A Survey on Mining of Tweeter Data For Predicting User Behavior

Sharmila Bhargava[1], Ankita Hundet[2], Dr. Rachna Dubey[3]

[1]M.Tech Scholar, Department of Computer Science & Engineering, Lakshmi Narain College of Technology& Excellence Bhopal (M.P), India,
[2]Assistant Professor, Department of CSE, Lakshmi Narain College of Technology& Excellence, Bhopal (M.P), India[2]
[3]Professor & Head, Department of CSE, Lakshmi Narain College of Technology& Excellence,Bhopal (M.P), India[3]

Abstract:- Here we present an approach for mining and analyzes data from social media, which is based on a large amount of data and is based on the use of composite applications for more sophisticated analysis. Social network development may be required. The purpose of this manuscript is to present equipment to use social media for the specialty of drug misbehaviour. We can apply drugs and drugs by implementing powerful methods like large data and cloud computing to capture emerging trends in abuse, outline a structured approach to social media, Our main Moto introductory step to gather and describe data from social networks like Twitter using the publicly available automated programmatic interface. Then, we discuss how to use Big Data Techniques.

Keywords: Media like Twitter, Data mining, big data, Medicines use by humans, Hadop, HDFS, Clavier

INTRODUCTION

Social media is going to remove information from the internet. Now one day it is used to remove the patient's data to know the symptoms of the patient. In order to encourage social media to live with the personal message, it is providing incredible opportunities for patients to overcome their experiences with medicines and equipment. Social media allows messages, contributions, aggregated information, And distribution in the health care field. Healthcare space is where the patients are notified about their permissions. It provides an effective social networking environment. The proper method of information and flow from my information is the cloud. Social media methods such as social media such as FaceBook, linkedin, Instagram, Twitter, & now we can take firstwall as a new social media to extract Data.

Data Mining Techniques

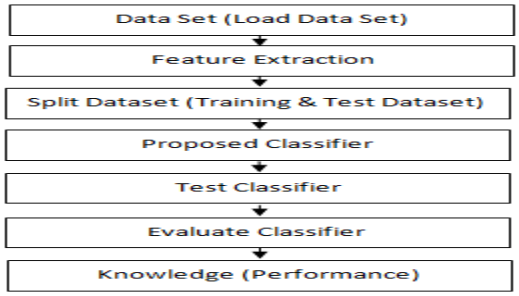

Figure 1: Proposed Data Mining Framework for Classification

we can take decision on the base of previous data or you can say whatever you have some information or knowledge you are gathered by previous large or huge amount of data that gathered from different source of input which gives us some meaningful information.

Data Pre-processing: In this section we will make some operation so that data can able to for mining purpose.
Data Mining: This can help to finding a different or good pattern from where we can understand some collective info.

Pattern Evaluation: By finding pattern we are able to give some suggestion to industries or any business that kindly follow like this.

Knowledge Presentation: we know that visualization gives us to get quick information from given patterns.

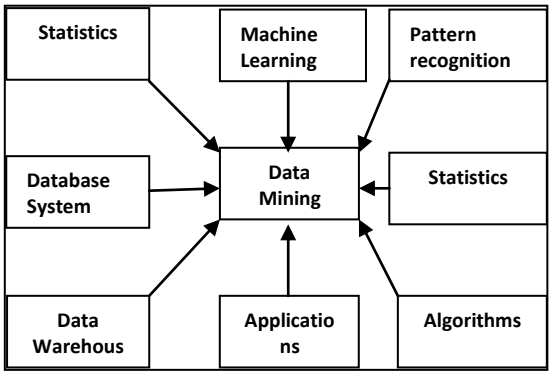

Figure 2: Multiple Domains where Data Mining Used

1.1 Overview of data mining and social media

DM (Data mining) comes at intersection of computer, numerical and data science. It select pattern on the basis of their stored information .this leads in future to solve any critical problem.

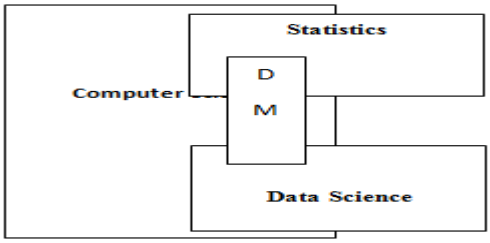

Figure 4: Relationship among Computer Science, Data Science, Statistics & Data mining

We are using data mining here to receiving some required information for different domain or a business, Our main concern to improve our profit according to nature of job. So many business is using data mining like recommending the newly product to customer by automatic through data mining. It gives a accurate patterns by which we can take any decision.

