



Information for New Investors

Stock Market Information and News

When you are just starting to invest, there are many places to go for stock news, investment tips, market information..

But where do you start? Do you read everything? Is there a difference between subreddits?

Should you read r/Stocks or r/Investing or both?

Comparing Subreddits

r/Stocks

- "Any post related to stocks"
- Stock suggestions
- Trading strategies
- Options strategies
- Lots of questions

r/Investing

- No description whatsoever
- Similar to r/Stocks
- ETFs, brokers, commodities, etc





Title Words

r/Investing



You have to hold 3 (and only 3) stocks for the next 20 years. Which do you choose and why?
Posted by u/RednRich 10 hours ago

88 Comments Give Award Share Save Hide Report



Powell testimony day 2 - Says U.S. economy was hit by 'confidence shock', has only partly recovered. Wants expansion to carry on as long as possible.

Posted by u/ShaidarHaran2 7 hours ago

2 Comments Give Award Share Save Hide Report



SoftBank- what the hell is going on?

Posted by u/tw00185p 11 hours ago

18 Comments Give Award Share



S&P 500 Index officially hits 3000

Posted by u/pikindaguy 1 day ago

317 Comments Give Award Share

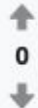
r/Stocks



Question **Question about dividends : What am I doing wrong?**

Posted by u/MrDreamos 1 day ago

2 Comments Give Award Share Save Hide Report



Resources **How do you interpret a Zacks Rank change?**

Posted by u/Gundament 1 day ago

1 Comment Give Award Share



Ticker Discussion **Why does Chipotle have such an insane valuation?**

Posted by u/wesred 2 days ago

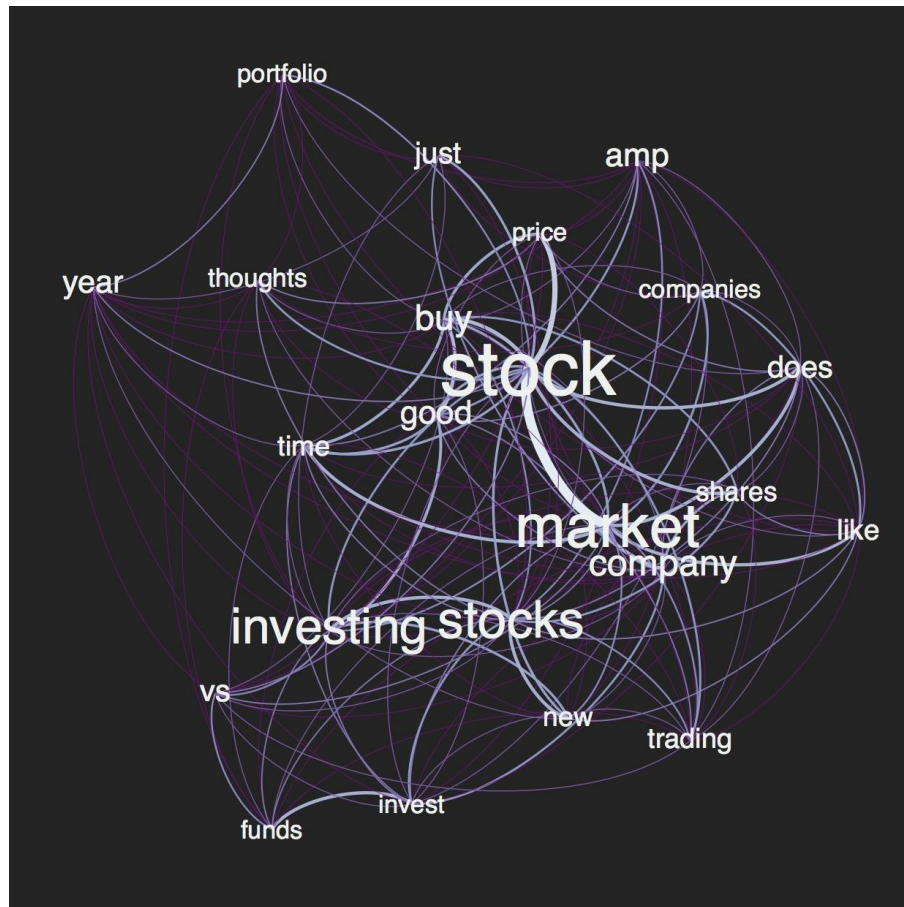
74 Comments Give Award Share Save Hide Report

