

COVID-19 SENTIMENT ANALYSIS

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MOTIVATION:

COVID-19 has affected every single person around the globe and has had a huge impact on businesses everywhere. People are sounding their emotions on various social networking platforms and one of those platforms is twitter. The hashtag "Covid19" is trending and people are voicing their sentiments on it.

Twitter makes public Tweets and replies available to developers. Hence, it allows developers to post Tweets via API. Developers can access Tweets by searching for specific keywords, or requesting a sample of Tweets from specific accounts. These endpoints can easily be used by people to identify, understand and counter misinformation around public health initiatives.

SIGNIFICANCE:

The pandemic of Covid-19 has taken everyone by surprise. Many people have lost their jobs and their businesses. It's a topic which has grappled everyone and is a point of discussion and debate. There have been cases where people have had breakdowns because of this environment that has been created because of it. So it is significant to know how people are feeling about this and what are their sentiments towards it.

OBJECTIVES:

1. To understand the sentiments of people.
2. To find out which people are affected the most.
3. Which locations are affected the most.

FEATURES:

We collected tweets on the topic "Covid-19" and will be pre-processing the data to remove unnecessary data. Further we will be using Hadoop and Spark to analyze the data. We will be using various Hadoop tools like MapReduce, sqoop and hive and also some of the spark tools to help assist us in this project.

CHAPTER 1(LIFE):

WHO :

Covid 19 pandemic has affected everyone around the world in one or the other way.

1. Cities, with their dense international setups were particularly affected which includes markets, business, travel, tourism. These were the common entry points for the virus.
2. Rural areas and regions with high numbers of elderly people were affected as well.
3. The pandemic has deeply impacted jobs and businesses. In the developing world, micro-level, small-level and medium-level enterprises are under intense pressure.

WHAT :

1. The pandemic has taken a lot of lives.
2. COVID-19 has rapidly affected businesses, world trade, our day to day life and movements.
3. Presently the impacts of COVID-19 in daily life are extensive and have put tremendous pressure on the healthcare sector and affected the social lives of the people.

WHEN :

The early traces of the virus were found in November 2019 but it spread rapidly across the world and was declared as a pandemic in March 2020 by the World Health Organization and is still going on.

WHERE :

200+ Countries and Territories around the world have reported a total of 113M+ cases of the coronavirus COVID-19 that originated from Wuhan, China, and a death toll of 2.5M+ (as of this writing)

WHY :

There is no definite answer to this question. The primary cause of this virus has been linked to the animal “bat” by the mainstream media.

CONTRIBUTION OF WORK:

- ❑ **Affan Asad Charolia** - Project Report and dataset research.
- ❑ **Ali Alyami** - Motivation, objectives part. Editing report and dataset research.
- ❑ **Vyoma Desai** - Significance, features part, chapter life. Editing report and dataset research.

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