HedgeChatter Overview   2017

A New Path to **Financial** Insight

Social Media Stock Sentiment Data for the US Markets

Idea Generation | Confidence | Risk Mitigation | Manipulation Detection

## A Leading Pioneer in the **Social Media Stock Sentiment** Analytics Space.

HedgeChatter is a SaaS platform which processes social conversations relating to 7,600+ US Equities to identify stock and market moves before they move. Utilizing sophisticated technology, HedgeChatter identifies social sentiment on both equities and the market utilizing NLP/Machine Learning on both messages and their authors to uncover opportunities ahead of the markets.

"Traders need to understand who's influencing the market, when stocks are about to move, and the volume behind this move. HedgeChatter provides a deep social media analytical intelligence platform to collect and evaluate this data."

An Advanced **Data** Analytics Company with Backgrounds in:

- Leading Tech Development
- DoD Systems Intelligence
- Military Decision Based Algorithms
- Swiss & Spain Hedge Fund Management

- Big Data @NASA
- Big Data @Yahoo
- Big Data @Zynga
- Artificial Intelligence
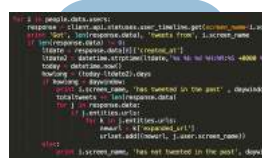
Provide Predictive Based Social Signals & Topic Alerts Ahead of Stock Moves for:

Idea Generation | Confidence | Risk Mitigation | Manipulation

Why are Social Signals & Sentiment Analysis Important Now?

Sentimental Analysis is tightly related to Technical Analysis which is used for momentum trading.

Prior to the advent of 'big-data', Technical Analysis (which gauges the irrational behavior of markets through behavioral financial theory) was only used to trade without knowing the cause of the price movement.

With Sentimental Analysis, we now know how to differentiate financial sentiment news from non-financial news and trade on the same.

This is a huge value to technical traders as they peg their trade to stock movements (triggered by sentiments).
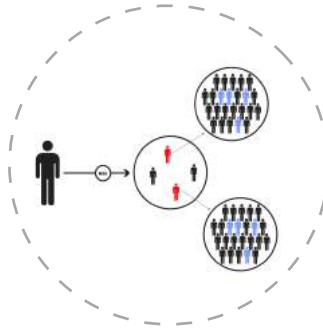
> The most powerful use of social media as seen today by asset managers, equity analysts and high frequency traders, is to help them make trade decisions by analyzing social data streams.

