

A New Path to Market Insight

Social Media Stock Sentiment Analysis for the US Markets

Idea Generation | Confidence | Risk Mitigation | Manipulation Detection



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INTRODUCTION

In 2009 the three original Co-Founders came together in Atlanta GA. to begin discussing a potential framework to capture, understand, and correlate, available public information to help understand how different types of internet media were being used to disseminate stock market information. The primary goal was to find individuals or groups who were accurately forecasting stock price direction, potentially influencing stock price direction, and then finding a methodology to one day predict stock price direction.

2011 proved to be a turning point in what would later become the defined existence of Social Media Stock Sentiment as millions of users began flocking to and social media as a primary method of open communication transmitting both thoughts and collaboration every minute.

We continued building and experimenting with advanced algorithms to acquire, identify, classify, and correlate using NLP/TXT Mining/Learning Process Technology.

We launched our first platform, Ver1.0 HedgeChatter BETA, which was the first Social Media Stock Screener. After incorporating feedback from customers we set our sights on building Ver2.0.

Financial firms began to take notice that Social Media has an impact on everything, including finance. We continued building and launched our Ver2.0, The World's Most Advanced Social Media Stock Sentiment Analysis dashboard!

Today HedgeChatter has cemented its place in history by being the first tech company invited to open the London Stock Exchange, twice. By utilizing HedgeChatter data, customers are generating 15-30% above the S&P 500 Index.

This guide is intended to provide an overview of the HedgeChatter dashboard so you may get started using this powerful tool for your benefit.

HedgeChatter // Main

Below is the main page which appears after login. The following pages detail how to work with each widget and window inside HedgeChatter.

The screenshot shows the HedgeChatter Main page. At the top left is the HedgeChatter logo. To its right is a search bar with the placeholder text "Enter symbol or company name" and a "Search" button. Further right are navigation links: "Main", "Portfolio", "Watchlist", "Premium Features", "Help", and "Support".

On the left side, there are two tables: "Watchlist" and "Portfolio".

Stock	Price	% Chg
HIMX	9.29	1.09

Stock	Price	% Chg
ACAD	32.36	-0.15
CSCO	32.96	-0.36
HTGM	6.51	-10.08

Below these tables are four links to sentiment views: "View AAPL Sentiment", "View GOOG Sentiment", "View FB Sentiment", and "View TSLA Sentiment". Each link is accompanied by a small thumbnail image of the sentiment analysis dashboard.

The main content area is titled "HedgeChatter Main" and features five sections, each with a computer monitor icon:

- Advanced Access: Stocks Trending (Past 24hrs)**
 - Accelerating Positive & Negative Sentiment
 - News Volume & Spikes in News Coverage
 - Tweet Volume Leaders & Spikes in Tweet Volume

Buttons: View Trending Past 24hrs, More Info?
- Advanced Access: Stocks Trending (Real-Time)**
 - Top Stocks by Social Chatter & Sentiment Volume
 - Top Positive & Negative Sentiment Leaders
 - Accelerating Positive & Negative Sentiment

Buttons: View Trending Real Time, More Info?
- Professional Access: All Social Alerts (Real-Time)**
 - Access All Social Alerts
 - View Latest Alerts Across All Stocks
 - View Sentiment Alerts & Returns

Buttons: View All Alerts, More Info?
- Market Outlook**
 - View Social Sentiment on Market Stability
 - View Downside Risk Alerts Before Market Pull Back
 - Enhance Risk Mitigation

Buttons: View Market Outlook, More Info?
- Getting Started**
 - How HedgeChatter Works
 - How to Incorporate HedgeChatter into your Trades
 - Social Sentiment Ratings: Strong Buy, Buy, Hold, Sell, Strong Sell

Button: View Getting Started

On the right side, there is an "Alert Manager" section with a table:

Alert Type	Count
Portfolio Alerts	150
Watchlist Alerts	46
All Alerts	31035

HedgeChatter // Main / WatchList & Portfolio Widget

The **Watchlist** and **Portfolio** each offer a widget to track the stocks a customer is watching.

Watchlist		
Symbol		Add
Stock	Price	% Chg
HIMX	9.19	2
HUM	212.60	1.2
NVAX	0.90	-12.54
SHLD	11.65	2.28

Portfolio		
Symbol		Add
Stock	Price	% Chg
ACAD	32.41	-0.8
HTGM	7.24	31.64

1) **To add a stock** to either list simply begin typing the name of the company the ticker in the symbol box and click it when the correct ticker appear.

Portfolio		
Symbol		Add
Stock	Price	% Chg
tsla		
TSLA - Tesla, Inc.		
ACAD	32.41	-0.8
CSCO	33.08	0.24
HTGM	7.24	31.64

or

Portfolio			
Symbol		Add	
Stock	Price	% Chg	
ACAD	32.41	-0.8	
CSCO	33.08	0.24	
HTGM	7.24	31.64	X

2) **To remove a stock** from either list simply hover your mouse over the ticker symbol and a grey "x" will appear. Click the grey "x" and the ticker will be removed.

HedgeChatter // Main / WatchList & Portfolio Window

By clicking on the word **Watchlist** or **Portfolio**, in either the widget or at the top menu bar, the corresponding window will appear listing the tickers, alerts, sentiment, price, and a news widget for each ticker.