We are following ways to solve our problem which is explained through step diagram:

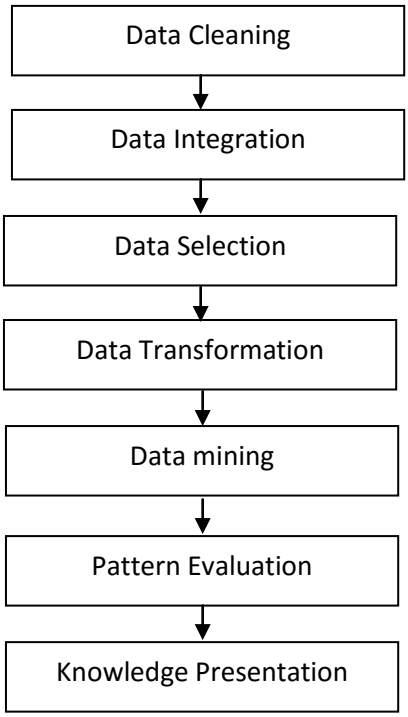

Figure 3: Processing Steps

Data cleaning: we will delete all noises.
Data integration: we will combine data sources from multiple locations.
Data selection: We will select concern data.
Data transformation: we will move or change into different for mining.
Data mining: we have intelligent algorithms to solve problems.
Pattern evaluation: To identify truly patterns which may help for finding results.
Knowledge presentation: Finally we got a result.

1.2 Previous Works of done in CLAVIRE

CLAVIRE (Intelligent Problem Solution Environment) is built on the concepts [3] which accelerate the PSE concept [4] with knowledge based simulation support. The IPS concept gives us to hide the technical info. of the infrastructure used: it is possible to communicate with the system using domain specific languages, which are itself translated into the overall applications made using the services available within the E-Signed Infrastructure is done. This approach integrates various resources using the domain-specific description of their use. This enables heterogeneous calculation and data processing and integration of integrated access to them. Apart from this, this approach allows to define composite applications in the form of composite WF

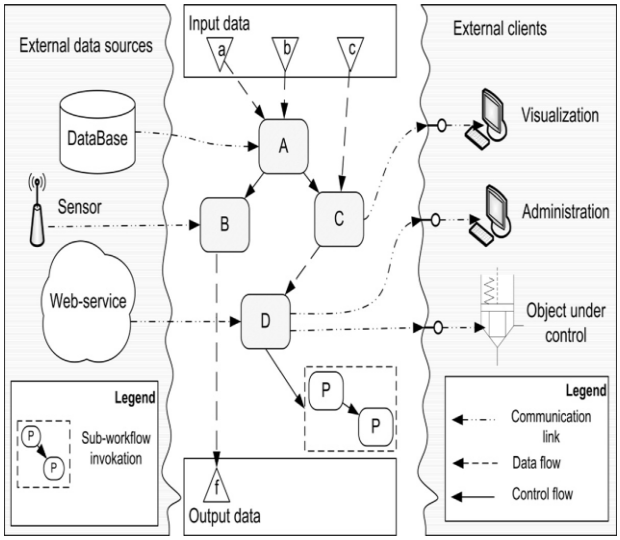

Figure 5: Execution Model of CLAVIRE[4]

1.3 Data Management through Big Data (HDFS)

Our management of data from social media provides an integrated approach to solving scientific tasks. Since there is a large amount of data in social media, we used Big Data Paradigms and analyzed it. First of all, data is mined from social media using our crawler [2] which stores it in the Hadop Cluster.

Second, large amounts of mining data are filtered and collected to obtain comparatively small datasets of relevant information for the solved work. Finally, consolidated data is used as an input for the overall applications, which perform final and sophisticated data analysis. To arrange the computational process of the overall application, we have AAS (application as a service).

2. LITERATURE SURVEY

We studied number of research papers and developed some concept out of them is defined below

***2.1* social media mining for public health monitoring and surveillance by Michael j. paul, Abed sarker, john s. in department of information science, university of colorado, boulder.**

Here Authors Explained Social media extracts for health information for public purpose to monitoring, in a pace seminar on "Miscomputing (PSB) 2016. In addition to add up the overall information of the session, this paper also contains a recent research on the use of social media. Here Authors used following techniques to solve our problem:

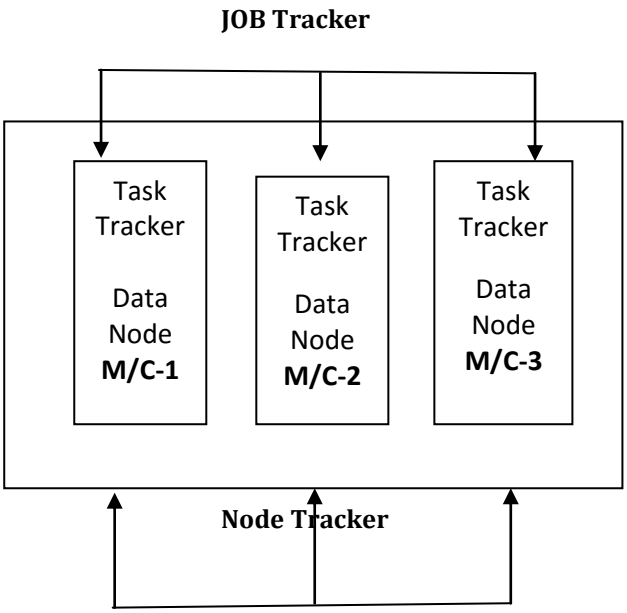

Figure 6: Process Diagram

By above mechanism we have number of machine and that m/c we have to track our Task by any individual node. For accelerating our speed we are replicated number of m/c in this system.

