**REQUIRMENTS FOR FAKENEWS DETECTION**

**Hardware Requirements:**

* Windows 10/8/7/XP/Linux

**Software Requirements**:

* Above 4GB RAM
* Jupyter notebook
* Python
* Colab notebook
* Python 3.6 or above
* Google Drive

**Libraries To Be installed:**

* !pip insall feedparser
* !pip install newspaper3k
* !pip install tensorflow
* !pip install datetime
* !pip install time
* !pip install pandas
* !pip install np
* !pip install seaborn
* !pip install nltk
* !pip install spacy
* !pip install wordcloud
* !pip install statistics
* !pip install textblob
* !pip install sklearn
* !pip install keras
* !pip install collections

Libraries to be imported:

import json

import pandas as pd

import numpy as np

import seaborn as sns

import matplotlib.pyplot as plt

import nltk

from nltk.corpus import stopwords

from nltk.tokenize import word\_tokenize

import spacy

import wordcloud

from wordcloud import WordCloud

import statistics

from collections import Counter

import datetime

import textblob

from textblob import TextBlob

import sklearn

DataLinks

* FakeNewsCsv:

<https://drive.google.com/file/d/1MRFNhM_lQbr_bo-QefbH1WNC02kmCFnU/view?usp=sharing>

* TrueNewsCsv:

<https://drive.google.com/file/d/1KfyG6mDV-lZK31GypfGDMrL7S53eU3eg/view?usp=sharing>

* Scraped Json:

<https://drive.google.com/file/d/1nGX4t5-FSb-nRe9580HFy9AVCeiLetFF/view?usp=sharing>

Changes to make for file paths:

import os

from google.colab import drive

# Mount google drive

DRIVE\_MOUNT='/content/gdrive'

drive.mount(DRIVE\_MOUNT)

# create folder to write data to

B11=os.path.join(DRIVE\_MOUNT, 'My Drive', '\*\*YOUR FOLDER NAME\*\*')

HOMEWORK\_FOLDER=os.path.join(B11, 'Project')

os.makedirs(HOMEWORK\_FOLDER, exist\_ok=True)

Colab Notebook Links:

WebScraping: <https://colab.research.google.com/drive/1vK1xVCJu0Iwt4GIrAUBYgw3h0SNa0OMc>

EDAandmodelling:

<https://colab.research.google.com/drive/1tVZ9yF48urHG4bL1zemBsCusqGcmR2G6#scrollTo=nN6Twjj7I_P5>

Modelling With Bi-directional LSTM :

<https://colab.research.google.com/drive/1ueEd0Wtvw3ROJ-vpM6ceUaLbdwJHcAg3#scrollTo=Z0d7qNMLUCc3>