Watchlist - Past 24hours

Stock	Last Price	% Change	Alerts	S Buy	Buy	Hold	Sell	S Sell
Search	Search	Search	Search	Search	Search	Search	Search	Search
HIMX	\$9.19	2.00%	46	0%	0%	0%	0%	0%
HUM	\$212.60	1.20%	7	0%	0%	0%	0%	0%
NVAX	\$0.90	-12.54%	68	0%	0%	0%	0%	0%
SHLD	\$11.65	2.28%	74	41.67%	0%	0%	0%	58.33%

Rows 1-4 of 4

« 1 2 3 4 5 » Rows ▲

Watchlist Alerts - Quick Summary

[\(View Full Detail on Alerts Page\)](#)

Date	Stock	Type	Price	1DR	5DR	10DR	20DR
Search	Search	sort by alert type ▼	Search	Search	Search	Search	Search
2017-04-06	NVAX	Upside Momentum	\$0.90	-0.54%	-1.16%	-1.57%	-1.24%
2017-04-06	NVAX	Significant Event Spike in Sentiment	\$0.90	4.95%	9.32%	12.11%	16.32%
2017-04-06	NVAX	Significant Event Spike in Sentiment	\$0.90	4.95%	9.32%	12.11%	16.32%
2017-03-31	HIMX	Significant Event Spike in Sentiment	\$9.17	1.64%	9.32%	12.11%	16.32%
2017-03-25	HIMX	Significant Event Spike in Sentiment	\$9.44	0.11%	2.86%	12.11%	16.32%
2017-03-23	SHLD	Significant Event Spike in Sentiment	\$8.19	3.79%	43.47%	42.25%	16.32%
2017-03-22	SHLD	Downside Risk	\$7.98	-2.63%	-44.11%	-42.73%	-2.73%
2017-03-22	SHLD	Downside Risk	\$8.19	-3.79%	-43.47%	-42.25%	-2.73%
2017-03-18	HIMX	Significant Event Spike in Sentiment	\$8.85	1.58%	6.67%	3.62%	16.32%
2017-03-13	SHLD	Downside Risk	\$9.22	4.56%	0.43%	-2.28%	-2.73%

Rows 1-10 of 195

« 1 2 3 4 5 » Rows ▲

DR: Day return percentage
Actual Returns: 1.23%
Expected Returns: 1.23%

HIMX News

Himax Technologies History: Everything Investors Need to Know
Apr 2, 2017

Why FMC Corporation, Himax Technologies, and TRC Companies Jumped Today
Mar 31, 2017

Here's Why Himax Technologies, Inc. (ADR) (HIMX) is in the Spotlight
Mar 31, 2017

Cramer's lightning round: This energy play should do well even with low oil prices
Mar 29, 2017

Cramer's lightning round: This energy play should do well even with low oil prices
Mar 29, 2017

HedgeChatter // Main / WatchList & Portfolio Window / Past24hours

Both the **Watchlist-Past 24hours** and **Portfolio-Past24hours** Window will provide the following information:

Watchlist - Past 24hours

Stock	Last Price	% Change	Alerts	S Buy	Buy	Hold	Sell	S Sell
Search	Search	Search	Search	Search	Search	Search	Search	Search
HIMX	\$9.19	2.00%	46	100%	0%	0%	0%	0%
HUM	\$212.60	1.20%	7	0%	0%	0%	0%	0%
NVAX	\$0.90	-12.54%	68	100%	0%	0%	0%	0%
SHLD	\$11.65	2.28%	74	0%	0%	0%	0%	0%

Rows 1-4 of 4

« 1 2 3 4 5 » Rows ▲

*Note: As of August 2016, Buy/Hold/Sell are no longer used. These have been condensed into either Strong Buy or Strong Sell

HedgeChatter // Main / WatchList & Portfolio Window / Watchlist Alerts

Both the **Watchlist Alerts-Quick Summary** and **Portfolio Alerts-Quick Summary** Window will provide the following information:

Watchlist Alerts - Quick Summary
 (View Full Detail on Alerts Page)

Date: The date the Alert was triggered. Alerts are generated at 1:01amEST NY USA / UTC 5:00am

Stock: The Ticker Symbol (Ticker is clickable and will drill down to enhanced information)

Type: By default the view shows all Alerts generated. The dropdown selector allows to screen by Type. There are 4 Alert Types:
 Significant Event Spike in Sentiment Significant Event Spike in Chatter
 Upside Momentum Downside Risk
 Details on the Alerts can be found here: [HedgeChatter // Main / All Social Alerts](#)

Price: Last updated equity price

1DR - 20DR: This metric displays the percent change in price from End of Day when Alert was triggered to EOD 1 day, 5 days, 10 days or 20 days after. DR means Day Return. This is the Alerts performance.

Date	Stock	Type	Price	1DR	5DR	10DR	20DR
Search	Search	sort by alert type ▼	Search	Search	Search	Search	Search
2017-03-31	HIMX	Significant Event Spike in Sentime	\$9.17	1.64%	9.31%	12.13%	16.31%
2017-03-25	HIMX	Significant Event Spike in Sentime	\$9.44	0.11%	2.86%	12.13%	16.31%

Black % indicate actual change

Grey % are placeholders

HedgeChatter // Main / WatchList & Portfolio Window / Watchlist Alerts

continued...

Both the **Watchlist Alerts-Quick Summary** and **Portfolio Alerts-Quick Summary** Window provide historical details of the Alerts and their performance:

The (View Full Detail) link will open up the full Alerts page which includes Alert performance for an additional 40DR and 60DR

Watchlist Alerts - Quick Summary

(View Full Detail on Alerts Page)

Date	Stock	Type	Price	1DR	5DR	10DR	20DR
Search	Search	sort by alert type	Search	Search	Search	Search	Search
2017-02-11	HIMX	Significant Event Spike in Sentime	\$5.37	12.66%	37.99%	26.26%	47.49%
2017-01-06	HIMX	Significant E		0.16%	4.61%	9.54%	16.78%
2016-12-31	HIMX	Significant E		1.45%	2.41%	8.36%	15.11%
2016-12-15	HIMX	Upside Mon		-0.96%	-5.41%	-3.82%	-7.64%

