

## STEPS TO RUN DIFFERENT STOCK ANALYSIS

1. Put the large\_machine.pem file into a folder
2. Now open macos/ubuntu terminal and from there go to that folder that contain large\_machine.pem file
3. Now copy paste this command and run into terminal :
  - A. `chmod 400 large_machine.pem`
  - B. `ssh -i "large_machine.pem" ubuntu@ec2-3-14-249-218.us-east-2.compute.amazonaws.com`

If successful you will see screen like this :

```
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.4.0-1029-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage

System information as of Sun Jan 31 12:26:30 UTC 2021

System load:  0.05          Users logged in:      1
Usage of /:   10.4% of 61.98GB  IP address for eth0:  172.31.4.180
Memory usage: 23%           IP address for docker0: 172.17.0.1
Swap usage:   0%            IP address for br-1a1d7278b071: 172.18.0.1
Processes:   137

* Introducing self-healing high availability clusters in MicroK8s.
  Simple, hardened, Kubernetes for production, from RaspberryPi to DC.

  https://microk8s.io/high-availability

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch

0 packages can be updated.
0 of these updates are security updates.

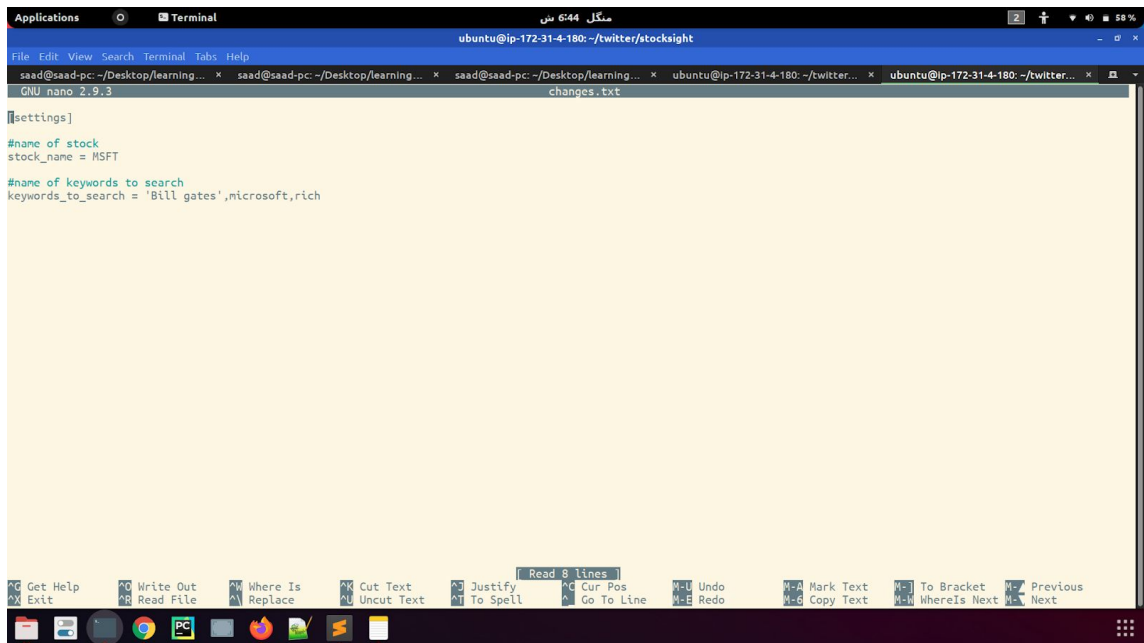
New release '20.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***
Last login: Sun Jan 31 12:07:19 2021 from 182.185.152.74
```

4. Now type these command in sequence :
  - `cd twitter/stockstight/`
  - `source ~/twitter/venv/bin/activate`
5. Now to run particular stock analysis on server you need to follow these steps:

As on local pc we have softwares to edit text files but server does not have this perk we have to edit file using commands

First type **nano changes.txt** it will open terminal like this:



```
[[settings]
#name of stock
stock_name = MSFT
#name of keywords to search
keywords_to_search = 'Bill gates',microsoft,rich
```

Now using keyboards arrows keys go to specific line and made the changes like this:

