readME

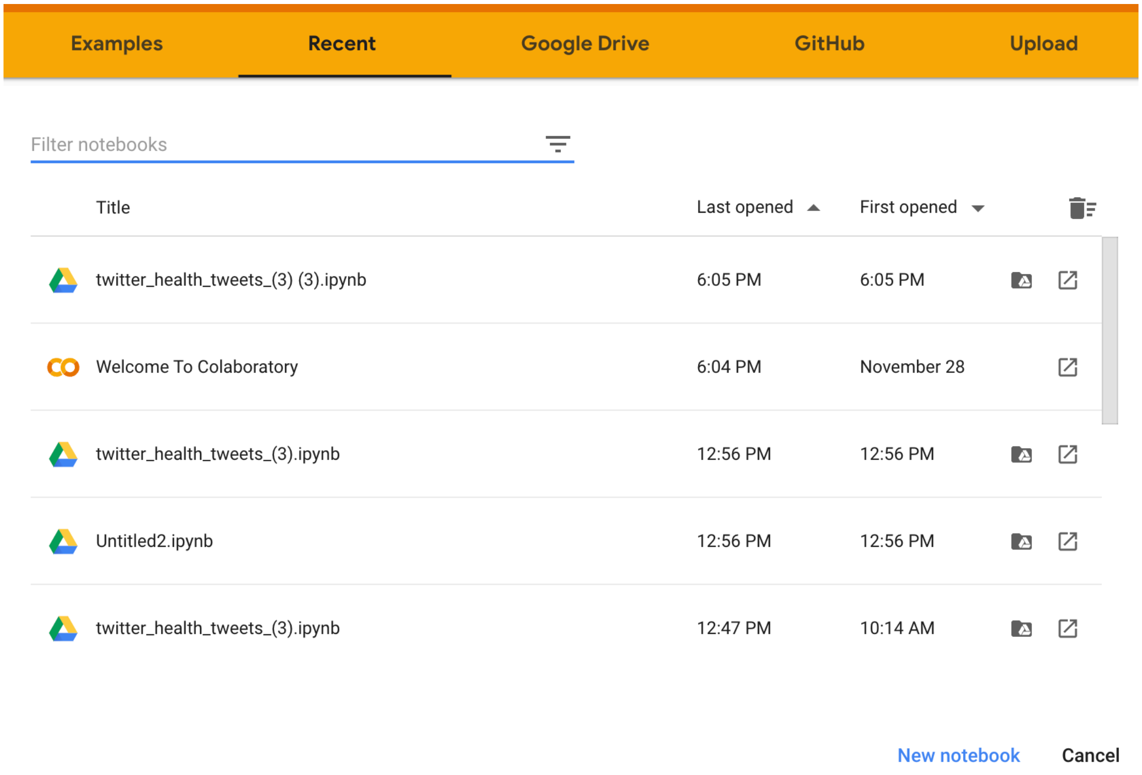
Github Link: https://github.com/NaveenAre04/Twitter-Health-Surveillance

This contains three files and readMe file.

1) Source code file: twitter_health_tweets.ipynb
2) Test csv file: Corona_NLP_test.csv
3) Train csv file: Corona_NLP_train.csv

1) Open google colab in the google chrome.

2) Click on the “upload” button on displayed window.

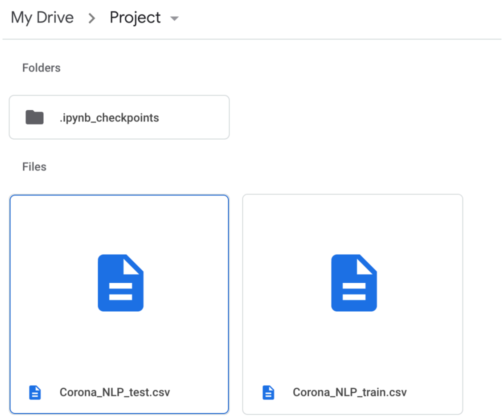


Title	Last opened	First opened
twitter_health_tweets_(3) (3).ipynb	6:05 PM	6:05 PM
Welcome To Colaboratory	6:04 PM	November 28
twitter_health_tweets_(3).ipynb	12:56 PM	12:56 PM
Untitled2.ipynb	12:56 PM	12:56 PM
twitter_health_tweets_(3).ipynb	12:47 PM	10:14 AM

3) Upload the source code file which we provide.

Code file name: twitter_health_tweets.ipynb

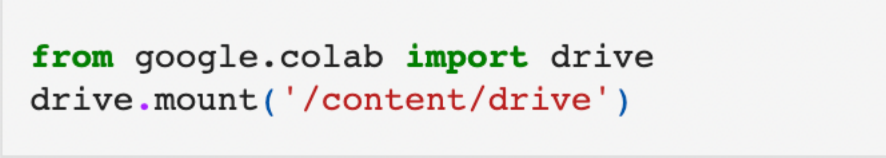
4) Create a folder named “Project” in your goole drive and please upload test and train datasets which we will provide you.