Rows 1-10 of 46

« 1 2 3 4 5 » Rows ▲

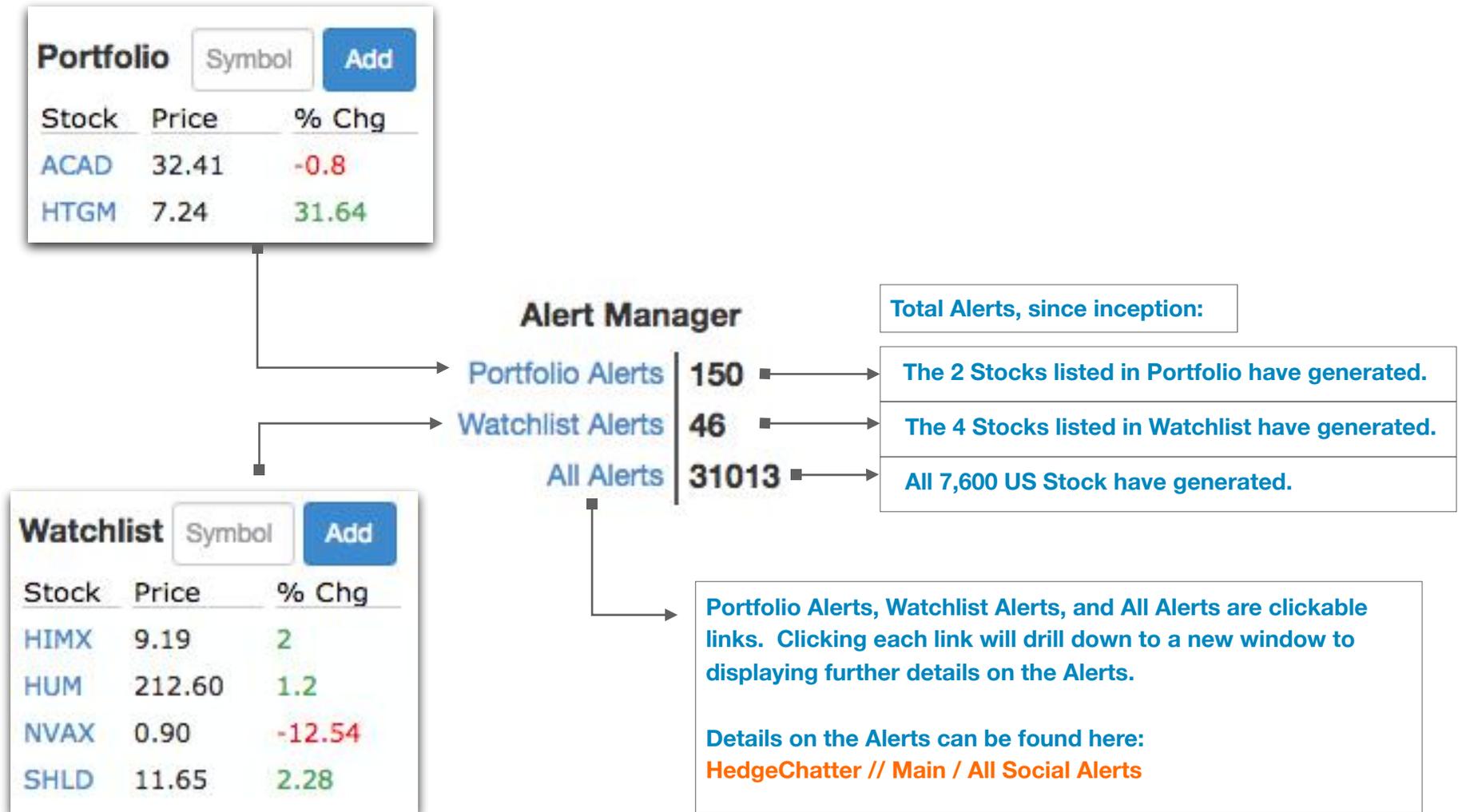
DR: Day return percentage
Actual Returns: 1.23%
Expected Returns: 1.23%

The default Row amount is 10 Rows. This can be expanded up to 100 at a given time.

If 10 Rows are displayed, the page number can be clicked to advance to the next set of 10 rows. Likewise, clicking the >> will advance to the next Row set.

HedgeChatter // Main / Alert Manager Widget

The **Alert Manager** widget displays the total # of Alerts in the customers Portfolio, Watchlist and All Alerts for All Stocks.



HedgeChatter // Main / Stocks Trending

Both the **Stocks Trending (Past 24hrs)** and **Stocks Trending (Real-Time)** provide the same 10 core Social Metrics. The primary difference is **Stocks Trending (Past 24hrs)** shows only the top 3 stocks trending over the past 24 hours where as **Stocks Trending (Real-Time)** shows the top 10 stocks trending, for the same Social Metrics, in real time.

Stocks Trending (Past 24hrs)

[View All Stocks Trending in Real-Time](#)

Top Stocks by Social Chatter Volume



Top Stocks by Social Sentiment Volume



Today's Top Positive Sentiment Leaders



Today's Top Negative Sentiment Leaders



Stocks w/Accelerating Positive Sentiment



Stocks w/Accelerating Negative Sentiment



Top Stocks by News Volume



Stocks with Spike in Coverage



Top Stocks by Tweet Volume



Stocks with Spike in Tweets



HedgeChatter // Main / Stocks Trending

Below are the definitions behind each of the Social Metrics. This applies to both **Stocks Trending (Past 24hrs)** and **Stocks Trending (Real-Time)**. ****IMPORTANT NOTE: The Stocks Trending (Real-Time) window updates every hour.****

Social Metrics:

Top Stocks by Social Chatter Volume

Identifies the stocks with the highest amount of pure chatter volume.

Top Stocks by Social Sentiment Volume

Identifies the stocks with the highest amount of expressed sentiment within the chatter volume.

Today's Top Positive Sentiment Leaders

Identifies the stocks with the highest amount of Positive Sentiment within the chatter volume. (Positive Sentiment = Strong Buy + Buy)

Today's Top Negative Sentiment Leaders

Identifies the stocks with the highest amount of Negative Sentiment within the chatter volume. (Negative Sentiment = Strong Sell + Sell)

Stocks w/Accelerating Positive Sentiment

Identifies the stocks which are having a rapid acceleration of Positive Sentiment Velocity over their past 24hr trailing average.

Stocks w/Accelerating Negative Sentiment

Identifies the stocks which are having a rapid acceleration of Negative Sentiment Velocity over their past 24hr trailing average.