Data Aggregation

Data Processing

Data Analysis

- Aggregate millions of social financial msgs from multiple source streams in real-time.
- Noise Reduction, Ticker/Author Identification, Market and relevant Equity intelligence processed.
- Identification of sentiment, source filtering, market influence, news velocity, social velocity, manipulation detection.
- Adjust for weighted reputation index
- Continuous correlation and mapping of authors indicating buy/sell and respective price increases/decreases.
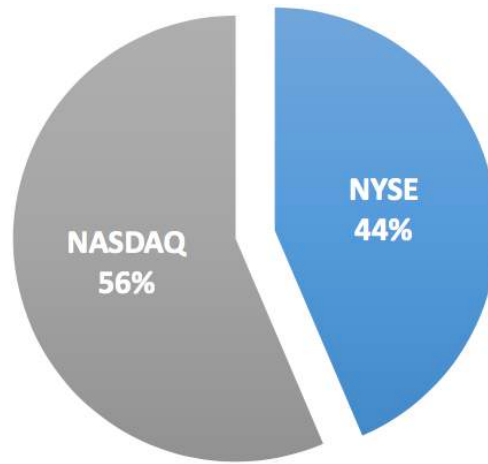
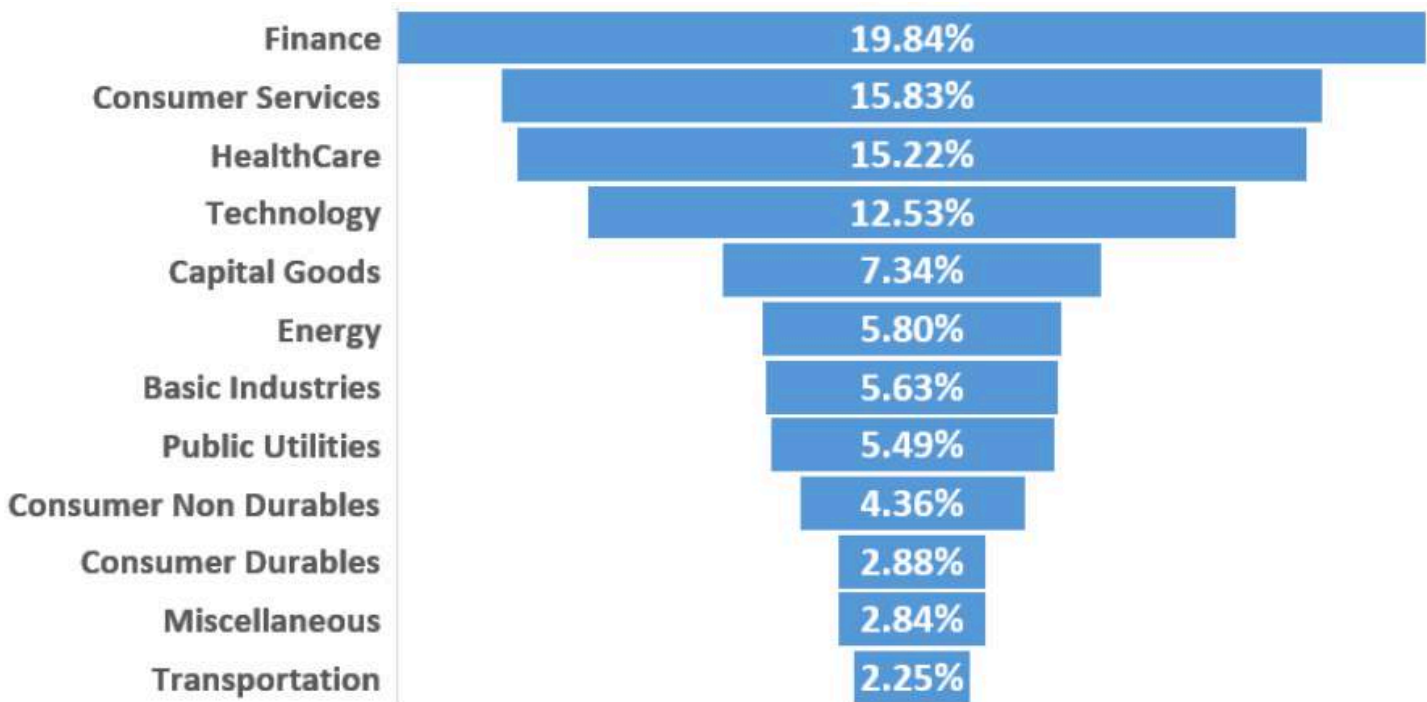Resulting Data Provides **Actionable Market Intelligence** for Identifying:

1. Market Direction
2. Stock Direction
3. Stock Manipulation via Social

Stock Market Breakup

NASDAQ 56%

NYSE 44%

Sector Breakup

Sector	Percentage
Finance	19.84%
Consumer Services	15.83%
HealthCare	15.22%
Technology	12.53%
Capital Goods	7.34%
Energy	5.80%
Basic Industries	5.63%
Public Utilities	5.49%
Consumer Non Durables	4.36%
Consumer Durables	2.88%
Miscellaneous	2.84%
Transportation	2.25%

We deliver detectable **Acceleration/Deceleration** of **Buying & Selling Intent** ahead of *news* and *technical indicators.*
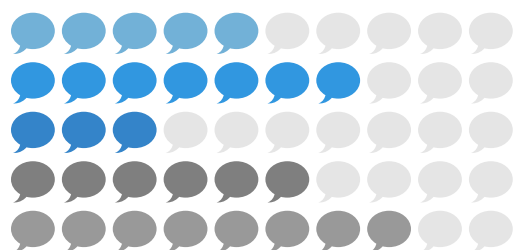
Stocks by Social **Chatter** Volume
Instantly see the most chatted stocks over the past 24hrs and trending now.

Top **Positive/Negative** Sentiment Leaders
See the most positively and negatively chatted stocks Trending Now and over the Past 24 hrs.