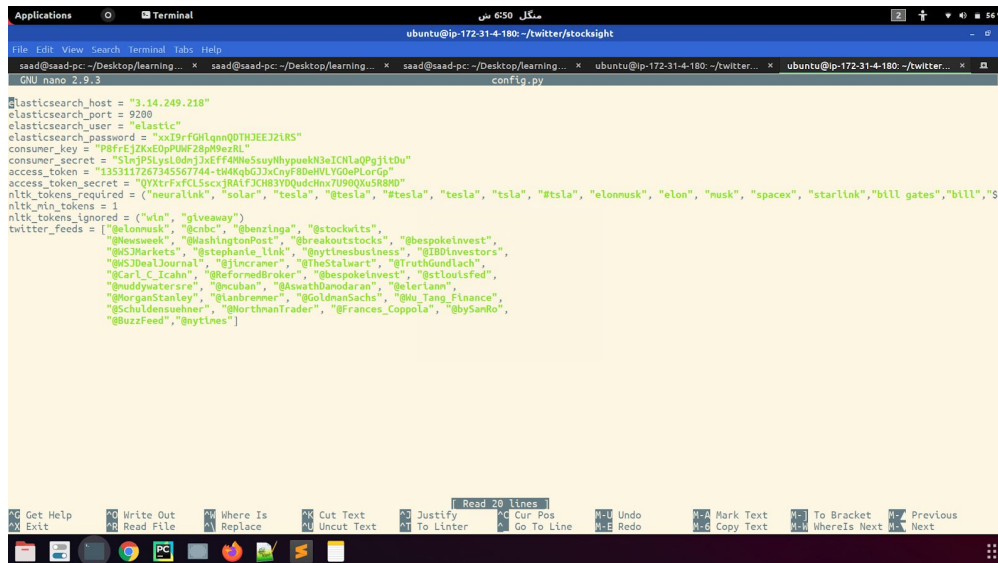
- In front of **stock\_name** write the name of stock like : MSFT or TSLA
  - In front of **keywords\_to\_search** type the keywords you are looking into tweets (the system will select those tweets which contain these words and apply sentimental analysis on them )
- Format for keywords:**
- **Minimum 3 keywords are required**
  - **No spaces between keywords like :**  
elon,musk,tesla,richguy,richestman
  - **If you want to write word in space write in single quotes like:**  
'elon musk','bill gates',rich,richguy
- In front of **mine\_url** type either true or false mine\_url will start mining the link as well (if link is in tweet)
  - In front of **followlinks** type either true or false followlinks will start mining from twitter\_feeds added into config.py
  - In front of **twitteruserids** type either true or false twitteruserids will start mining from the ids (if valid ) in twitteruserids.txt

To save the file press :

- **Ctrl+o**
- **Enter**
- **Ctrl+x**

This will save the file and close the opened file

6. Now type **nano config.py** it will open terminal like this:



```
elasticsearch_host = "3.14.249.218"
elasticsearch_port = 9200
elasticsearch_user = "elastic"
elasticsearch_password = "x19rF0HlqmQ0THJEEJ2LR5"
consumer_key = "P8FrEj3KxEdpPUMF28pH9ezRL"
consumer_secret = "5LxjPSLysL8dnj3xEff4MNe5uuyHhypeukN3eICNLaQgjitDu"
access_token = "1353117267345567744-tW4KqGJJxCnyF8deHVLyG0ePLorGp"
access_token_secret = "Q0XtFrXfCL5scxjRA1fJC83Y0QdcMxv7U99QXusR8pD"
nltk_tokens_required = ("neurallink", "solar", "tesla", "tesla", "tesla", "tsla", "tsla", "#tsla", "elonmusk", "elon", "musk", "spacex", "starlink", "bill gates", "bill", "S
nltk_min_tokens = 1
nltk_tokens_ignored = ("win", "giveaway")
twitter_feeds = ["@elonmusk", "@cnbc", "@benzinga", "@stocktwits",
"@Newsweek", "@WashingtonPost", "@breakoutstocks", "@bespokeinvest",
"@53Markets", "@stephanie_linn", "@nytimesbusiness", "@IBDInvestors",
"@53RealJournal", "@lincoln", "@theStalwart", "@TruthAndLies",
"@Carl_C_Icahn", "@ReformedBroker", "@bespokeinvest", "@stlouised",
"@muddywatersre", "@cuban", "@aswathDamodaran", "@elerlann",
"@MorganStanley", "@Lanbrenner", "@GoldmanSachs", "@Mu_Tang_Finance",
"@Schuldensuehner", "@NorthmanTrader", "@Frances_Coppola", "@bySanRo",
"@BuzFeed", "@nytimes"]
```

Now using keyboards arrows keys go to specific line and made the changes like this:

Here you will change:

- Nltk\_tokens\_required** : Here you have to copy at least 3 keywords you have written into step 5. Each keywords will be in double quotes like :  
("elon", "musk", "rich", "Bill gates" )
- Twitter\_feeds** : You will copy paste name of twitter accounts you want tweets of like :  
["@elonmusk", "@nytimes"]

To save the file press :

- **Ctrl+o**
- **Enter**
- **Ctrl+x**

This will save the file and close the opened file

8. If you want to mine data from **twitteruserids** you can add those users in the twitteruserids.txt for that open **twitteruserids.txt** add ids numbers (one id at one line) and **save the file** make sure ids are valid

9. Type command **python main.py** and let this terminal open

10. Open a new terminal Repeat step 2, 3, 4 and then type **python price.py**

11. Now go to <http://3.14.249.218/> this will open kibana go to dashboard to see the required results

12 .If you want to stop at any point (for each terminal)

- Press ctrl+z
- Now type exit and press enter you will get out of server