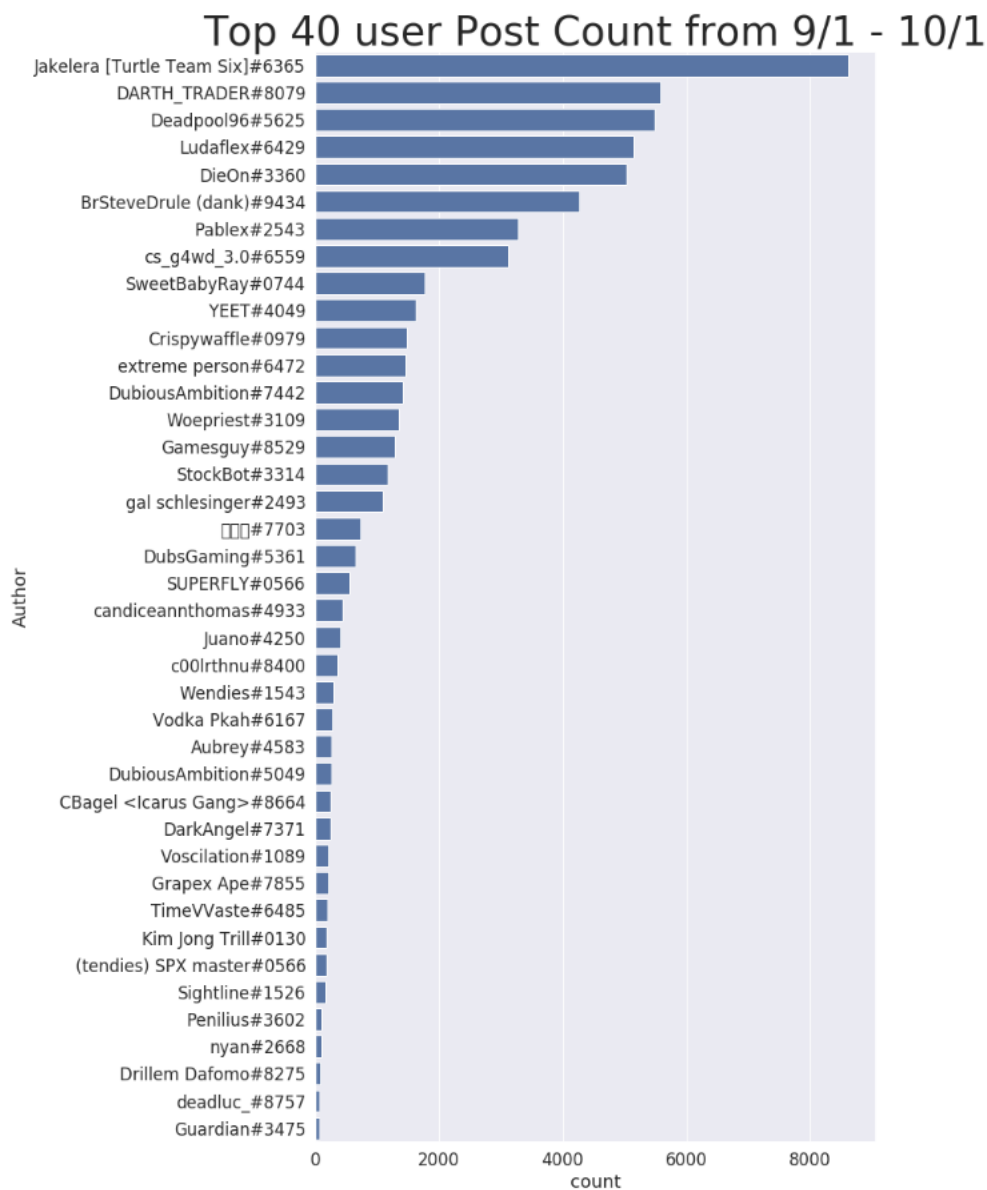Drill Cord Report
Month of September 2019

Following is an analysis report of DrillCord, one of the many private option trading servers on discord. The purpose of these servers is for users to communicate and discuss option trading during stock market hour, making optimal trades based on buying and selling put or call contracts for different stocks. The purpose of this report is to obtain insights on trade frequency, traded stocks, and user trading information to see if it is possible to implement these data into a model for predicting options and its accuracy for profitability. Two main factors are focused on in this report, this includes the activity of users and frequency of possible trades. Activity of users can indicate the important players in the server while also eliminating noise caused by nonsensical users. Also by focusing on trade frequency it is possible to indicate the performance of the server and its users.