Sentiment Analysis
Understand how changes in sentiment affect stock price direction. Compare multiple dates and view the results.

Top Stocks by **Twitter & News Volume**
Learn which stocks have the most news coverage and are most tweeted about by the 95,519 active twitter users. Ranked by tweet & news volume.

Stocks by **Sentiment** Volume
View stocks ranked by sentiment volume (Strong Buy, Buy, Hold, Sell, Strong Sell)

Accelerating **Positive/Negative** Sentiment
View stocks with rapid acceleration in overall Positive & Negative Social Media Stock Sentiment.

Manipulation Analysis
Instantly view # of Validated Chatter msgs Vs. # of Spam/Deception msgs. Avoid manipulation hype and focus on true market direction.
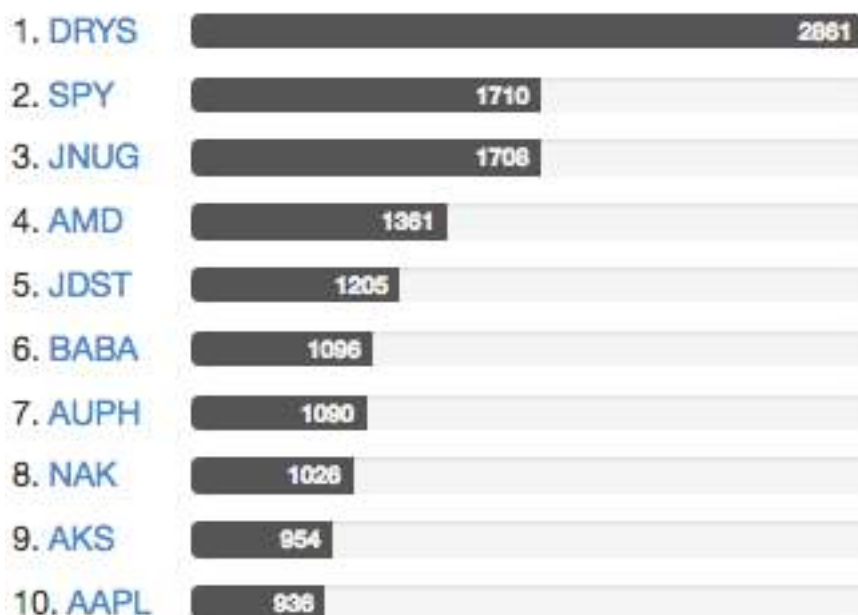
Spikes in Tweets & News Coverage
Know which stocks are currently accelerating with massive amounts of global tweets and news coverage.

Stocks by Social **Chatter** Volume

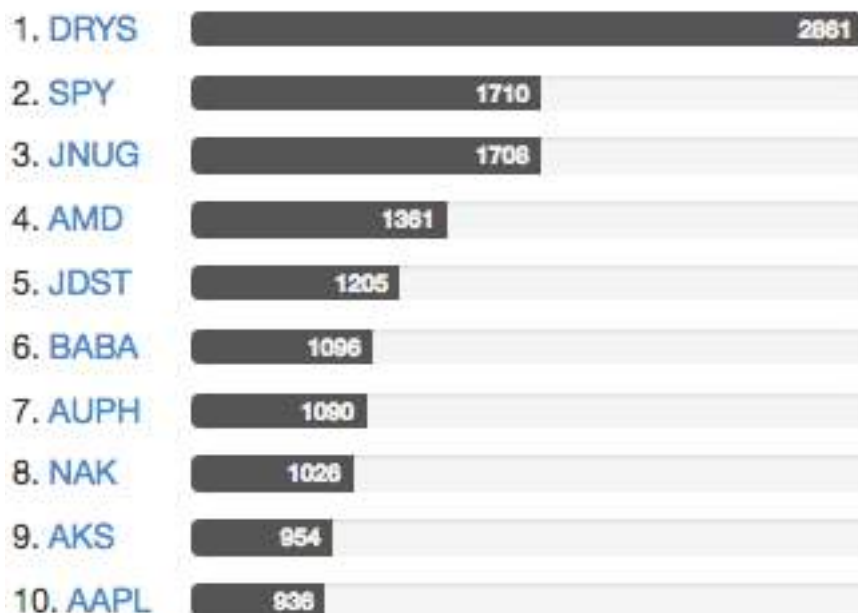Instantly see the most chatted stocks over the past 24hrs and trending now.

