**Assumptions:**

Names (First name and Last name) of the person and the name of the city/state/county always start with a capital letter

The sentence ends with a “.”(full stop) and there is a space before the start of the next sentence.

**Logic:**

We have divided the project into 4 phases

**Initial analysis:**

To find if there is crime involved in the article. We will do a sentimental analysis from the list of positive and negative words and based on the score we will proceed.

Positive words doesn’t contain positive vibrant words but the list of words which neutralizes the negative words, such as Insurance Fraud or Crime analytics contains Fraud and Crime which contributes to the negative list so to compensate we used the words Insurance and Analytics to contributes to the positive list.

**To identify the name of the Fraudster:**

We divided the article into 3 different view.

View 1: Integrates the article to a list of single words to find out the number of times a word is being repeated and as per our assumption the name of the fraudster should have occurred more than twice in the article.

View 2: Rather than splitting into single words, using tokens we divided the same article into groups of 2 words to identify the first and last name.

View 3: Filters the capital words from the article.

Using View 1 we count the word repetition and from the sample provided we could see that the Suspect’s last name is repeated in the article. So, we take the words which are being repeated more than twice, this leaves out the possibility of picking a judge or attorney.

From View 2 and View 3 we can get the Full name of the suspect. And comparing it with view 1 we can identify the name of the fraudster.

**Identifying the location:**

As we know that name of place is also a pronoun and it should also start with a capital letter, downloading the list of cities and counties and using view 3 should help us identifying the location.

**Final Verification:**

We split the article to form a list of sentences, from these sentences we will pull out the sentence which contains the name of the suspect and do a sentimental analysis again and match it with the initial analysis for confirmation.