1) Activity of Users
   a. Top Users
   b. Attachments
   c. Content Sources
   d. Active Hours
   e. Reaction and sentiment

2) Word processing
   a. Word Cloud
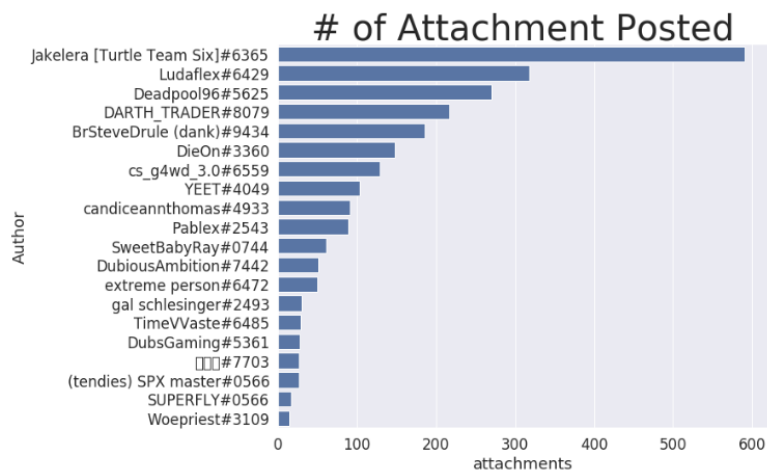   b. Puts and Call frequency
   c. Stock Ticker
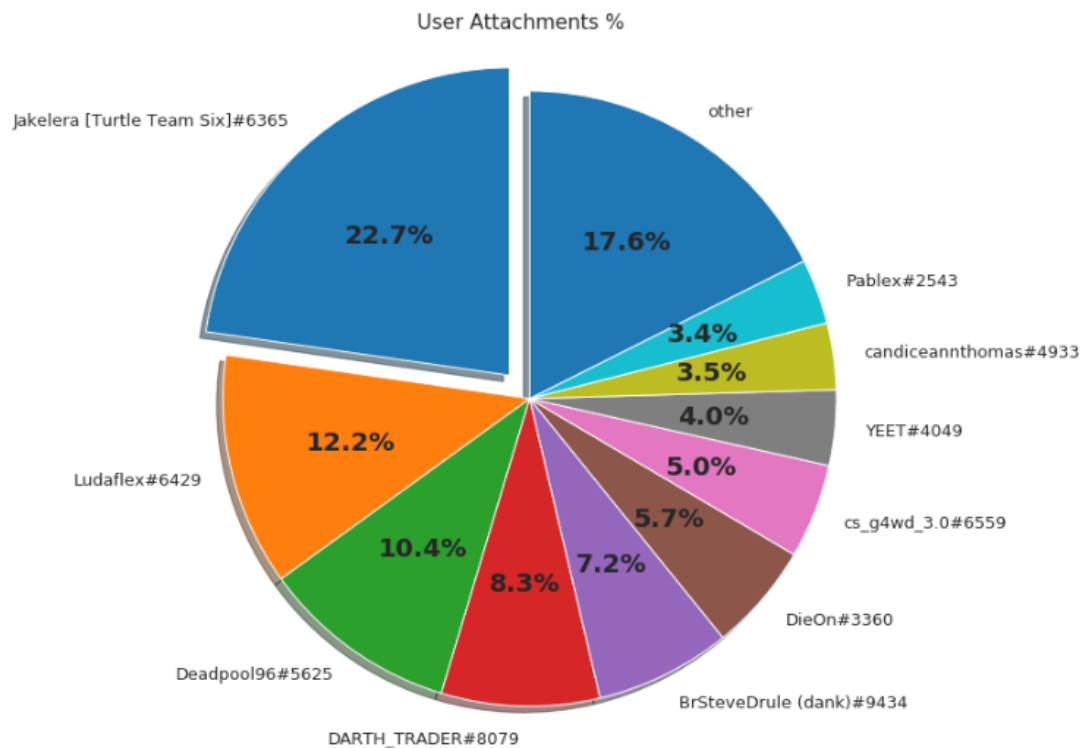
1) Activity of Users