Network Graph

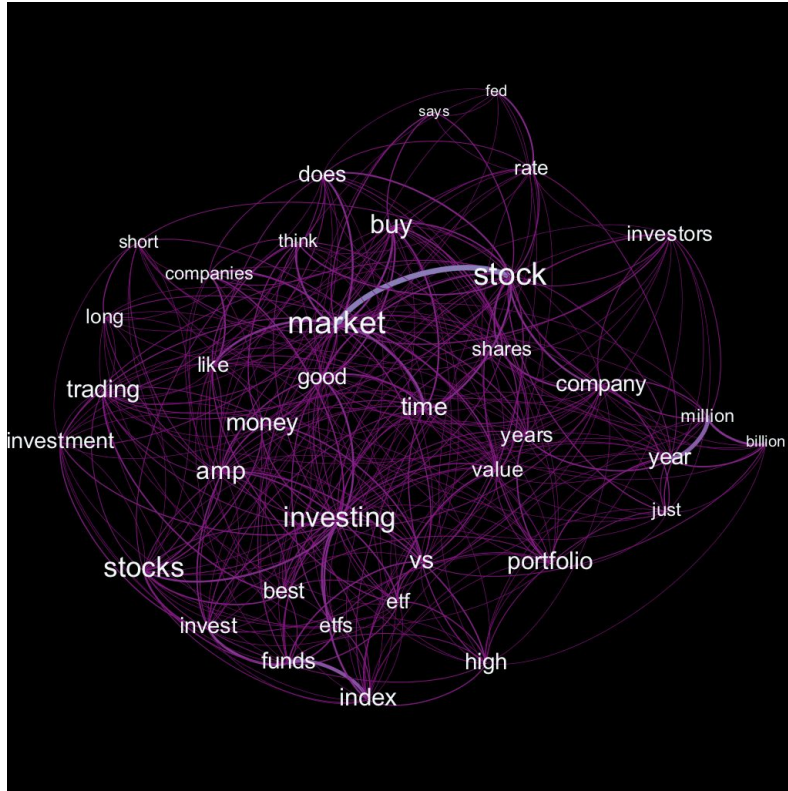
An analysis of the co-occurrence of words from the subreddits.

The lines represent the co-occurrence of words in the dataset.

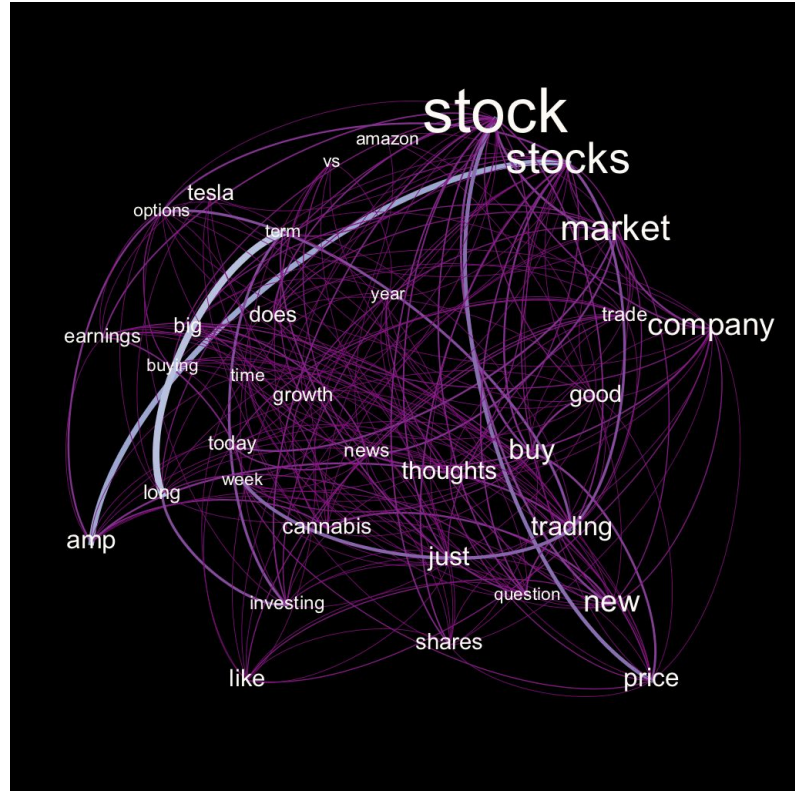
The size of the text represents the amount of times word is seen in dataset.