Top Stocks by News Volume

Identifies the stocks with the most mentions in all the news feeds.

Stocks with Spike in Coverage

Identifies the stocks that are experiencing a significant spike in coverage

Top Stocks by Tweet Volume

Identifies the top stocks by pure twitter mentions.

Stocks with Spike in Tweets

Identifies the stocks that are experiencing a significant spike in tweets

HedgeChatter // Main / All Social Alerts

This window allows the customer to screen, view and sort **All Social Alerts** for all 7,600 US stocks.

Social Alert Screener 

Date: The date the Alert was triggered. Alerts are generated at 1:01amEST NY USA / UTC 5:00am

Stock: The Ticker Symbol (Ticker is clickable and will drill down to enhanced information)

Type: By default the view shows all Alerts generated. The dropdown selector allows to screen by Alert Type. There are 4 Alert Types:
 Significant Event Spike in Sentiment Significant Event Spike in Chatter
 Upside Momentum Downside Risk

Price: Last updated equity price

M Cap: Market Cap of the Equity

1DR - 60DR: This metric displays the percent change in price from End of Day when Alert was triggered to EOD 1,5,10,20,40,60 days after. DR means Day Return. This is the Alerts performance.

Date	Stock	Type	Price	M Cap	1DR	5DR	10DR	20DR	40DR	60DR
Search	Search	sort by alert type ▼	Search	Search	Search	Search	Search	Search	Search	Search
2017-04-08	AMAT	Significant Event Spike in Sentime	\$38.93	\$42.04B	4.95%	9.32%	12.12%	16.30%	22.19%	27.30%
2017-04-08	AMRI	Significant Event Spike in Chatter	\$14.34	\$597.09M	5.70%	10.06%	12.76%	16.00%	20.94%	25.33%
2017-04-08	AMRN	Significant Event Spike in Sentime	\$3.15	\$856.99M	4.95%	9.32%	12.12%	16.30%	22.19%	27.30%
2017-04-08	AMZN	Significant Event Spike in Sentime	\$894.88	\$427.01B	4.95%	9.32%	12.12%	16.30%	22.19%	27.30%

Rows 1-10 of 31149

«
1
2
3
4
5
»
Rows ▲

Black % indicate actual change

Grey % are placeholders

DR = Day Return Percentage
 Actual Returns: 1.23%
 Expected Returns: 1.23%

HedgeChatter // Main / All Social Alerts / Alert Types

There are four distinct **Social Alert Types**:

Upside Momentum

When a news event breaks or when a significant amount social users create a **Positive (Strong Buy)** ground swell around a stock, it's quickly identified due to a rapid and fast acceleration in both Positive Chatter and Positive Sentiment indicating a high probability of the stock advancing higher.

This alert is comprised of four metrics:

- 1) Spike in Chatter Velocity
- 2) Spike in Sentiment Velocity indicating a **STRONG BUY**
- 3) Spike in Chatter Volume
- 4) Spike in Sentiment Volume indicating a **STRONG BUY**

Downside Risk

When a news event breaks or when a significant amount social users create a **Negative (Strong Sell)** ground swell around a stock, it's quickly identified due to a rapid and fast acceleration in both Negative Chatter and Negative Sentiment indicating a high probability of the stock moving lower.

This alert is comprised of four metrics:

- 1) Spike in Chatter Velocity
- 2) Spike in Sentiment Velocity indicating a **STRONG SELL**
- 3) Spike in Chatter Volume
- 4) Spike in Sentiment Volume indicating a **STRONG SELL**

HedgeChatter // Main / All Social Alerts / Alert Types

continued..

Significant Event Spike in Chatter

Spike in Chatter alerts indicate a sudden acceleration in chatter regarding a particular stock. This can take place due to a news event, news release, or social users uncovering something important and urgent thus quickly generating a spike in Chatter Volume and Chatter Velocity. This alert is a precursor to either the Upside Momentum or Downside Risk Alerts.

Additional research will need to be done to determine the direction of the stock with this alert. Three areas to explore are 1) Review any news which has recently broke, 2) Review the Sentiment on the Stock itself for both the day of the Alert and previous days, and 3) Review the Manipulation Index to determine if there is a significant amount of manipulation occurring for both the day of and previous two days.

This alert is comprised of two metrics:

- 1) Chatter Velocity
- 2) Chatter Volume

Significant Event Spike in Sentime

Spike in Sentiment alerts indicate a sudden acceleration in sentiment regarding a particular stock. This can take place due to a news event, news release, or social users uncovering something important and urgent thus quickly generating a spike in Sentiment Volume and Sentiment Velocity. This alert is a precursor to either the Upside Momentum or Downside Risk Alerts.

Additional research will need to be done to determine the direction of the stock with this alert. Three areas to explore are 1) Review any news which has recently broke, 2) Review the Sentiment on the Stock itself for both the day of the Alert and previous days, and 3) Review the Manipulation Index to determine if there is a significant amount of manipulation occurring for both the day of and previous two days.

This alert is comprised of two metrics:

- 1) Sentiment Velocity
- 2) Sentiment Volume

HedgeChatter // Main / Market Outlook

HedgeChatter utilizes the Sentiment on the SPDR S&P 500 (SPY) to understand how Bullish or Bearish the market is as a whole. The Market Outlook button will open this view. Likewise, adding or searching for the ticker SPY will also bring up this view.

Clusters of Red, Downside Risk Alerts indicate the market is over cautious and weaker stocks may suffer downward pressure from the negative market.

Clusters of Green, Upside Momentum Alerts indicate the market is in Bull mode and weaker stocks may ride upward pressure from the positive market.