Top users

Top users by post counts. Based on the chart two sections can be distinguished excluding the top user (Jake doubling count post of most users). The upper section ranges from 6k-2k post and the latter section for anyone below 2k post.
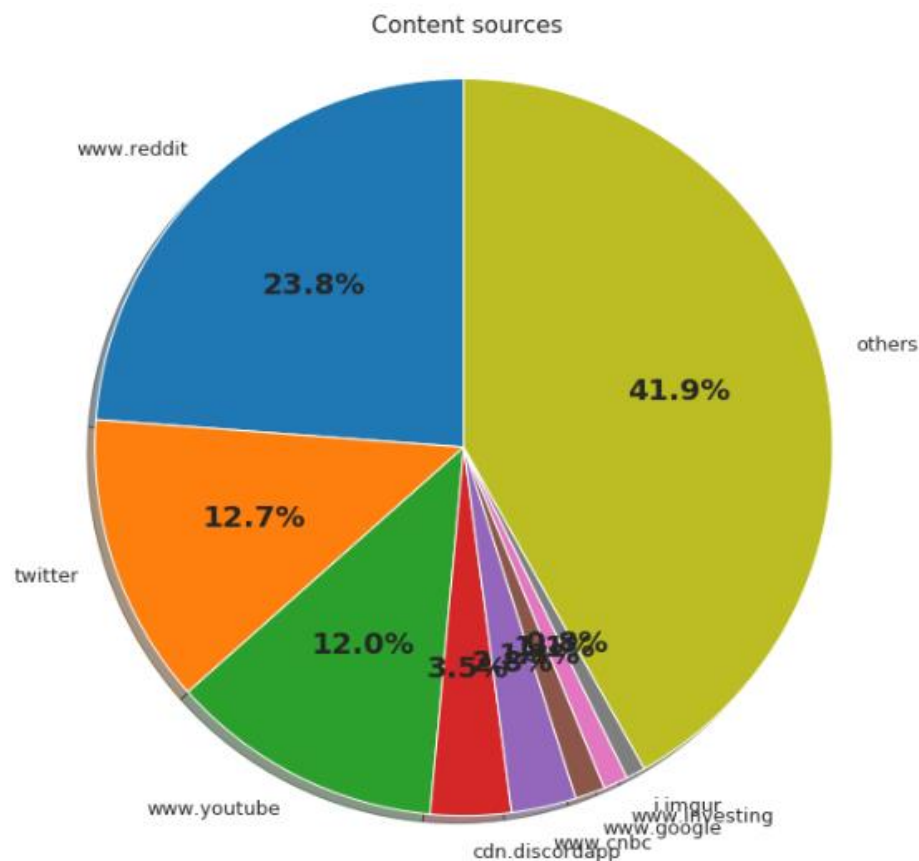
Attachments

of Attachment Posted

	Author	attachments
0	Jakelera [Turtle Team Six]#6365	591
1	Ludaflex#6429	318
2	Deadpool96#5625	270
3	DARTH_TRADER#8079	217
4	BrSteveDrule (dank)#9434	186
5	DieOn#3360	148
6	cs_g4wd_3.0#6559	129
7	YEET#4049	103
8	candiceannthomas#4933	91
9	Pablex#2543	89
0	other	458

The number of attachments for the top users. This includes any articles, images, or tweets posted. Comparing the list from the most frequent users there is a strong correlation especially with the top 5 users. The table accounts for the total number of attachment posted and a pie chart below for percentage viewing split.
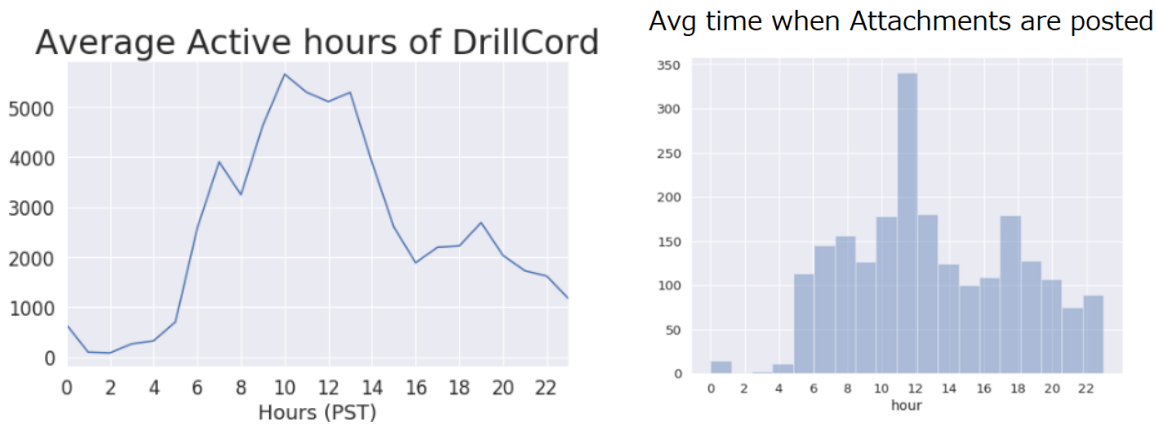