Test data: Corona_NLP_test.csv
Train data: Corona_NLP_train.csv

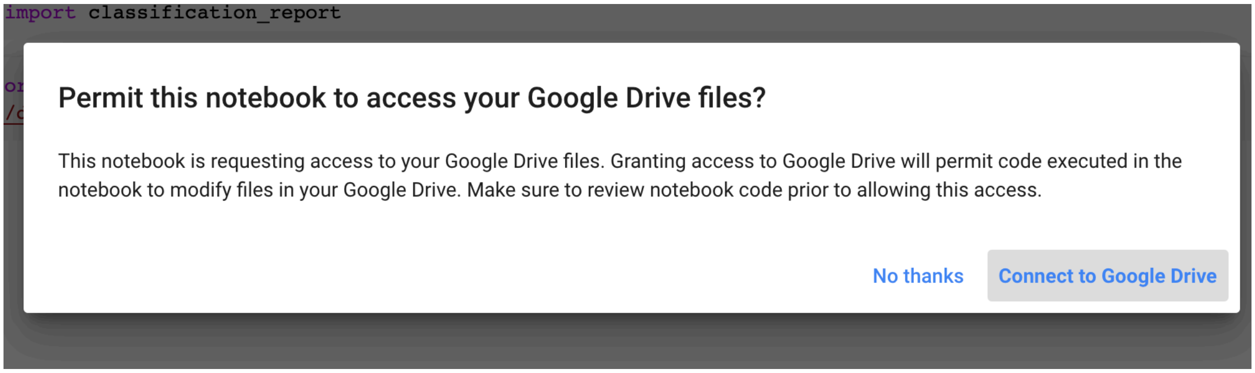
5) Comeback to google colab and execute first kernel which contains all the import packages of python and machine learning.

6) Next execute the kernel which is after to the packages. This is for mounting the drive and execute it.



```
from google.colab import drive
drive.mount('/content/drive')
```

7)It will prompt for the permission to connect the google drive like below and click on connect to google drive.

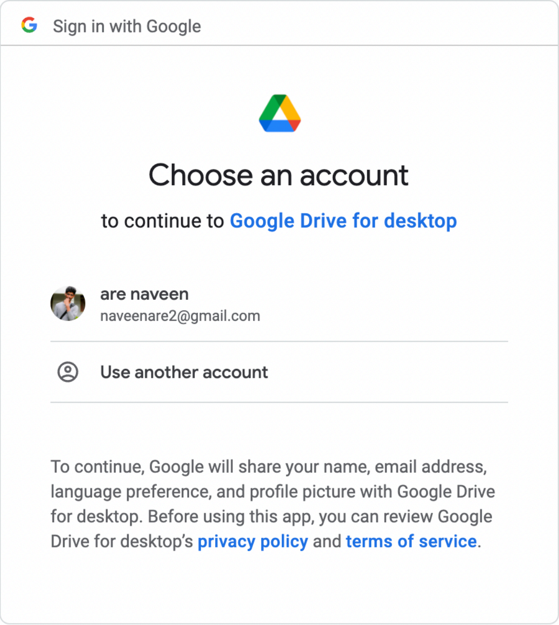


```
import classification_report
```

Permit this notebook to access your Google Drive files?

This notebook is requesting access to your Google Drive files. Granting access to Google Drive will permit code executed in the notebook to modify files in your Google Drive. Make sure to review notebook code prior to allowing this access.

8) Choose the google account in which you stored train and test data.csv files. The account must be linked to the drive in which we created the folder and placed our files.