r/Investing



r/Stocks



Most frequent words

Total of 1,687 posts

1,784 words from r/Stocks

2,272 words from r/Investing

Total frequency 9,397

An overlap in stock and stocks

People seeking for advice and insight of others

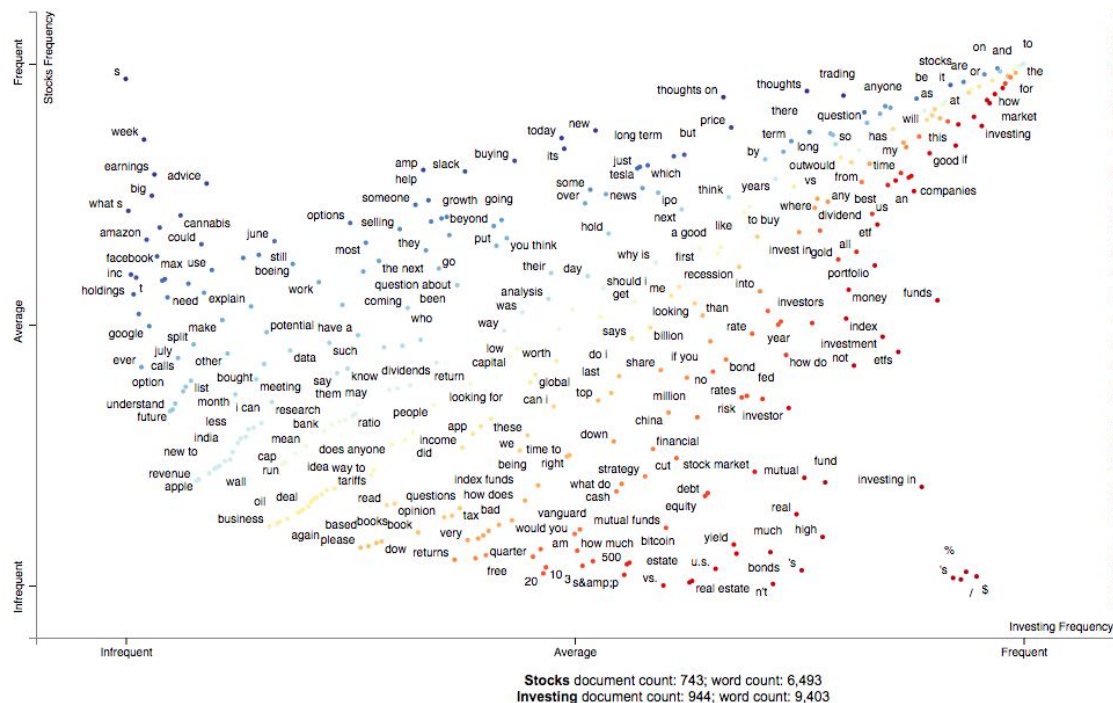
r/Stocks	Frequency	r/Investing	Frequency
stock	85	market	81
stocks	82	stock	79
thoughts	39	investing	74
trading	35	stocks	55
buy	28	advice	49