User Attachments %

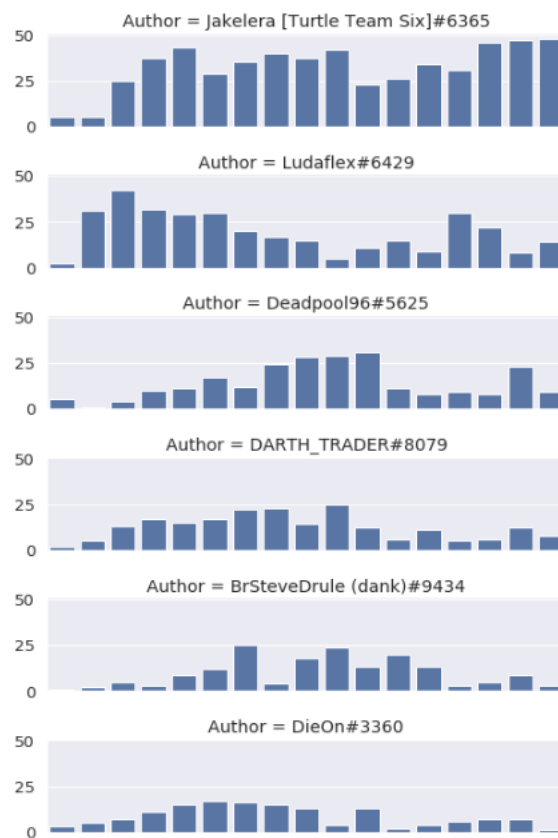# Content Sources

Content sources

Content sources from attachments posted. While the majority of the attachment are others such as from various article sites almost a quarter of it is from reddit. A good percentage of the source is from twitter and youtube while the rest are trading news sites such as CNBC or investing.com. The splits on this chart could indicate the trading frequency of the server.
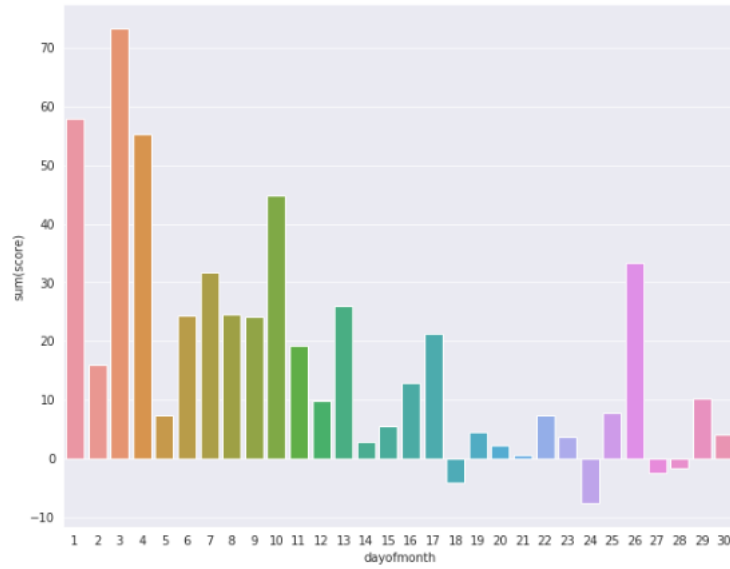
Active hours