Sign in with Google

Choose an account

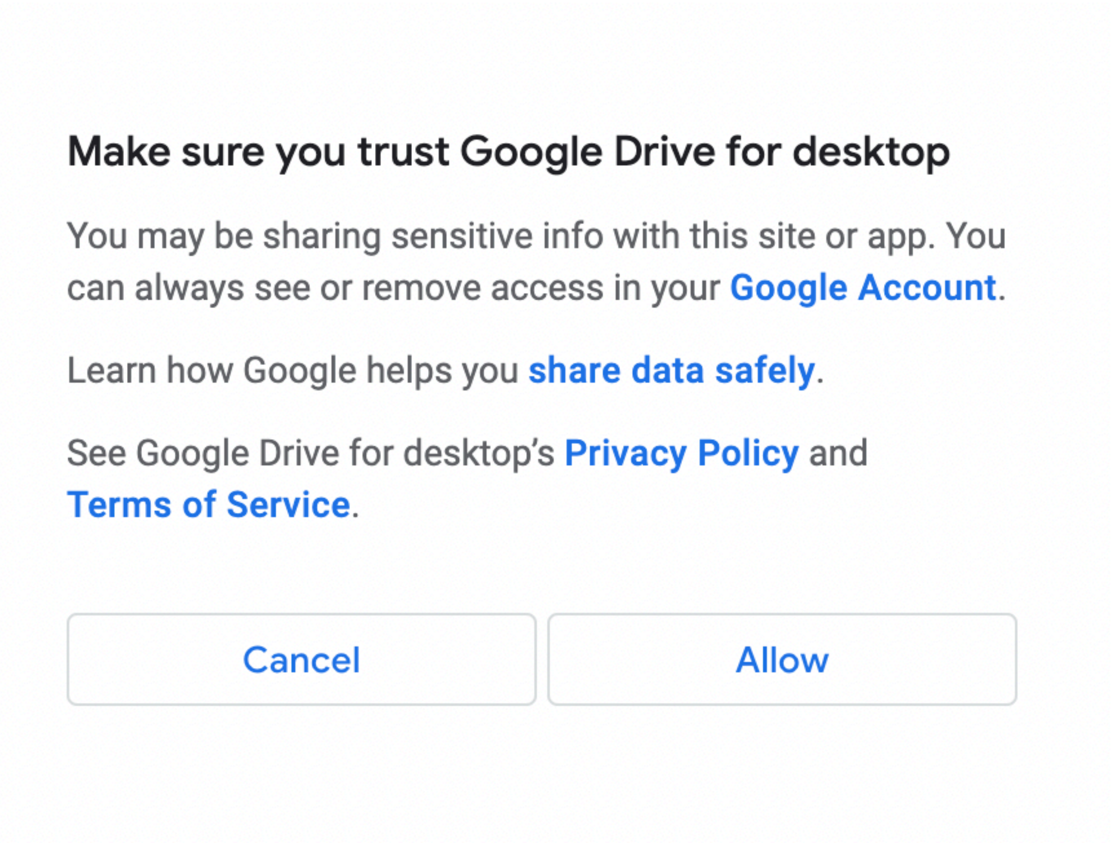
to continue to Google Drive for desktop

are naveen
naveenare2@gmail.com

Use another account

To continue, Google will share your name, email address, language preference, and profile picture with Google Drive for desktop. Before using this app, you can review Google Drive for desktop's privacy policy and terms of service.

9) click on the allow button which will gives permission to access the files in google drive.



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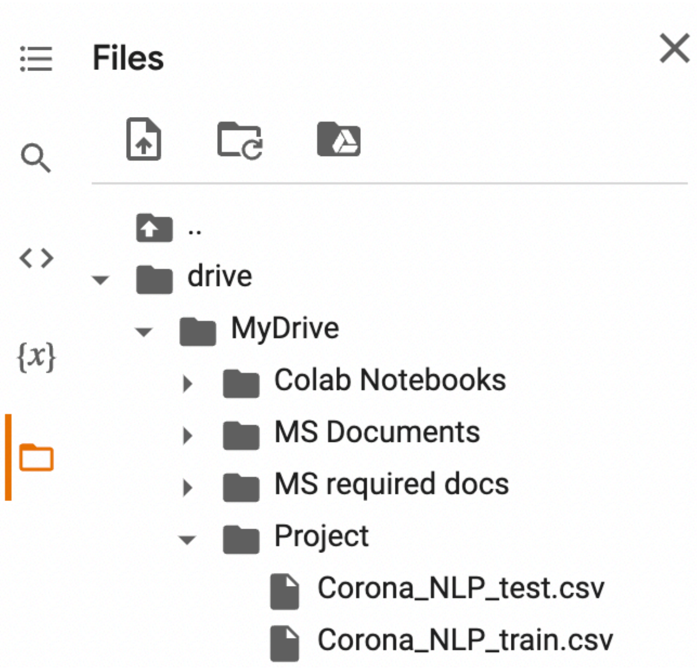
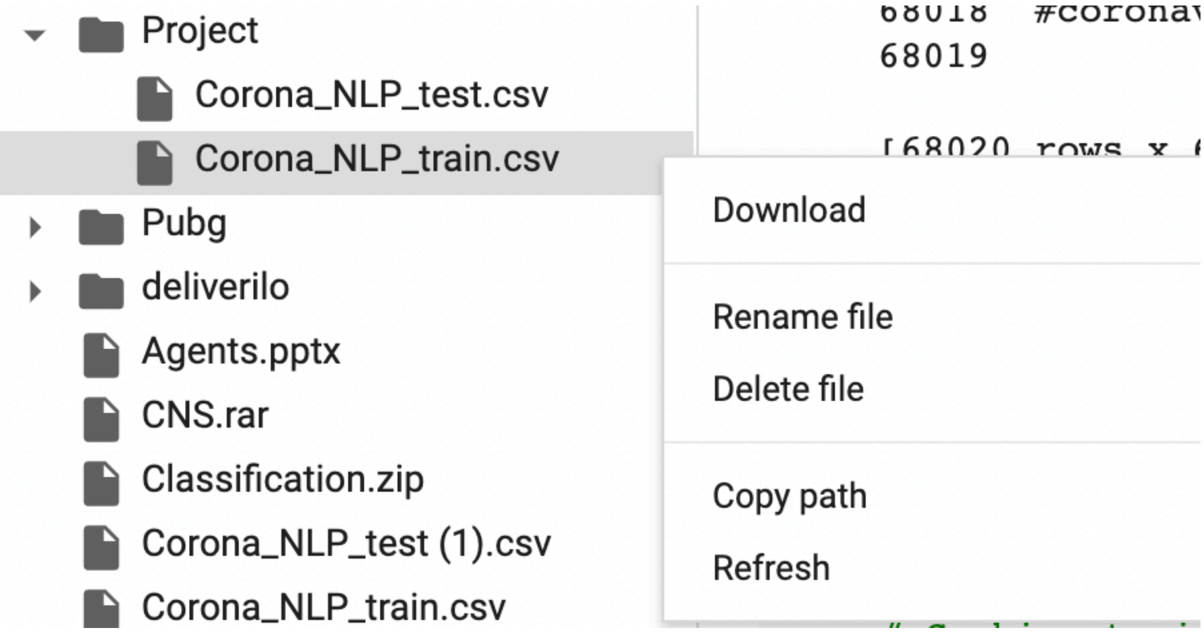
10)
Then in google colab where we opened our source code, under files section it will show our data sets files in the “Project” folder and this will be under MyDrive parent folder.