Scatter Text

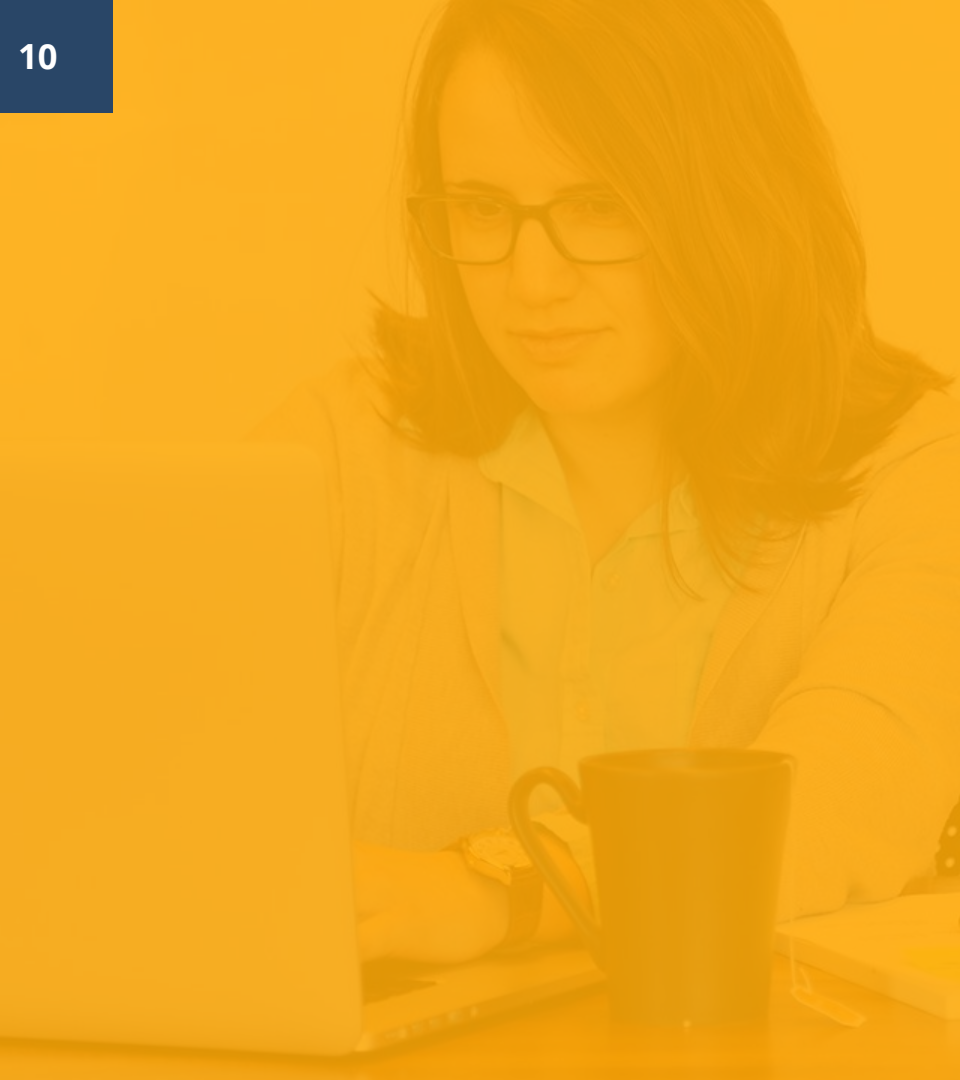
The relationship between terms in the subreddits

Top terms for both subreddits

Topics discussed in the subreddits



Top Stocks	Characteristic
s	bynd
thoughts	bitcoin
thoughts on	facebook
week	shorting
trading	etf
earnings	etfs
new	tesla
today	recession
what s	slack
its	ipo
big	dividend
advice	investing
amp	stocks
price	cannabis
	trump
Top Investing	
invest	
\$	vanguard
%	boeing
/	dividends
's	tariffs
investing in	fed
funds	amp
investing	investors
etfs	dow
's	thoughts
investment	mutual
high	shares
fund	trading
market	portfolio
n't	yield



The Model

The purpose of the model is to help new investors decide if there is a large enough difference between topics discussed to warrant reading both subs

Baseline	0 (r/Stocks) = 44.04	1 (r/Investing) = 55.95
Test Data Scores	CountVectorize	TF-IDF
Logistic regression	63.51	62.56
Multinomial Bayes	63.51	64.22
Decision Trees	60.19	59.72
Bagging	61.61	60.19