Average active hours of the server based on timestamps of all the post (left), and average hour of when attachments are posted (right) in PST. Market hours are from 6:30 am to 1 pm PST. The most active time appears to be around 10 am to 2 pm during the second half the market and after market close. After that activity sharply declines as expected, the hours indicates the server is still actively trading. The chart below display the average time of post attachments from the top users.
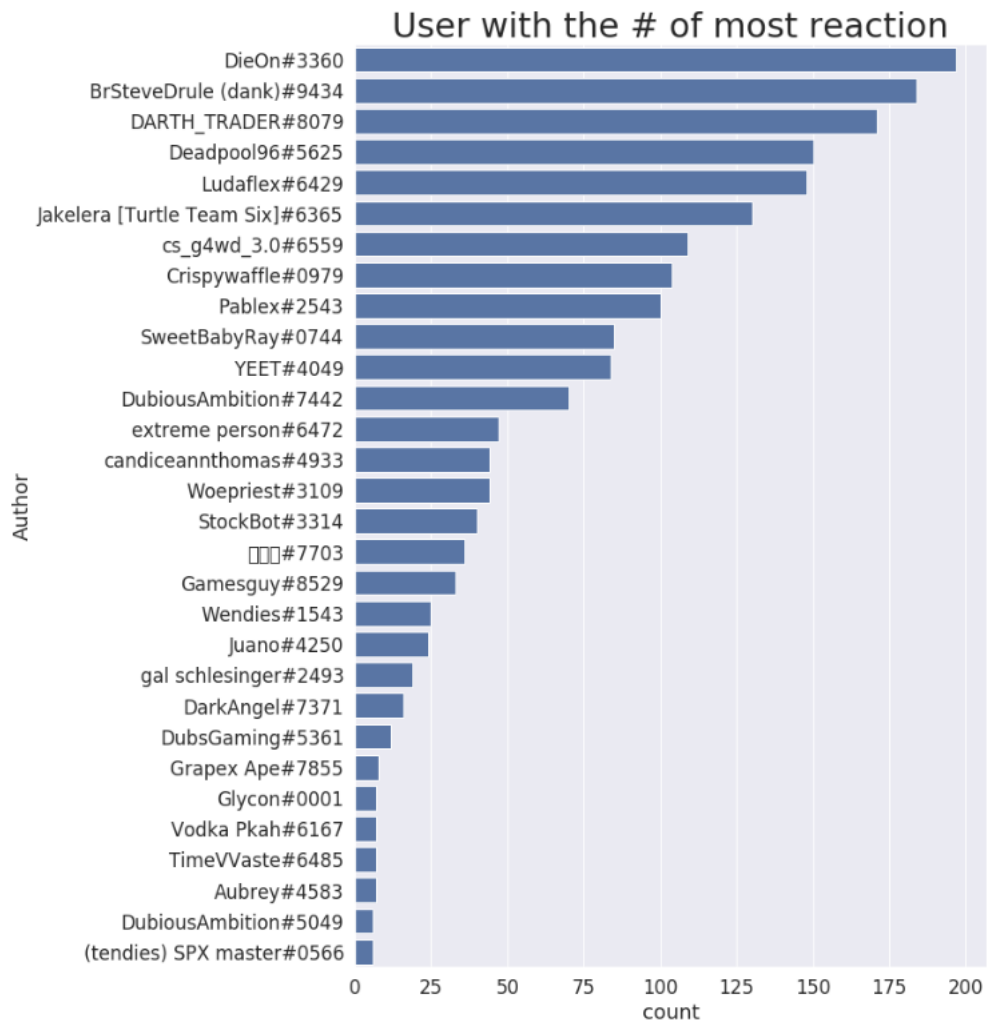

Avg attachment posting time of the top posters.