SPDR S&P 500 (SPY) [Add to Watchlist](#) [Add to Portfolio](#)

235.34 \$0.14 (0.06%) Volume: 67,527,992 **Social Sentiment (2/24/2017)** **Chatter Volume** ⓘ

4/10/2017 9:48pm EDT Opening Price: 235.36 **5 Day** **Today**

NYSEMKT - Disclaimer 52 Week: 198.65 - 240.32 **22%** **11%**

Currency in USD Market Cap: 0 Strong Buy: 46% Buy: 0% Hold: 0% Sell: 0% Strong Sell: 54%



HedgeChatter // Main / Symbol Page

The **Symbol Page** is the basis for researching current and historical social chatter, sentiment, impact, alerts, and manipulation driving a stocks price up or down. This information allows customers to understand and utilize these Social Metrics to generate trade ideas, increase trade confidence, gauge risk, and either avoid or profit from existing manipulation taking place in the markets.



[Main](#) | [Portfolio](#) | [Watchlist](#) | [Premium Features](#) | [Help](#) | [Support](#) | [Account](#) | [Logout](#)

Tweets



stormytuesday
@Stormy_Tuesday_

I would much rather be tweeting about how fantastic my \$TSLA stock is doing, but instead I am fraught with anxiety over this administration

-47 minutes ago



Matt Miller
@MattMillerCubed

\$TSLA so Cute that Shorts are concerned about longs exposure. See ya

-44 minutes ago



WhoTrades
@whotrades

Tesla Worth More than GM, Ford Will not Last

Tesla, Inc. (TSLA)

312.39 \$9.85 (3.26%)
Volume: 7,654,039

4/10/2017 10:36pm EDT
Opening Price: 309.2

NYSEMKT - Disclaimer
52 Week: 178.19 - 313.73

Currency in USD
Market Cap: 0



Social Sentiment (1/13/2017)

- Strong Buy: 83%
- Buy: 0%
- Hold: 0%
- Sell: 0%
- Strong Sell: 17%

Chatter Volume

5 Day: 100%

Today: -7%

Chart: [Alerts](#) | [Stock Chatter](#) | [News](#)

Zoom: [1m](#) | [3m](#) | [6m](#) | [YTD](#) | [1y](#) | [2y](#) | [5y](#) | [All](#)

Show Real-Time \$237.75

\$83.00 (36%) From Jan 10, 2017 To Apr 10, 2017



TSLA News

Tesla (TSLA) Stock Quotes, Company News And Chart Analysis

Apr 7, 2017

Will Electric Vehicle Market Crash When Subsidies Are Eliminated?

Apr 7, 2017

10 Things We Learned From Our Daily Facebook Show With Jim Cramer

Apr 7, 2017

Tesla Teases Model 3, But Will It Be as Good as Model S?

Apr 7, 2017

Battery Patent Application Could Change Game for Tesla

Apr 7, 2017

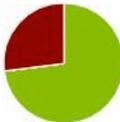
Remember These Three

Most Chatted Stocks

- 1 DRYS ■
- 2 TSLA ■
- 3 AMD ■

Sentiment Analysis

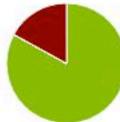
90 Days Ago
11 Jan 2017



Price = \$229.73

2
Day Chg

Hover Date
13 Jan 2017



Price = \$237.75

88
Day Chg

Today's Date
10 Apr 2017



Price = \$312.39

Chg = \$8.02 (3%)

Chg = \$75.00 (31%)

Alert Performance

Type of Alert	Upside Momentum
# of Alerts YTD	2919 alerts
60 Day Avg Win	27%
60 Day Avg Loss	-16%

Alert Manager

TSLA Alerts	170
Portfolio Alerts	150
Watchlist Alerts	46
All Alerts	31254

HedgeChatter // Main / Symbol Page

Accessing the **Symbol Page** can be accomplished from several locations. The primary method is to type in the company name or ticker symbol in the search box. The search box is accessible from all windows inside of HedgeChatter.

The screenshot shows the HedgeChatter Main page. A search box at the top contains the text "Enter symbol or company name" and a "Search" button. Callouts point to the search box and the "Symbol" column in the Watchlist table. The Watchlist table shows HIMX with a price of 9.03 and a change of -2.8. The Portfolio table shows ACAD with a price of 33.07 and a change of 2.19. A "Top Stocks by Social Chatter Volume" chart shows DRYS (1228), TSLA (1171), and AMD (1157). A "Social Alert Screener" table shows alerts for AKRX, AMDA, and AXON.

Type company name or symbol/ticker in search box

Click on the symbol/ticker

HedgeChatter Main

Advanced Access: **Stocks Trending (Pa**

- ▶ Accelerating Positive & Negative Sentiment
- ▶ News Volume & Spikes in News Coverage
- ▶ Tweet Volume Leaders & Spikes in Tweet Volume

View Trending Past 24hrs More Info?

Top Stocks by Social Chatter Volume

1. DRYS	1228
2. TSLA	1171
3. AMD	1157

Social Alert Screener

Date	Stock	Type
Search	Search	sort by alert type
2017-04-10	AKRX	Significant Event Spike in Chatter
2017-04-10	AMDA	Downside Risk
2017-04-10	AXON	Significant Event Spike in Sentim

HedgeChatter // Main / Symbol Page / Widgets

The **Symbol Page** has multiple widgets which work to provide a global view of a stock from a social perspective.

The **Tweets** widget displays the latest rolling tweets.

The **News** widget displays the latest news

The **Watchlist and Portfolio** widget are the same as described here: [HedgeChatter // Main / WatchList & Portfolio Widget](#)

Tweets

**ValueAnalyst**
@ValueAnalyst1

\$TSLA needs to split this summer once above \$500
[@elonmusk](#) [@TeslaMotors](#)
[@TeslaMotorsClub](#)

3 minutes ago

**E #25kTrading**
@LiuOfWallStreet

\$TSLA New Shorts Replace Dead Ones \$F \$GM \$FCAU
\$RACE Today's Live
Streamed Trades:
ln.is/www.youtube.copic.twitter

7 minutes ago

**Nvestly**
@Nvestly

RT @BK_Stocks: Serious \$WNBD buyers buying in

TSLA News

Tesla (TSLA) Stock Quotes, Company News And Chart Analysis
Apr 7, 2017

Will Electric Vehicle Market Crash When Subsidies Are Eliminated?
Apr 7, 2017

10 Things We Learned From Our Daily Facebook Show With Jim Cramer
Apr 7, 2017

Tesla Teases Model 3, But Will It Be as Good as Model S?
Apr 7, 2017

Battery Patent Application Could Change Game for Tesla
Apr 7, 2017

Remember These Three

Watchlist

Stock	Price	% Chg
HIMX	9.03	-2.8

Portfolio

Stock	Price	% Chg
ACAD	33.07	2.19
CSCO	33.01	0.15
HTGM	6.17	-5.22

HedgeChatter // Main / Symbol Page / Widgets

continued..