Note: Please execute remaining kernels in order.

11) Please copy the path of the files by clicking on “copy path” option whenever it requires



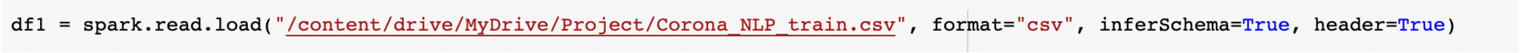
```
68018   #coronav
68019

[68020 rows x
```

Note : Only these two kernels need paths, so please paste path exactly to avoid manipulations.

12) Below two kernels needs the path of those files. Please copy the appropriate path of those files and paste it in pd.read_csv(‘’).

Kernel 1- Here For spark load, copy the Corona_NLP_train.csv path and paste it in spark.read.load() function of df1 variable. Below is the snapshot of df1 variable.



```
df1 = spark.read.load("/content/drive/MyDrive/Project/Corona_NLP_train.csv", format="csv", inferSchema=True, header=True)
```

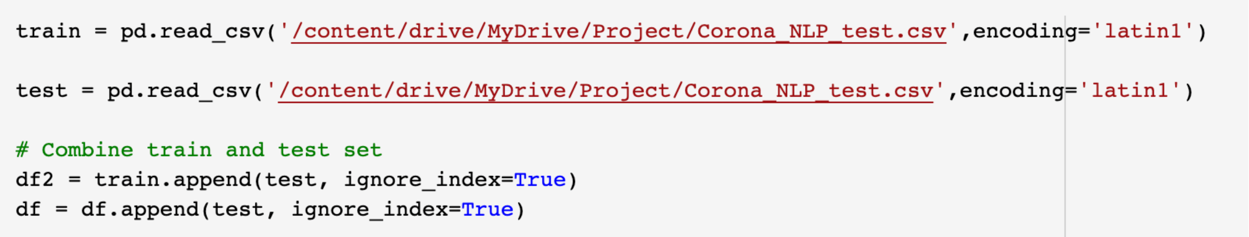
Then execute df1.head(), df1.printSchema(), df1.describe(), df1.count(), **df=df1.toPandas(),** print(df) kernels.

Kernel 2- Below are the snapshots for train and test path kernels.

For train and test please copy the appropriate file paths and paste it in the respective functions.

For train, copy path of Corona_NLP_train.csv file and paste it in pd.read_csv() function of train variable

For test, copy path of Corona_NLP_test.csv file and paste it in pd.read_csv() function of test variable.



```
train = pd.read_csv('/content/drive/MyDrive/Project/Corona_NLP_test.csv',encoding='latin1')

test = pd.read_csv('/content/drive/MyDrive/Project/Corona_NLP_test.csv',encoding='latin1')

# Combine train and test set
df2 = train.append(test, ignore_index=True)
df = df.append(test, ignore_index=True)
```

13) Please execute all the kernels in order, so that results will be displayed properly.