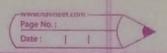
Afrance rashant forwar (1721) DSHC: Assignment - 2 Illustrate the analysis of social media date in 01. the detection & tracking of Protections disease out breaks. It also It PLEDIN Data Collection: (2) Choose the Social-Media Platform: Select asocial media platform for docta collection. Twitter is often a popular choice due to its real-time & public accessibility. Data Gathering: Use API to collect relevant data. Data Beprocessing: text cleaning 1 Clean the collected text data to remove noise, including roselevant tweets, only, special characters & duplicates Sentiment Analysis! person sentiment analysis to understand the overall sontiment (positive (negative / neutral) of the freets related to the disease, (3) Keyword Extraction:

identity disease related keywords 1 extract keywords & hashtags related to the disease from the cleaned text. Geospaticel Analysis: extract location into! dedermin the geographical location of user drawing disease - related tweets, this can be done by analysing user protiler, geotags or other location based into.



- (5) Tomporal Analysis:

  time sersies Analysis.

  analyze the temporal aspect of the data to
  detect spikes or trends in disease related
  mentions over time.
- Exactistical Analysis:

  employ statistical methods to detect conusual patterns in the dater, sudden spikes in the no. of dicease related tweets, could be inclinative of an outbreak.
- Develop Visuali zations:

  Develop Visual representations of the data to communicate findings efficitively.
- Automated Alents:

  Implement automated overt sys. that triggers

  motifications when significant change or

  spikes in disease related mentions one detected.
- Good reference with Official Dates:

  verify the social media findings with official is

  walth org dates.
- Public Health response:

  if ear outbreeck is confirmed, public health authorities

  contake appropriate measures.

- De Thurtroele a case study on the use of social media analysis as a source of public Health Porto.
- => O title: twitter analysis of the COVID-19
  Pandemic: A source of public health Prito.
  - Data Collection

- twitter date related to Covid 19 was collected using the fwitter app. keywords such as Covid-19, commawinus, parnolemic. here used to filter thees.

Deete Poleprocessing:

the collected tweets were channed to remove
retweets, duplicate content, & non english
tweets.

Sentiment analyms was performed to categorize tweets as positive megative / newtral.

Topic Modeling!
latent disichlet allocation (LDA) was employed
to identify prevalent topics within (oriariq
related tweets.

Sentiment Analysis:

centiment analysis revealed the public's emotional response to the pandomic which can be indicative of stress, fear or hope.

E finding: Emerging topics Sentiment toends Regional Insights.

- 11st popular online doctor communities & there discurs the analysis of data for one particular disease & drug-associated genes that are being tested from!
  - O Popular Online boctor Communities:

    Several online communities (outer specifically to doctors. & healthcare professionals. They offer plat forms for sharing knowledge; discussing core studies & networking.
  - Desomo:

    this is a vistual doctors longe where liven sed

    physicions can anonymously talk real world

    medicine.
  - (3) Deximity:

    Description:

    The largest comme of Mealthcase prof. in the country, with over 70.1. of Us. doctors as verified members.
  - (4) Med scape:

    Med scape provides a platform for physicians &

    healthcare professionals to access medical

    comtent, including the latest medical news

    & expent perspectives.
- (5) Quantamos

  this pratform oftens a collaboratives

  approach to learning & practice growth.

  Doctors can share their insights & learn from

  each others.

pered on social media & them disurs the enalysis from.

200

- O Syndronic surveillance exp based on social media.

  Several syndronic surveillance sys teverage social media dates to track & predict disease authoreases
- D Health map: Monitoring 2 real time surveillance of emerging public Health threaks.
- (3) Fro MED-mail:
  The program for monitoring emerging diseases
  Promed-mail) is a global electronic reporting
  sys.
- Flu News You:

  This was wound sound datento provide real

  time tracking of flu activity.
- (5) cickheaether:

  This is a social neaelth n/w & realtine map of sickness & symptoms in your local area which allows you to check for the spread of illness in your local area.
- Bio Caster:

  this is a health related news aggregator

  that uses my to track the spread of

  disease outbreaks.