Reaction and Sentiment

The vertical bar plot shows the average server sentiment of a particular day in the month. The server overall has positive sentiment possibly indicating successful trades or users are just generally not negative. For the horizontal bar plot the number of reaction emote by user is shown. The top users in the plot again correlates with the most active users.
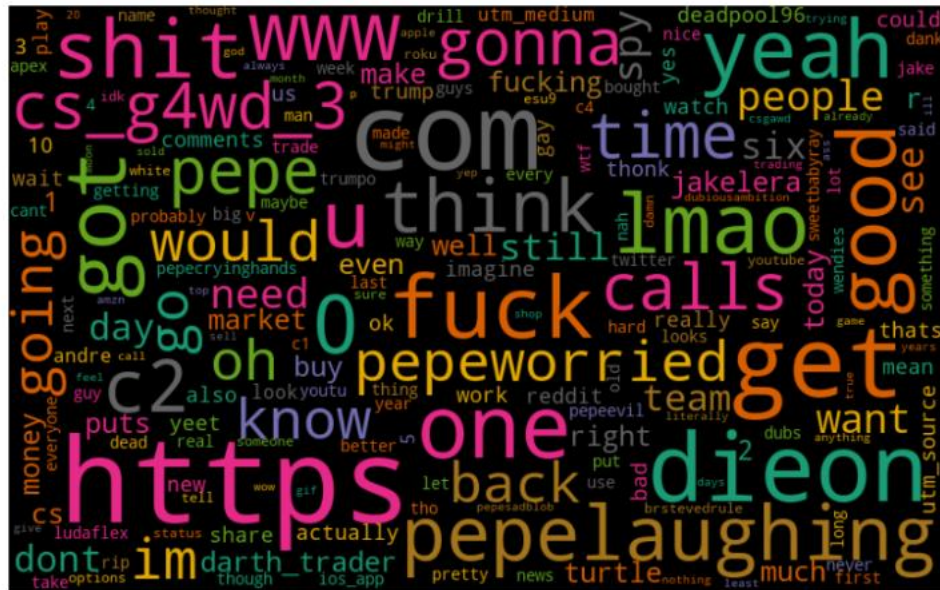
Avg sentiment throughout the month.

Number of reaction emote from user.
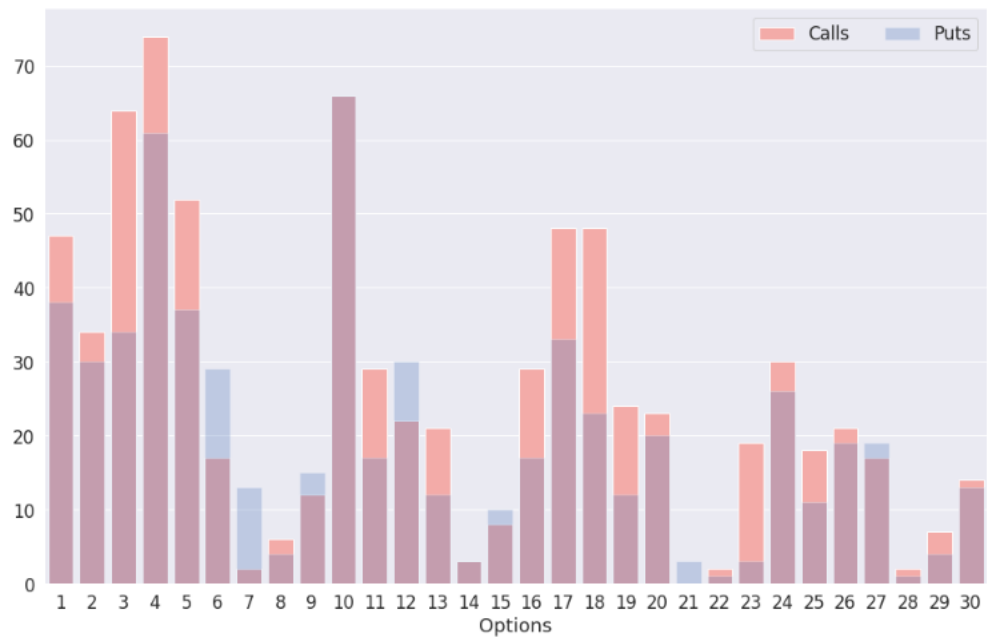
2) Word Processing