2.2 Extracting Knowledge from Social Media to Improving Health Issues Informatics by Mr. V.R.Nagarajan and Monisha.P in IJARCCE.2015.47128

Here Authors Explained Social Media provides an Intelligence Information Extraction for the field of Information Science, including Bioinformatics, Image Information Science, Clinical Informatics, Public Health Informatics, etc.

In order to improve low-cost health care results, we propose a framework that focuses on the positive and negative symptoms of the disease and the side effects of treatment. We take the most prevalent cancer for this health care: lung cancer. They concluded that Social media is one of the emerging areas which provides a data on the web to access data through the web.

2.3 A review of data mining using big data in health informatics by Matthew Herland, Taghi M Khoshgoftaar and Randall Wald in Herland et al. Journal of Big Data 2014, 1:2

Here Authors Explained The amount of data generated by many health department has much informatics and quite vast also, and analyzing this Big Data provides potentially unlimited possibilities for knowledge.

Apart from this, this information can improve the health care quality Patients. However, there are many issues arising during handling data in these huge amounts, especially how to analyze this data reliably.

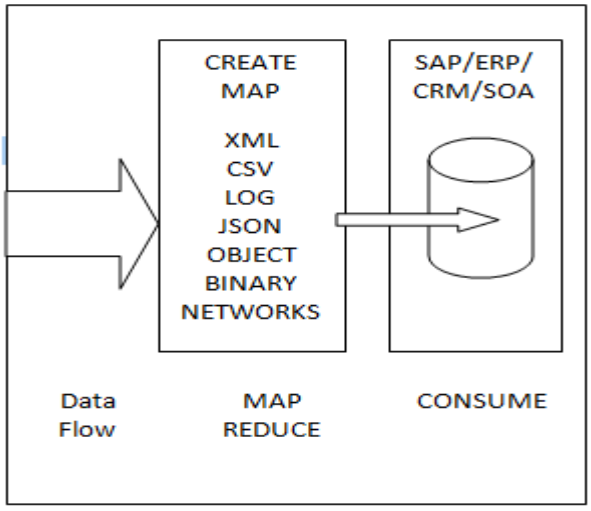

Figure 7: Process Diagram

Finally they concluded these studies are only a taste of future possibilities, which can be achieved through the analysis of Big Data for data mining and health information science. In the form of computational power Increases, more efficient and accurate methods will be developed.

3. PROBLEM IDENTIFICATION

We have learned several things from this study (work). First, By the previous study we have to restricted that we will not stick on any one model because when our model in dynamic behaviour then we are able to tolerate as much as tolerance. Here we are applying many techniques so that our data flow gets reduce to process ,during reducing we have make multiple copies of data so that they can kept on multiple machine that can process simultaneously and in any damage case we can retrieve very easily. by this mechanism we will reduce our maximum loss during process.

4. PROPOSED TECHNOLOGY

Python is a popular platform used for research and development of production systems.

Python is creating for dynamic structure for extracting data process on large amount of data items. It includes several implementations achieved through algorithms

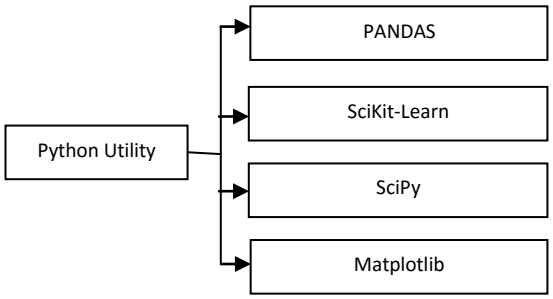

Figure 8: Libraries in python

5. CONCLUSIONS

In this paper we introduced our approach to mining and analysis data from social media which is based on large data and cloud computing patterns. In Reduce map technology data flow may from different source and when it enters into MAP REDUCE architecture their file format may be different as csv, json, object etc. next step how to consume this data by crm/sap and many others model, which simplifies the development of newly algorithms and provides us very effective modules which reflects high flexibility.

Reducing the map The programming model has been successfully used on Google for many different purposes. We credit this success for a number of reasons. First of all, it is easy to use for programmers without the experience of model parallel and distributed systems, because it hides details of parallelism, fault tolerance, area optimization, and load balance. Secondly, a large number of problems can be easily expressed in the form of reducing the calculation of maps.

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