Top Stocks by Social Chatter Volume

Rank	Stock	Value
1.	DRYS	2861
2.	SPY	1710
3.	JNUG	1708
4.	AMD	1361
5.	JDST	1205
6.	BABA	1096
7.	AUPH	1090
8.	NAK	1026
9.	AKS	954
10.	AAPL	936

Stocks by **Sentiment** Volume

View stocks ranked by sentiment volume (Strong Buy, Buy, Hold, Sell, Strong Sell)

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Top **Positive/Negative** Sentiment Leaders
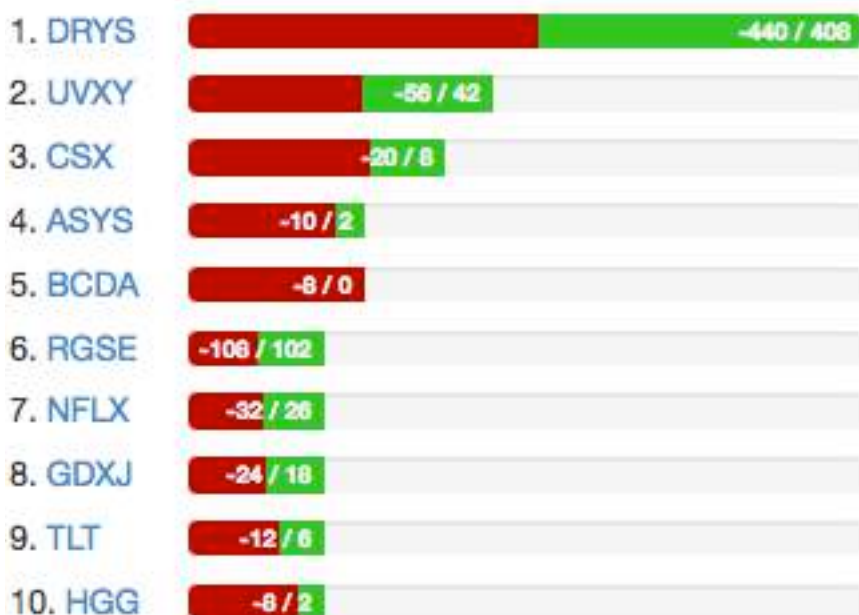
See the most positively and negatively chatted stocks
Trending Now and over the Past 24 hrs.

Today's Top Positive Sentiment Leaders

1. AMD		372 / -20
2. MSTX		354 / -20
3. JNUG		396 / -136
4. SGYP		258 / -10
5. PULM		290 / -60
6. AUPH		226 / -22
7. NAK		220 / -22
8. ETRM		220 / -22
9. SPHS		194 / -8
10. JDST		260 / -78