Confusion Matrix

Specificity: 38.17

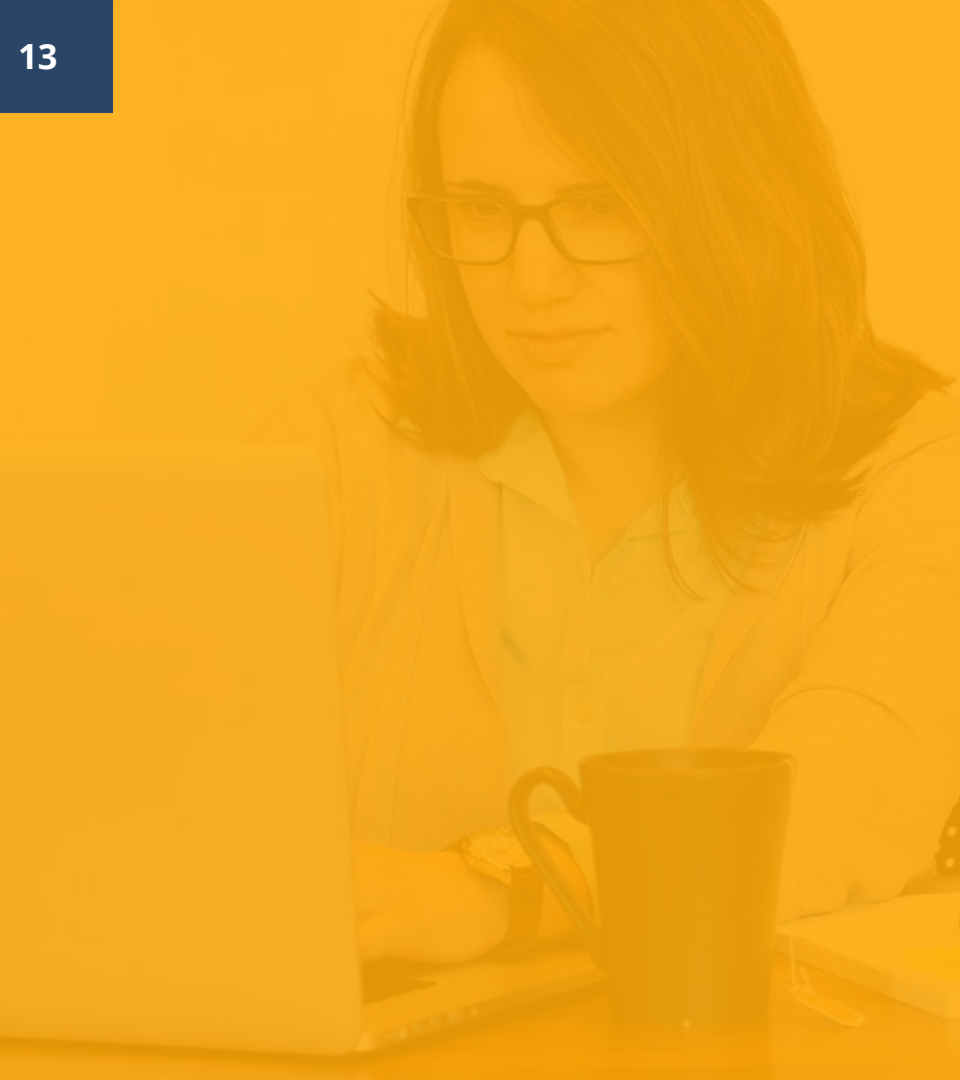
Sensitivity: 84.75

Accuracy: 64.22

More sensitive than specific, better
at predicting r/Investing posts

Multinomial Bayes TF IDF

	Actual Stocks	Actual Investing
Predicted Stocks	71	115
Predicted Investing	36	200



Next Steps

So... which one do you read?

Scores:

Accuracy score between models were similar, not much better than baseline.

Model cannot accurately separate posts based on title alone.

Topics discussed in both subreddits are very similar, pick your poison!

Limitations:

Only inspected titles, no context or commentary

Missing breadth of conversation

Not enough testing of different parameters, model too slow

CNBC REALTIME

(INTC)

INTEL

43.03

-2.24

[-4.94%]

(AMD)

ADVANCED MICRO

12.21

+0.66

[+5.67%]

(NVDA)

NVIDIA

214.02

+1.55

[+0.73%]

(MU)

MICRON TECH.

45.68

+0.70

[+1.56%]