The **Most Chatted Stocks** widget displays the current top 3 stocks with the most chatter volume.

The **Alert Manager** widget contains the same data as explained here: [HedgeChatter // Main / Alert Manager Widget](#) however it also includes the Total Alerts for the Ticker of the Symbol page a customer is viewing. In this example, the view is for TSLA. By clicking the [TSLA Alerts](#), a new window will display showing all the TSLA alerts with the ability to sort based on alert type.



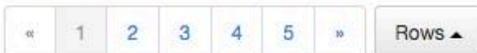
Most Chatted Stocks



All TSLA Alerts

Date	Stock	Type	Price	1DR	5DR	10DR	20DR	40DR	60DR
Search	Search	sort by alert type ▾	Search	Search	Search	Search	Search	Search	Search
2017-03-16	TSLA	Upside Momentum	\$261.50	0.16%	0.63%	6.42%	-1.33%	-0.36%	-0.52%
2017-03-15	TSLA	Upside Momentum	\$262.05	-0.21%	-2.77%	6.06%	-1.33%	-0.36%	-0.52%
2017-03-14	TSLA	Upside Momentum	\$258	-0.88%	-2.84%	7.54%	-1.33%	-0.36%	-0.52%
2017-03-14	TSLA	Upside Momentum	\$255.73	2.47%	-0.28%	8.47%	-1.33%	-0.36%	-0.52%
2017-03-10	TSLA	Downside Risk	\$246.17	-4.81%	-6.40%	-9.77%	-26.90%	-3.51%	-391.78%
2017-03-09	TSLA	Downside Risk	\$243.69	-1.02%	-7.31%	-7.99%	-24.15%	-3.51%	-391.78%
2017-02-24	TSLA	Significant Event Spike in Sentiment	\$246.23	1.53%	2.02%	0.02%	9.74%	22.16%	27.27%
2017-02-17	TSLA	Significant Event Spike in Sentiment	\$277.39	1.40%	9.88%	10.38%	9.63%	22.16%	27.27%
2017-02-09	TSLA	Upside Momentum	\$269.20	0.01%	-0.09%	-4.53%	-9.48%	12.38%	-0.52%
2017-01-13	TSLA	Significant Event Spike in Sentiment	\$235.58	1.18%	8.08%	6.94%	19.27%	8.55%	27.27%

Rows 1-10 of 170



DR = Day Return Percentage
Actual Returns: 1.23%
Expected Returns: 1.23%

HedgeChatter // Main / Symbol Page / Widgets

continued..

The **Alert Performance** widget displays either the Upside Momentum Alert or Downside Risk performance when mouse hovered on the graph on the Symbol Page.

Upon hovering on any of the alerts, a pop up box is displayed, showing the alerts performance from that point forward.

Type of Alert: Upside Momentum or Downside Risk
of Alerts YTD: Total number of Type of Alert for all stocks.
60 Day Avg Win: Winning % for this Type of Alert (based on a fixed in/out timeframe)
60 Day Avg Loss: Loss% for this Type of Alert (based on a fixed in/out timeframe)

Alert Performance

Type of Alert	Upside Momentum
# of Alerts YTD	2919 alerts
60 Day Avg Win	27%
60 Day Avg Loss	-16%



HedgeChatter // Main / Symbol Page / Chart

The **Chart** area provides a quick understanding of **Social Sentiment**, **Chatter Volume**, **Chatter Volume Acceleration**, **Alerts**, and **News**. The **Chart** area also allows the ability to view current and historical data compared to price.

Himax Technologies, Inc. - (ADR) (HIMX)

[Remove from Watchlist](#) [Add to Portfolio](#)

8.40 \$0.01 (0.12%)

4/14/2017 1:29pm EDT

NYSEMKT - Disclaimer
Currency in USD

Volume: 3,474,015
Opening Price: 8.32
52 Week: 4.88 - 10.95
Market Cap: 1.44B

Social Sentiment (Now)



Strong Buy: 100%
Buy: 0%
Hold: 0%
Sell: 0%
Strong Sell: 0%

Chatter Volume

5 Day **-85%** Today **-85%**



Chart [Alerts](#) [Stock Chatter](#) [News](#)

[Show Real-Time](#) \$8.40

Zoom [1m](#) [3m](#) [6m](#) [YTD](#) [1y](#) [2y](#) [5y](#) [All](#)

\$2.63 (46%) From [Jan 14, 2017](#) To [Apr 14, 2017](#)



HedgeChatter // Main / Symbol Page / Chart / Social Sentiment

The **Social Sentiment** area displays the sentiment of all given messages for the day where the mouse hovers over the blue horizontal “price” line. This allows customers to view historical sentiment changes. (Note: Summer of 2016 we condensed Strong Buy + Buy into Strong Buy and Sell + Strong Sell into Strong Sell.) When viewing a day, outside of real-time, the sentiment for that given day is rolled-up into the total for that given day.

Example: HIMX is showing the mouse hover on Thursday, March 9th, 2017. The sentiment sum for that day is Strong Buy 86% and Strong Sell 14%.



HedgeChatter // Main / Symbol Page / Chart / Social Sentiment

continued..

Clicking on "Show Real-Time" displays the **Social Sentiment** for the current snapshot in time. This represents the furthestmost right side of the chart.

