INSTA BOT 2 - SMRITI GOEL

Requirements:

- install anaconda (using python 3)
- Install webdriver for your chrome version
- Replace 'SAMPLE USERNAME' with instagram username
- Replace 'SAMPLE PASSWORD' with instagram password
- Replace executable_path with your web driver location for chrome

1. Now your friend has followed a lot of different food bloggers, he needs to analyse the habits of these bloggers.

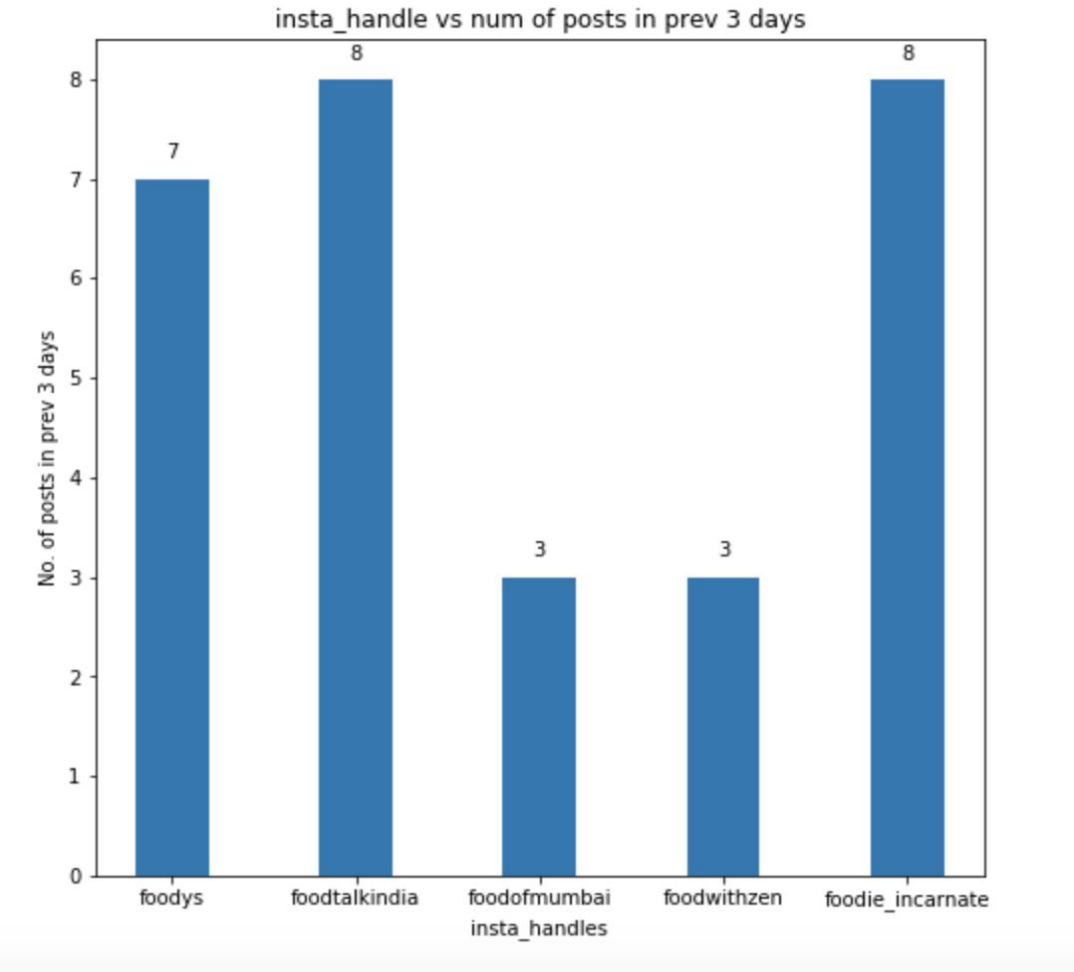
1.1 From the list of instagram handles you obtained when you searched ‘food’ in previous project. Open the first 10 handles and find the top 5 which have the highest number of followers

Top 5 which have the highest number of followers
Username: foodys | Number of Followers: 9970847
Username: foodtalkindia | Number of Followers: 282032
Username: foodofmumbai | Number of Followers: 209001
Username: foodwithzen | Number of Followers: 156386
Username: foodie_incarnate | Number of Followers: 133750

1.2 Now Find the number of posts these handles have done in the previous 3 days.

Username and Number of posts in last 3 days
Username: foodys | Number of posts in prev 3 days: 7
Username: foodtalkindia | Number of posts in prev 3 days: 8
Username: foodofmumbai | Number of posts in prev 3 days: 3
Username: foodwithzen | Number of posts in prev 3 days: 3
Username: foodie_incarnate | Number of posts in prev 3 days: 8

1.3 Depict this information using a suitable graph



2. Your friend also needs a list of hashtags that he should use in his posts.

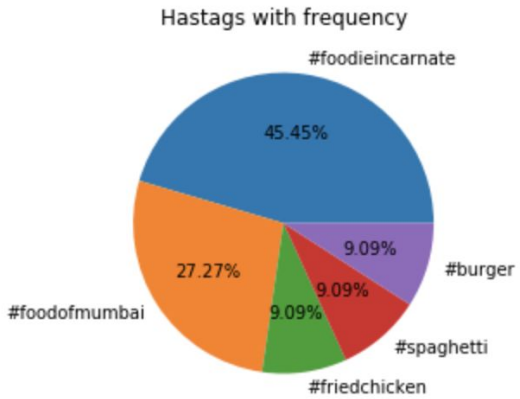
2.3 Create a csv file with two columns : the word and its frequency

Note: attached a file - words.freq

2.4 Now, find the hashtags that were most popular among these bloggers

	word	freq
0	#foodieincarnate	10
1	#foodofmumbai	6
2	#friedchicken	2
3	#spaghetti	2
4	#burger	2
5	#cheese	2
6	#healthyrecipes	1
7	#eatsipshare!	1
8	#discovergurgaon	1
9	#ferrerorocher	1

2.5 Plot a Pie Chart of the top 5 hashtags obtained and the number of times they were used by these bloggers in the scraped posts.



3. You need to also calculate average followers : likes ratio for the obtained handles. Followers : Likes ratio is calculated as follows:

3.1 Find out the likes of the top 10 posts of the 5 handles obtained earlier.¶

Total likes of posts in prev 3 days
Username: foodys | Number of likes in prev 3 days: 60010
Username: foodtalkindia | Number of likes in prev 3 days: 2188
Username: foodofmumbai | Number of likes in prev 3 days: 3416
Username: foodwithzen | Number of likes in prev 3 days: 19821
Username: foodie_incarnate | Number of likes in prev 3 days: 18330

3.2 Calculate the average likes for a handle.

Avg likes in prev 3 days
Username: foodys | Avg like: 8572.857142857143
Username: foodtalkindia | Avg like: 273.5
Username: foodofmumbai | Avg like: 1138.6666666666667
Username: foodwithzen | Avg like: 6607.0
Username: foodie_incarnate | Avg like: 2291.25

3.3 Divide the average likes obtained from the number of followers of the handle to get the average followers:like ratio of each handle.¶

Followers like ratio
Username: foodys | Followers:Like (approx): 16283/14
Username: foodtalkindia | Followers:Like (approx): 47435/46
Username: foodofmumbai | Followers:Like (approx): 15051/82
Username: foodwithzen | Followers:Like (approx): 2367/100
Username: foodie_incarnate | Followers:Like (approx): 5779/99

3.4 Create a bar graph to depict the above obtained information. Your project will be evaluated on¶