Today's Top Negative Sentiment Leaders

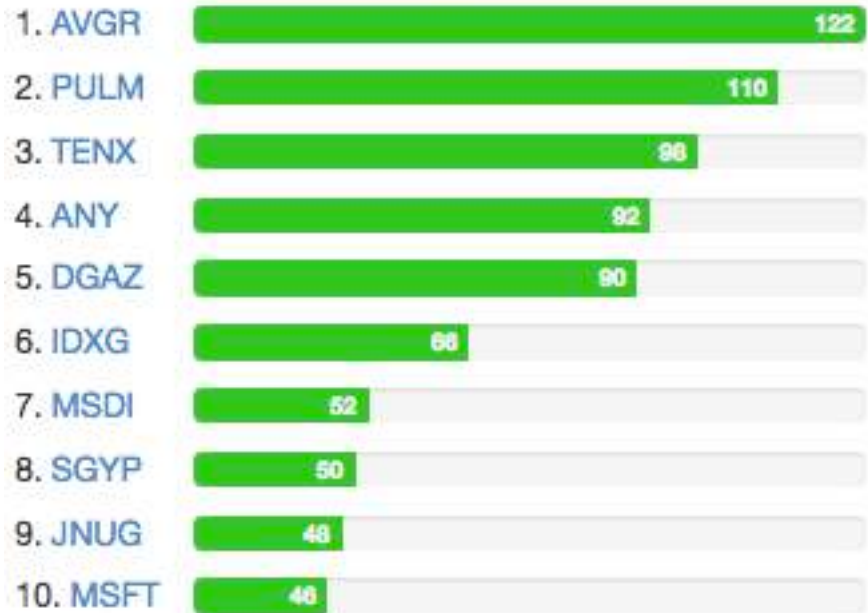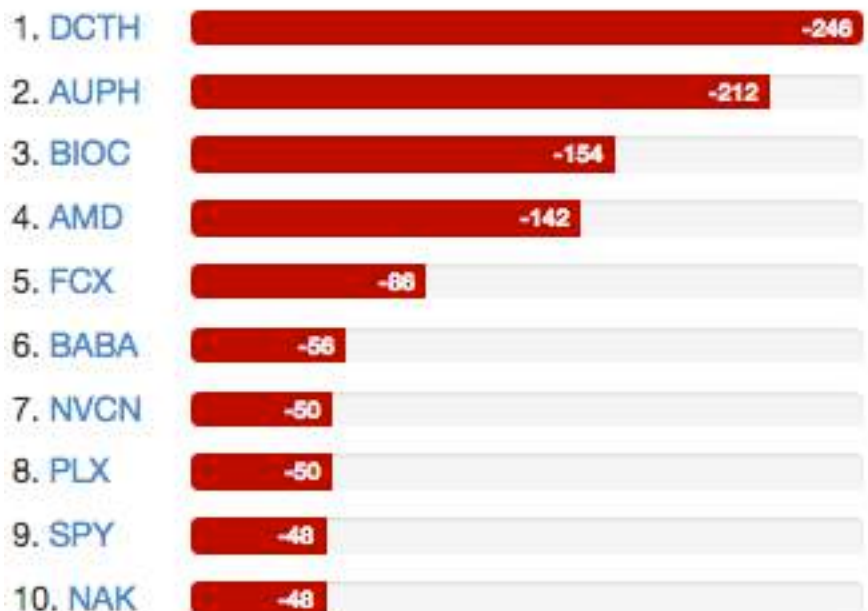|		
1. DRYS		-440 / 408
2. UVXY		-56 / 42
3. CSX		-20 / 8
4. ASYS		-10 / 2
5. BCDA		-6 / 0
6. RGSE		-106 / 102
7. NFLX		-32 / 26
8. GDXJ		-24 / 18
9. TLT		-12 / 6
10. HGG		-6 / 2

Accelerating **Positive/Negative** Sentiment

View stocks with rapid acceleration in overall Positive & Negative Social Media Stock Sentiment.

Stocks w/Accelerating Positive Sentiment

#	Symbol	Value
1.	AVGR	122
2.	PULM	110
3.	TENX	98
4.	ANY	92
5.	DGAZ	90
6.	IDXG	66
7.	MSDI	52
8.	SGYP	50
9.	JNUG	48
10.	MSFT	46

Stocks w/Accelerating Negative Sentiment

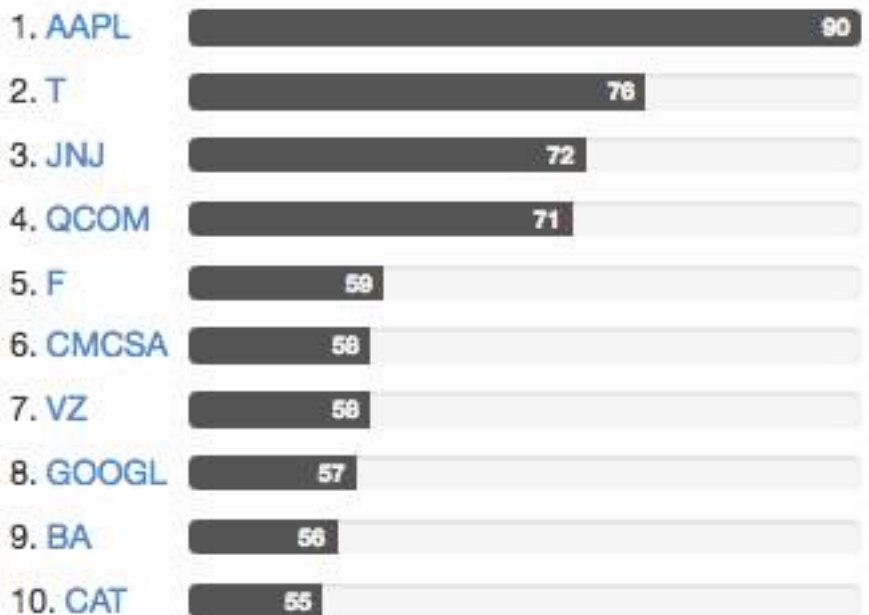| #	Symbol	Value
1.	DCTH	-246
2.	AUPH	-212
3.	BIOC	-154
4.	AMD	-142
5.	FCX	-66
6.	BABA	-56
7.	NVCN	-50
8.	PLX	-50
9.	SPY	-48
10.	NAK	-48