Himax Technologies, Inc. - (ADR) (HIMX) [Remove from Watchlist](#) [Add to Portfolio](#)

8.40 \$0.01 (0.12%) Volume: 3,474,015 **Social Sentiment (Now)** Chatter Volume

4/14/2017 2:50pm EDT Opening Price: 8.32
52 Week: 4.88 - 10.95
Market Cap: 1.44B

Strong Buy: 100%
Buy: 0%
Hold: 0%
Sell: 0%
Strong Sell: 0%

5 Day: -85% Today: -85%

Chart Alerts Stock Chatter News **Show Real-Time** \$8.40

Zoom 1m 3m 6m YTD 1y 2y 5y All \$2.63 (46%) From Jan 14, 2017 To Apr 14, 2017



HedgeChatter // Main / Symbol Page / Chart / Chatter Volume

Chatter Volume displays the percent of change in chatter volume.

- **5 Day:** displays the change in message volume over the previous five day period from the day selected on the timeline graph, using mouse hover)
- **Today:** Displays the real-time change in message volume over last 24 hours.

By default the Show Real-Time button is enabled and thus the **5 Day & Today** Chatter Volume Indicators show the same number. Simply by moving the mouse over the graph, the Show Real-Time will disengage and the 5 Day Indicator will show new results.

Himax Technologies, Inc. - (ADR) (HIMX) [Remove from Watchlist](#) [Add to Portfolio](#)

8.40 \$0.01 (0.12%) Volume: 3,474,015 **Social Sentiment (Now)** **Chatter Volume**

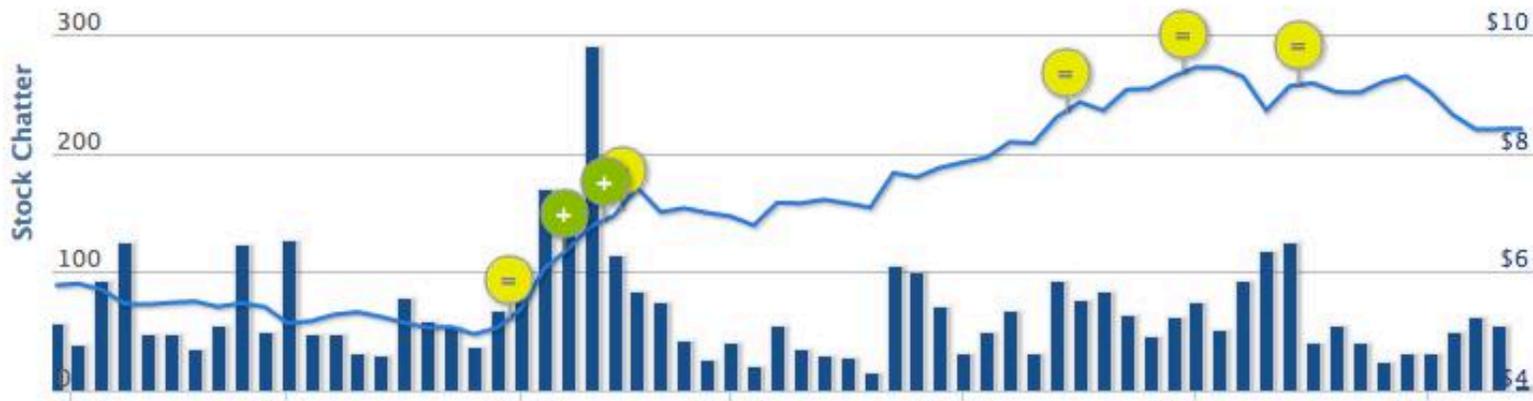
4/14/2017 2:50pm EDT Opening Price: 8.32
52 Week: 4.88 - 10.95
Market Cap: 1.44B

5 Day **Today**
-85% **-85%**

Strong Buy: 100%
Buy: 0%
Hold: 0%
Sell: 0%
Strong Sell: 0%

Chart [Alerts](#) [Stock Chatter](#) [News](#) [Show Real-Time](#) **\$8.40**

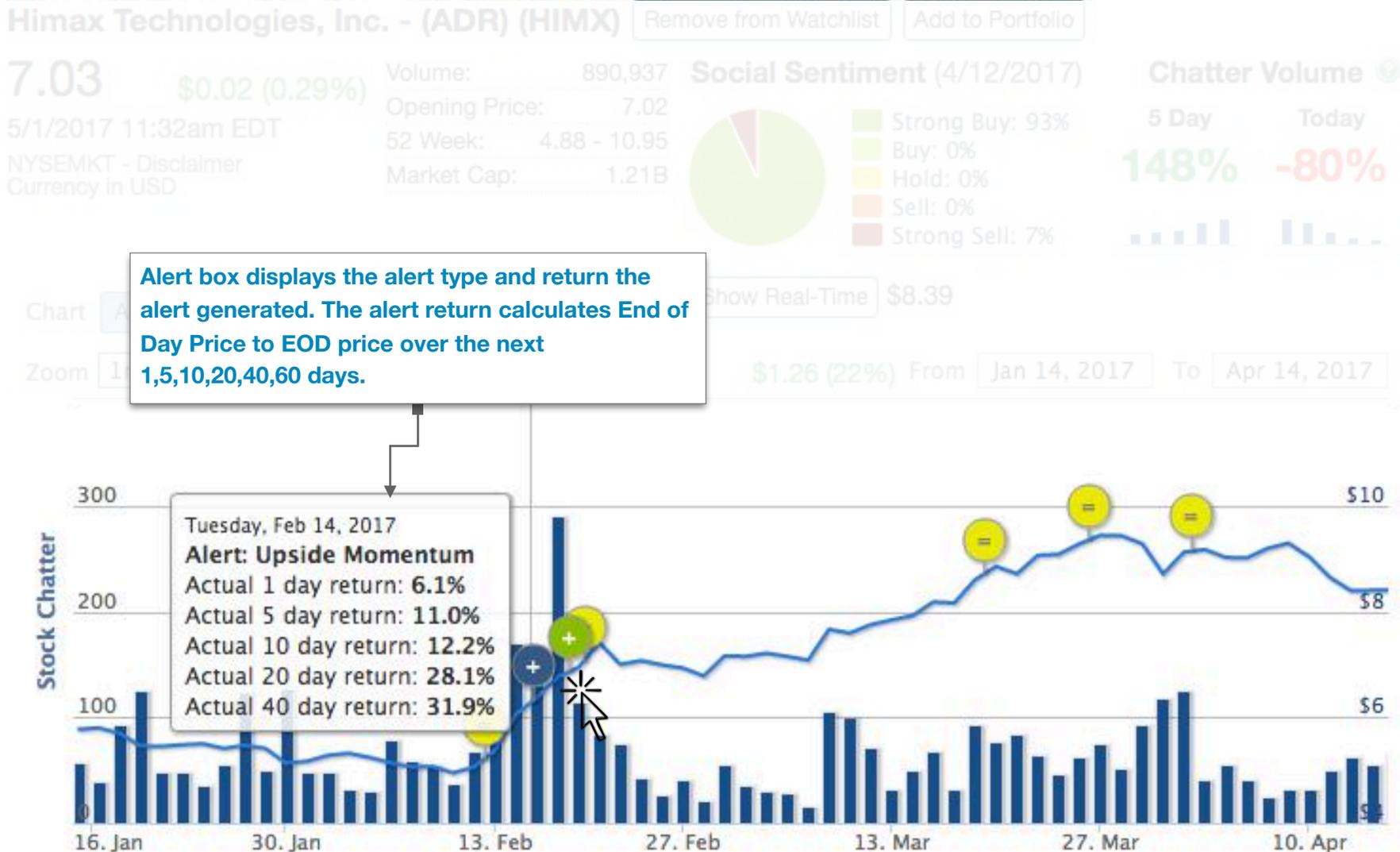
Zoom [1m](#) [3m](#) [6m](#) [YTD](#) [1y](#) [2y](#) [5y](#) [All](#) **\$2.63 (46%)** From [Jan 14, 2017](#) To [Apr 14, 2017](#)



