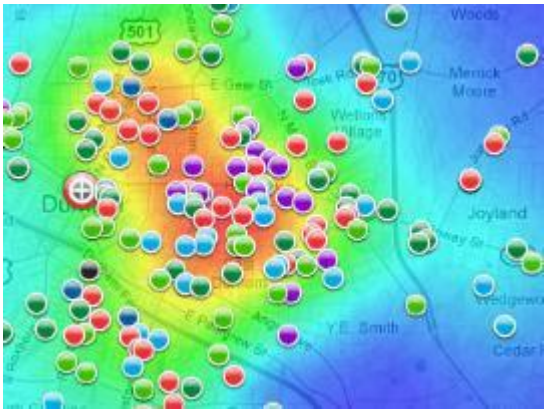


Figure 4: Crime Spots

X. CONCLUSION

Data science is giving us a new road to find criminals and clean the world from crime. Here we are not using free from the world cause firstly we need to clean the world from crime. Streaming process can reduce law problems. It can enhance the virtual judging system in any pandemic situation. That why we are very much interested in data science and also working with this sector. Already, we

worked two times in this sector but now I think this paper will increase some interest to the youths about working in the sector of data science.

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