Top Stocks by **Twitter & News Volume**

Learn which stocks have the most news coverage and are most tweeted about by the 95,519 active twitter users. Ranked by tweet & news volume.

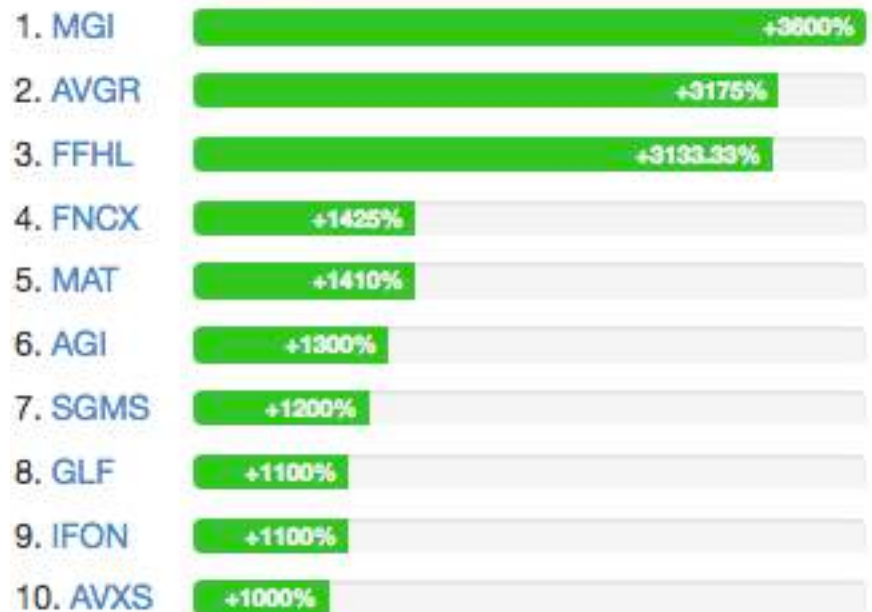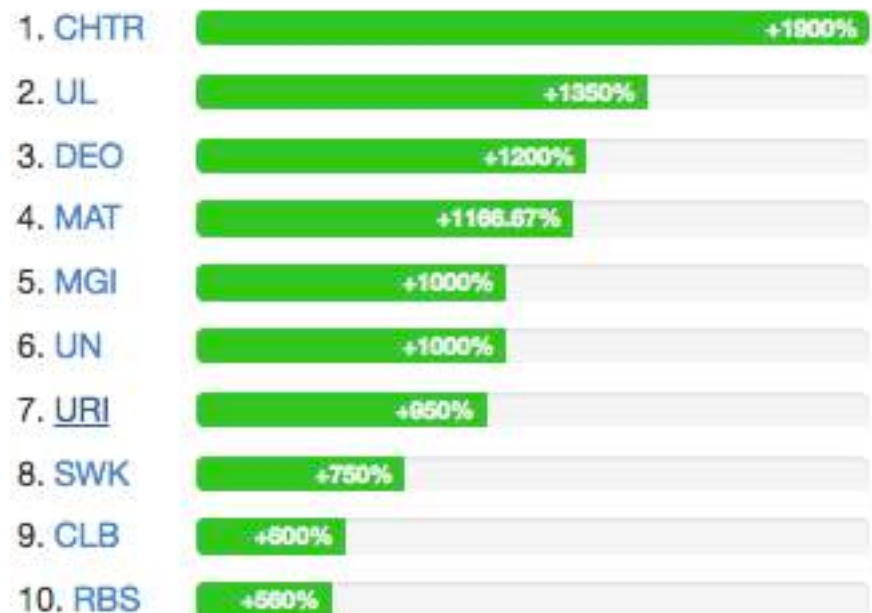### Top Stocks by Tweet Volume

