

Code
1) library(twittr) :- To make connections to people & organizations within their communities.

2) NLP :- the text is essential for developing chatbots. It is to simplify text preprocessing.
NLP → natural language Pre-processing.

OAuth :- (or)

3) OAuth :- R interface for OAuth specification which is having binary interface.

4) tm :- It provides a set of predefined sources = (e.g. Disource, vectorsource, dfsource) which handle a different & also specific attributes.
→ It is a text mining.

5) stringr :- It is built on top of stringi, which uses the ICU library to provide fast correct implementations of common string manipulations. In this we can imagine anything.

6) RcolorBrewer :- It is an 'R' package that contains a ready-to-use (color palette) for creating graphics for using +ve & -ve.

7) wordcloud :- which is nothing but a content representation that is ready to use graphs.

9) caCert - for downloading the certificate
It contains certificate references for well-known certificate authorities. & It includes an oracle.

11) Twitter authentication - It is an extra layer of security for your twitter account. (also it is a security purpose) & we can enter code.

12-19: -
Left is ~~list~~ variables & right is ~~variables~~ keys.

These ~~are~~ all keys are secret keys for twitter without these we can't able to login twitter account.

API -> It is also a consumer key.
Application program interface & which is unique key for authentication.

Access token - Token carry the information necessary to ~~get~~ get a new access token.

which is nothing but a login credentials
EX: - colleg Id cards

21) ~~It~~ It is a twitter search it will search inside the tweets of the twitter.

22) Tweets - It can use twitter to increase brand awareness & delight their audience.

Limitation:-

1) In twitter search we should see the max of 7 days tweets. After it will ~~not~~ ~~be~~ be disable.

2) Is it for real ^{like a question} it is a machine it ~~is~~ will not detect. ~~the~~

3) ~~ex~~ one person is staying in America. they will not know our sentiments like Praying to gods.

4) we will use earth means it will give max of 1000 tweets

403 error \rightarrow it is a bug. (or) refresh the page
(or) time error.

(or) check the address
(or)

TRY again later.

1) What is ~~sentimental~~ sentimental analysis?

A) \rightarrow It is automated process of identifying & classifying subjective information in the text data.

\rightarrow This might be an opinion, a judgment, (or) a feeling about the particular topic.

\rightarrow It involves classifying statements as +ve, -ve and neutral (Both)

use of libraries ~~For suppose twitter~~

It contains the functions ~~it~~ like we will definition functions of arithmetic & logical operations

Ex:- $\text{Sum}(5, 10) = 15$

$$\text{Ans} = 5 + 10 = 15$$

Keys:-

It will use for the login

we are using the developer access

Getwd() \rightarrow current what is happening in the program
It returns an absolute filepath representing the "current working directory".

Setwd() \rightarrow It is used to set the working directory to dir.

4b) head sample:- It will display the first 'n' rows
It return the first ^{part} object (or) Last Part of the object.

\rightarrow like vector, matrix, table, dataframe.
& It may also be extended to other classes

4c) view(sample):- It includes all views of your media counted across videos & images.
 \rightarrow The video view matrix is available for owned tweets

41) ~~sample~~ view sample It is used to show the characters how characters are using in the table - final.

WOC Id \rightarrow where on Earth Identifier using 32-bits.

VEC | \rightarrow size of array

vector:- A vector is the simplest type of data structure in R.

It is a sequence of data elements of the same basic type.

Hashtags:- It is important to know, that 'R' ignores all lines that begin with a hashtag #. It is really ~~useful~~ useful for making comments on your code.

(or).

\rightarrow This will make the code easier to copy & paste if you want to "put" it in your own console.

\rightarrow R ~~twice~~ ^{treats} the hashtag character, #, in a special way;

\rightarrow R will not run anything that follows a hashtag on a line.

Positive words:- Happiness it must share it to enjoy it.
people who shine ~~from within~~ ^{they} don't need the spotlight

ss) negative words (or)

It is an idea (or) feeling that a word evokes...

If something has a positive connotation, it will evoke warm feelings

ss) negative:- meanwhile something with a negative connotation will make someone feel less than pleasant.

ss) Lexical analysis:- It is an algorithm inside main ~~work~~ ^{work} will be ~~done~~ running & it like to comparing the +ve words & -ve words.

→ It is dividing a column & it is showing in a table

→ meanwhile how much -ve & -ve will be compared & giving analysis.

cleaning text:- It ^{means} ~~after~~ a list of words (or) token that we can work.

Q) How do ~~we~~ you clean a tweet?

A) Twitter has yet to roll out a bulk delete tool of its own, but you can remove your tweets one by one through the official interface.

Q) How to create a different data frames.

A) → It is to create dataframes from dict. of list.

→ All the list must be in same length. If the index is passed then the length index should be equal to the length of arrays.

* using "pandas" we should create dataframes.

Local Trends - It will allow you to learn more about the world & discover even more relevant topics locations, languages & data through our API.

Trends - It is a popular at a certain point in time.

→ while a trend usually refers to a certain style in fashion (or) entertainment, there could be a trend toward warmer temperatures

→ The most common way to identify trends is using trending, which connect a series of high (or) lows.

12-19 → ^{the keys} It will work on the NLP for ~~the~~

28-34 → df

40&41 → sample

48 → It will read the ~~the~~ words of 2006 items

50 → ~~correlation~~ -ve ~~correlation~~ 4783

58-136 → table_final

58-163 → ^(or) table_final.

165-168 → in plot histogram of table_final score.

