Mining Social Networking Site for Digging Students Emotional Behaviour

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ABSTRACT

Now a days, Social media playing a crucial role in social media site and distributing of data. Social media sites like a Twitter, Facebook , and YouTube provide the best venues for students to share happiness and struggle, vent emotion and stress, and seek social support. On diverse social media sites, students debate and share their everyday encounters in an not formal. Student's profession provide very large amount of implicit knowledge and a complete new opinion for educational researchers and practitioners to understand student's experiences outside the controlled classroom ecosystem. A work-flow is developed which combine both qualitative analysis and large-scale data mining . Hence these issues are differentiated using Naive Bayes Multi-label Classifier algorithm. This task can help in perceive the student's problem in efficient way.

Keywords
Data mining, social media, text mining.

1. INTRODUCTION
Students' casual interaction on social media(e.g Twitter, Facebook) shed light into their educational experiences- opinions, feelings, and interest about the learning process. Data from such un-instrumented environments can provide important knowledge to instruct student learning. Resolving such data, however can be difficult task. The complexity of students' experiences follow from social media content requires human interpretation. However, the appearing scale of data demands instinctive data analysis techniques. Engineering students clash problems such as weightly study load, malfunction of welfare engagement and sleep deprivation are considered. A multi-label classification algorithms to categorize tweets reflecting students' difficulty is implemented.

Nowadays, there are numerous social media sites like twitter, facebook, photo bucket etc. These sites provide people a way to express their thoughts and feelings in front of huge amount mass. Social media enables us to be joined and interact with each other anywhere and anytime – allowing us to observe human behaviour in an unprecedented scale. This provides golden opportunities to understand individuals at scale and to mine human behavioural patterns otherwise impossible.

Social media sites also provide a way to advertise and share with people hence they are now used in various fields like politics and educational systems. Social media having endless advantages also comes with few disadvantages like overuse of these sites by people, posting objectionable things or using it for harming others.

Social media comes in various categories like some sites are for sharing of data in purely text format while some are for sharing pictures and videos.More people are becoming interested in the social media for information, breaking news and other diverse subject matters. They find out what other people's views are about certain product/service, film, school etc. Moreover, personalities make efforts to protect their image and are being conscious of how they are perceived on these sites.

With the rise of social media, the web has become very vibrant and lively. Hence more and more people are actively participating in these sites. Social media has become an ever increasing field in today's world.

1.1 Social Media Mining
Social media mining is the method of presenting, analyzing, and infusion meaningful patterns from data in social media.It is a area which embracesses ability from computer science, data mining, , social network analysis, network science, sociology and mathematics. Mining is also called as "Knowledge Discovery" i.e to discover or gain knowledge from raw data. In social media mining we mine the knowledge from various posts generated by people. These are then analysed and used for producing the results.

In this process information is collected, analysed, classified according to need and then final results are produced. Hence the mining helps in understanding individuals better, which can be used to design better computing systems.

2. CHALLENGES IN SOCIAL MEDIA MINING

Social media mining comes with various challenges which poses certain difficulty in mining process.

The first challenge is its enormous size.

Second is the user generated data which comprises of noise and un-structured data.

Third is to classify the data which is of use and dump the remaining data.

3. RELATED WORK

1. Text mining

Text mining is the process of formatting the given text (parsing, with addition of some linguistic features, addition of some subsequent data), forming the structured database and evaluation and interpretation of output. The good quality of text mining refers to the combination of relevance, interestingness.

How to do text mining?

1. Information retrieval: Collecting or identification of set of text documents, taken from the social media which is posted by the user.

2. Natural language processing: In this we are recognize the part of speech which is tagged, syntactic parsing.

4. PROPOSED WORK

First one sample is carry from student and then it will be plot qualitative analysis on that sample which is associated to engineering students educational life. It discovered engineering students encounter problems such as heavy learning load, defect of social meeting, and sleep deficiency. stand on these outcomes, authors apply a multi-label classification algorithm to categorize tweets presenting student's problems.divide and compare with differen generic classifications. Our work spread the range of data-driven approaches in teaching such as learning analytics and educational data mining. The valuable point in proposed study are, First, it forthput a workflow to bridge and integrate a qualitative research methodology and large scale data mining techniques.

It foundation our data-mining algorithm on qualitative insight resulting from human understanding, so that it can against deeper understanding of the data. Then attach the algorithm to different large-scale and unexplored dataset, so that the physical process is improved. The another one paper impulse whole insights into engineering student's educational experiences as act as in casual, absence of controll environments. Number of issues and difficulty such as study-lifes cales, defect of sleep, lack of social engagement, and lack of diversity clearly emerge. These could raise awareness to educational researcher, policy-maker.

4.1 Mining Twitter Data

Twitter is one of the most popular site. This social media site is public i.e the data or the content of Twitter is very concise. Analysis methods include qualitative content analysis, quantitative analysis, etc. But mining social media data is a very difficult task. Many methodological difficulties arise during analysing the huge amount of dataset i.e. textual dataset.

4.2 Cluster

Clustering and classification are both the fundamentals of data mining. Classification are also known as the supervised machine learning and clustering also known as the unsupervised machine learning technique.

Clustering is the method of discovering the comman data set and collect in the same group which is more similar to each other. The main base of clustering is to grouping the data based on the given data description.

5. CONCLUSION

The conclusion is based on mining social media data which helps in recognizing the student's problems. Mining social media data is helpful to researchers in learning analytics, educational data removal, and learning skill. This work help the organization and in an education system to and the present student educational experience

6. REFERENCES

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