Rank	Stock	Volume
1.	IGN	332
2.	CAT	174
3.	EBAY	159
4.	MSFT	146
5.	BMY	145
6.	MAT	141
7.	PULM	138
8.	AVGR	127
9.	GOOGL	122
10.	JNJ	120
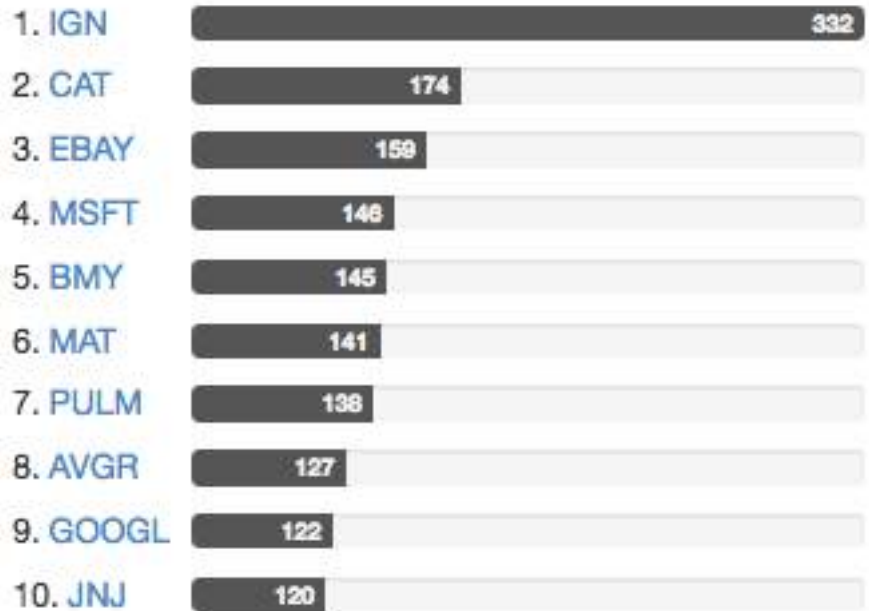
Top Stocks by News Volume

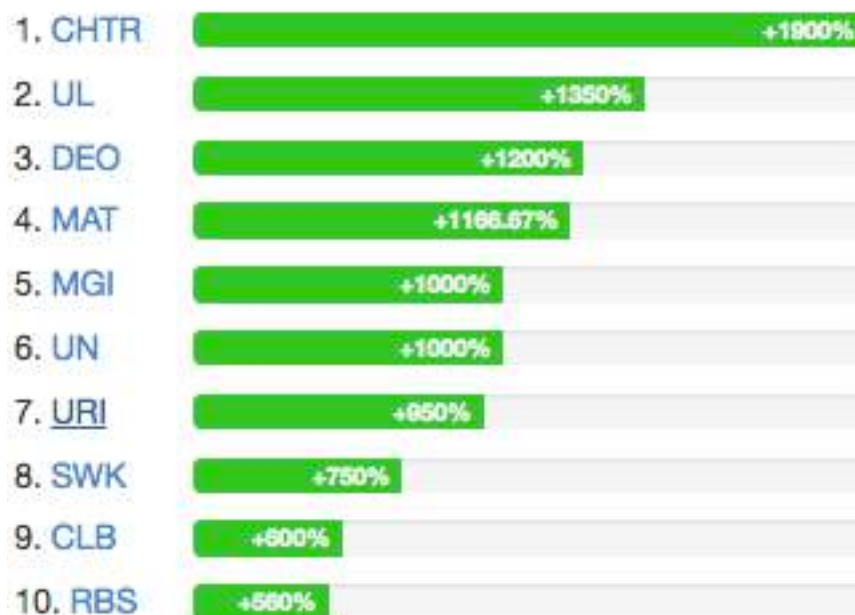| Rank	Stock	Volume
1.	AAPL	90
2.	T	76
3.	JNJ	72
4.	QCOM	71
5.	F	59
6.	CMCSA	58
7.	VZ	58
8.	GOOGL	57
9.	BA	56
10.	CAT	55

Spikes in Tweets & News Coverage

Know which stocks are currently accelerating with significant amounts of global tweets and news coverage. before the media discovers it.