Word Cloud

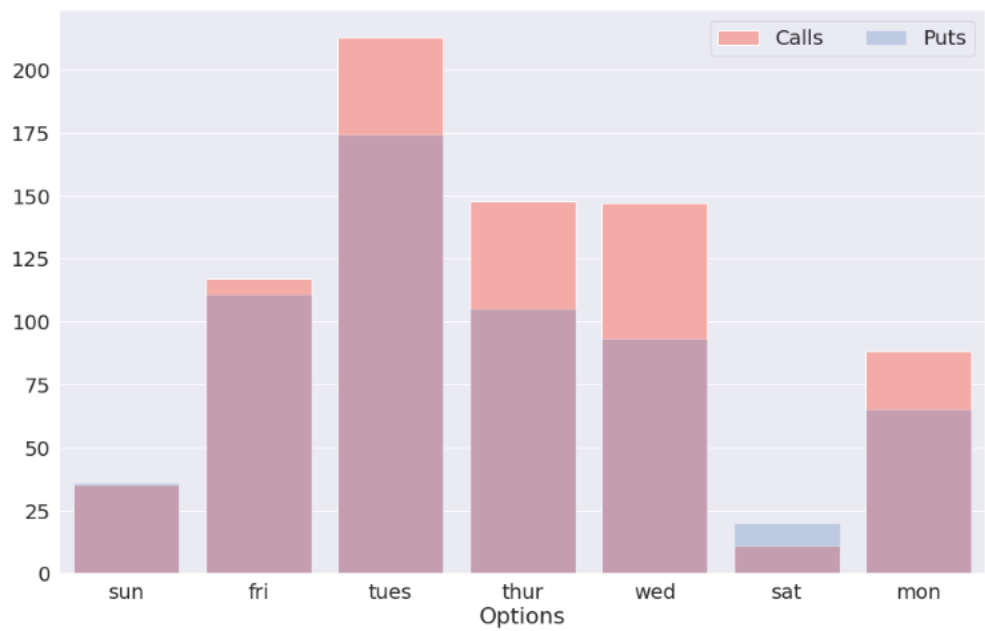Word Cloud for the whole server.

Word Cloud from the top 20 users.
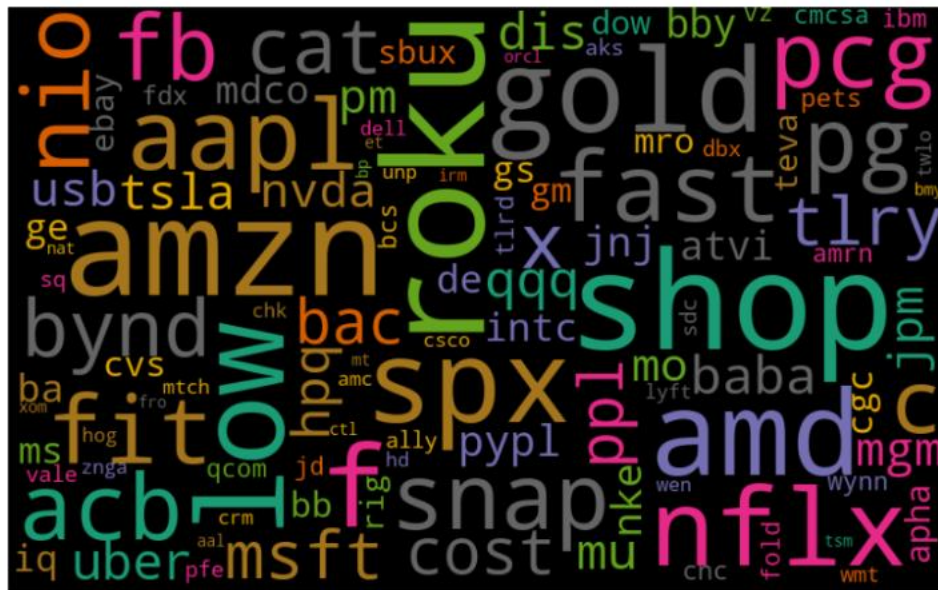
Puts and Calls frequency

Frequency of Puts and Calls.

Avg Puts and Calls

Puts and Calls frequency per day of the month. These number should not represent the number of contracts traded since they are based on text from the user when they mentioned calls or puts. This rather should be a general estimation of contracts bought. At no point in time did any users mentioned when to sell these contracts and it should be assumed these are either day trades or next day sell off. Most active trades occurs on Tuesday it seems.

Stock Ticker

Word Cloud of the most mentioned stock tickers in the server.

	_1	_2
0	spy	518
1	v	206
2	roku	178
3	shop	159
4	amzn	153
5	low	96
6	amd	89
7	gold	87
8	spx	85
9	f	77
10	nflx	65
11	aapl	45
12	fast	42
13	fit	39
14	pcg	39
15	nio	39
16	snap	38
17	acb	38
18	pg	37
19	fb	36

Table of the top stocks tickers mentioned.