171-188 → ~~correlation~~ sentiment analysis of prech.

199-208 → a-terms.

211-216 → data.

219-247 → In plots histogram frequency in the tweets of the trending topic.

~~Median Learning~~

What is libraries

They are stored under a directory.

The location where the storage is saved is called library.

How do I merge data frames.

A) It uses the `rbind` function. The two data frames must have the same variables, but they do not have to be in same order.

Ex:- data frame 'A' has variables that data frame 'B' does not, then either delete the extra variables.

Positive Percentage:- The rates b/w 0.02% & 0.09% are considered to be good & the reactions for every 1000 followers.

Ex:- we are having a 'good' words in that we don't want what is, +ve word & what is -ve word for calculating this we are using `relcount`.

Histogram:- A diagram consisting of rectangles whose area is proportional to the frequency of a variable & whose width is equal to the class interval.

→ It is used to summarize discrete (or) continuous data.

→ In other words, it provides a visual interpretation.

→ It is similar to a vertical bar graph.

→ manually we are learning the `relcount` code. what is +ve word & what is -ve word.

Pie chart:- It is a circular statistical graphics, which is divided into slices to illustrate numerical proportion.

→ In the pie-chart, the arc length of each slice is proportional to the quantity it represents.

Uses:-

→ It is a good visual representation of different data sets.

→ It cut into different sized slices to show specific percentage for each part.

58) Lexical analysis:-
It is an algorithm inside main work is running
comparing +ve words & -ve words

Types of appies in R

60-95 run at a time

58-137 run at a time

58) It is dividing a column It is showing in a table
what is +ve & what is -ve. How much it is
+ve & how much it is -ve. (& it is compared in a table

137) Positive Percentage & (-ve) Percentage

It is used for methods for giving Percentage

139-168
run at a time

With the bases of we are drawing a graphs

170 + Pie charts

202) World → world of the earth
where on earth identifier

It is showing the world id of location trends

220) recent tweets.

207 & 208 Run

215 Run

221 & 222 Run

Environment → Inside environment
all the variables will
be stored.

~~We are having one user that user will.~~

A ~~hashtag~~ is a ~~word~~ we are having one user in his account top 10, top 20 tweets comprising.
→ It will remove the hashtag & shows the frequency.

hashtag pattern:- It is a bubble of information on certain ~~hashtag~~

(or)

certain a function to generate this string only if there are any parameters that would change that string. Like a number of hashes so you can easily print.

Environment:- Inside the environment all the variables will be stored.

Twitter Advantages	Twitter Disadvantages
→ It is easily promote your research. by providing links to your stories, articles & news items.	→ About 140 million people actively use twitter as of the date of publication, according that though the social media network.
→ Reach a large no. of people quickly through tweets & retweets.	→ It is a network where users can follow friends, athletes, actors & anyone else who has a twitter account. whether they really know the person (or) not.
→ Build relationships with experts & other followers.	

Group 12

List :- It is an object which contains elements of different types like strings, numbers, vectors & another list inside it.

Strings :- It is a set of characters. It is basically a bunch of character variables.

→ It is one dimensional array of characters.

→ It represents textual context and can contain numbers, spaces & special characters.

Variables :- It provides us with named storage that our programs can manipulate. It can store a "atomic vector" & combination of many R objects.

Data frames :- It is forming in a matrix like excel sheet. It is forming in a excel sheet or matrix. It is a table (or) a two-dimensional array.

like structure in which each column contains values of one variable & each row contains one set of values from each column. & Each column should contain same number of data items.

→ using "Pandas" we should create the data frame.

Keys in Rstudio in R :-

Ctrl + 1 : source editor (your script)

Ctrl + 2 : console

Ctrl + 3 : Help

Ctrl + 4 : History

Ctrl + 5 : Files

Ctrl + 6 : Plots

Ctrl + 7 : Packages

Ctrl + 8 : Environment

Project explanation of CSF-445

Carstone

8. line

ca-cert → cot & send to desktop

11-21 copy & Run

It ~~is~~ ~~the~~ developer keys & accessing key
for using ~~data~~ data access (it will generate the unique key)

20.) IPL Auction → latest 100 tweets it will search
give any key word (it will come all the details of that)

15 → login into twitter.

20) search key for twitter.

22.) Run → it is a list (various types of lists
like data bikes)

27-40 → copy & Run

df → how many times it will come & it will show
there.

we should filter the IPL Auction

Sample → data will be

15 → cp > carstone >

↑
COPY & PASTE

same as 17 & 49

code, key +ve words until -ve words
sentiment analysis

Why twitter?

1) ~~Twitter~~ ~~about~~ you to:

- It easily promote your research, by providing links to your blog stories, journal articles & news items.
- The People quickly through tweets & retweets...

2) What is the main purpose of twitter?

1) It is a social media site, & its primary purpose is to connect people & allow people to share their thoughts with a big audience.

Limitations:-

- For suppose we are searching a date we can see the max of 7 days tweets. ~~After it with the~~ ~~After that~~ After that we can't see that tweet.
- Showing +ve ~~and~~ -ve tweets & neutral. Some members are show ~~no~~ jovial for +ve & -ve tweets we are not detecting that.
- It will show maximum of "1000" tweets

403 error → it is a bug. like refresh the page
(or)

Double check the address

logical operations:- All numbers greater than '1' are considered as logical value true. The first vector is compared with ~~corresponding~~ the second vector

loop:- A loop is a control statement that allows multiple executions of a statement.