Stocks with Spike in Tweets

1. MGI		+3600%
2. AVGR		+3175%
3. FFHL		+3133.33%
4. FNCX	+1425%	
5. MAT	+1410%	
6. AGI	+1300%	
7. SGMS	+1200%	
8. GLF	+1100%	
9. IFON	+1100%	
10. AVXS	+1000%	

Stocks with Spike in Coverage

1. CHTR		+1900%
2. UL		+1350%
3. DEO		+1200%
4. MAT		+1166.67%
5. MGI	+1000%	
6. UN	+1000%	
7. URI	+950%	
8. SWK	+750%	
9. CLB	+600%	
10. RBS	+550%	

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3.	DEO	+1200%
4.	MAT	+1166.67%
5.	MGI	+1000%
6.	UN	+1000%
7.	URI	+950%
8.	SWK	+750%
9.	CLB	+600%
10.	RBS	+550%

Sentiment Analysis

Understand how changes in sentiment affect stock price direction. Compare multiple dates and view the results.

Breakdown of Intraday Sentiment in Real-Time. The next day will display previous days summary as a snap shot averaging it's 24 hour period.

Social Sentiment (1/20/2017)

- Strong Buy: 72%
- Buy: 0%
- Hold: 0%
- Sell: 0%
- Strong Sell: 28%

Show Real-Time | $170.55

Sentiment Analysis   Manipulation Index

91 Days Ago 28 Oct 2016	Hover Date 22 Dec 2016	Today's Date 26 Jan 2017
	Strong Buy 100%	
55 Day Chg	36 Day Chg	
Price = $151.24	*Chg* = $16.00 (10%) Price = $167.06	*Chg* = $12.00 (7%) Price = $178.66

Hover over price chart gives sentiment changes between zoom defined timeline.

Price change is shown between mouse hover.

Performance Analysis of Previous Alert

TSLA Tuesday Dec 13th, 2016 (1am EST)

1. Upside Momentum Alert is Generated (Long Indicator)
2. TSLA **Opens 12/13/2016 @ $193.18**
3. Social Sentiment = Strong Buy 82%
4. 20 Trading Days Later on January 9th, 2106
5. TSLA **Closes 01/09/2017 @ $231.28**

Result: Price Increase of **+19.72%**

ETRM Thursday Jan 5th, 2017 (1am EST)

1. Upside Momentum Alert is Generated (Long Indicator ETRM)
2. ETRM **Opens 01/05/2017 @ $2.50**
3. Social Sentiment = Strong Buy 88%
4. 4 Trading Days Later on January 10th, 2106
5. ETRM **Closes 01/09/2017 @ $27.70**

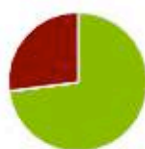Result: Price Increase of **+1008%**

Globus Maritime Limited (GLBS)

GLBS Friday Jan 13th, 2017 (1am EST)

1. Upside Momentum Alert is Generated (Long Indicator ETRM)
2. GLBS **Opens 01/13/2017 @ $3.00**
3. Social Sentiment = Strong Buy 73%
4. 2 Trading Days Later on January 18th, 2106
5. GLBS **Closes 01/18/2017 @ $6.17**

Result: Price Increase of **+105%**

Converting Social Data

Into Trade Ideas

- Enhance Equity, ETF, and Option trading decisions by analyzing social data patterns.
- Unlike Technical Analysis, Sentiment Analysis is easily understood and can be used by less experienced investors.
- Can be integrated into existing trade platforms and research portals.
- Increases short term trading activity.
- Boost providers platform revenue through additional trades.
- Increase investor confidence with cutting edge tools to harness social data.

HedgeChatter

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