HedgeChatter // Main / Symbol Page / Chart / Alerts

Alerts display the price change from day the Alert was generated up to 1, 5, 10, 20, 40, 60 Trading days later. Hover over any of the alerts to understand their performance for a price increase or decrease for 1, 5, 10, 20, 40, 60 Trading days following when the alert was first generated.

Detailed information on each alert can be found here [HedgeChatter // Main / All Social Alerts / Alert Types](#)



HedgeChatter // Main / Symbol Page / Chart / Sentiment Analysis

Sentiment Analysis displays the price change and Sentiment Changes over a given time frame. The Sentiment Analysis tab is found at the bottom of all Symbol Pages.

The Time Frame can be set by choosing either:

1) The Zoom Level

Zoom

2) Setting the dates manually

From To

The Zoom Level works the same way in which most stock trading platforms operate which allow you to choose the past 1 month, 3, month, 6 month, Year-To-Date, 1 year, 2 year, 5 year, or all time range.

Once the time frame is set, which automatically defaults to 3month view, the display shows 3 areas:

- 1) "X Days ago" and its date on the far left: This pie chart displays the Sentiment of the ticker for that given day, how many days ago from today it was, the actual calendar date, and the closing price.
- 2) "Hover Date" and its date in the middle: This pie chart displays the Sentiment of the ticker for the day which corresponds to where the mouse is hovering on the price chart, and the closing price.
- 3) "Today's Date" and the current date on the far right: This pie chart displays the Sentiment of the ticker for today which corresponds and the current price.



HedgeChatter // Main / Symbol Page / Chart / Sentiment Analysis

continued..

Hover Date corresponds to the mouse hover position on the price chart.



HedgeChatter // Main / Symbol Page / Chart / Sentiment Analysis

continued..

Hovering the mouse over one of the three pie charts in the Sentiment Analysis tab will display the percent of Sentiment (Strong Buy or Strong Sell) as percent of the total number of social messages for the respective day.

Between each the 3 pie charts, the number of days between each chart is listed as well as the price change in dollar amount as well as percentage amount.

In this example of HIMX we note that:

- 109 days ago on Jan 13, 2017 Strong Sell Sentiment was at 9% and stock price closed at \$5.77
- 25 days later on Feb 7, 2017 Strong Sell Sentiment Increased to 33% and the price dropped 12% or \$0.71 per share
- 84 days later on May 2, 2017 Strong Sell had dropped to 0% and the price increase 40% or \$2.04

Sentiment Analysis provides a method to measure how traders and investors think about a certain stock performance and then this data can be used to understand historically how Sentiment has correlated to price movement which provides the ability to ingest current Sentiment to predict a stocks next move either up or down.



HedgeChatter // Main / Symbol Page / Chart / Manipulation Index

Manipulation Index is a powerful tool to determine which stocks are being pumped and dumped. This tab displays the percent of all social messages, which the HedgeChatter advanced algorithms have processed, as either FAKE SOCIAL/NEWS or VALIDATED SOCIAL/NEWS.

FAKE SOCIAL/NEWS: is the percentage of fake generated social, blog, etc accounts and messages which are purposely working to pump a stock. Typically all stocks have some degree of pumped social/news or bogus press releases. The baseline is 59%. Any stock with more than 59% is subject to extra scrutiny and is more often than not the target of pump and dump.

VALIDATED SOCIAL/NEWS: is the percentage of valid generated social, blog, etc accounts and messages which are typical for any stock.

The **Manipulation Index** is utilized to understand if a stock is the subject of stock manipulation or not and to then trade appropriately. To learn more about the SEC WARNING on Social pump and dump visit: https://www.sec.gov/oiea/investor-alerts-bulletins/ia_rumors.html



HedgeChatter // Main / Symbol Page / Chart / Manipulation Index

continued..

Manipulation Index functionality works similar to **Sentiment Analysis** regarding date range and understanding the pie charts.

Usage details will be covered in the Strategy Guide in regards to utilizing this information for trade setups.