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ThrasherAnalytics.com

THRASHER ANALYTICS MARKET DASHBOARD



Sector Rotation:		
August		
Technology	XLK	
Consumer Disc.	XLY	
Communication	XLC	

Fixed Income Rotation: Q3				
Muni Bond	MUB			
High Yield Corp.	HYG			

Notable Breadth Data:		
SPX >50MA	72.67%	
SPX >200MA	55.05%	
Nasdaq >50MA	67.96%	
Nasdaq >200MA	77.67%	

Index & Sector			
Adap	otive T	rend	
	Up	Down	
	Trend	Trend	
SPX	X		
QQQ	X		
XLF		X	
XLY	X		
XLK	X		
XLV	X		
XLU		X	
XLP	X		
XLI	X		
XLRE		X	
XLE		X	
XLB	X		

Daile Canting at Inday					
Daily Se	Sentiment Index				
	% Bullish	5-day MA			
S&P 500	85%	83%			
Nasdaq 100	81%	86%			
Nikkei	76%	75%			
VIX	10%	12%			
10yr Treasury	72%	78%			
5yr Treasury	71%	72%			
CRB Index	80%	83%			
Gold	84%	90%			
U.S. Dollar	17%	15%			

*Green<25% Red>80%

source: trade-futures.com

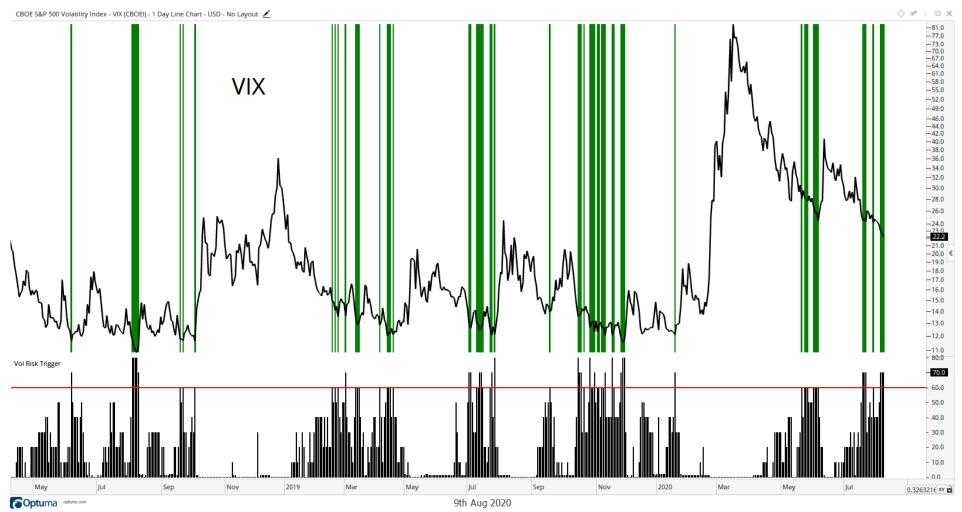
SECTOR DASHBOARD



Sector	> 50MA	> 200MA	1wk Perf 🕶	1mo Perf	3mo Perf	12mo Perf
SPDR Industrial Select Sector Fund ETF	True	True	4.74%	9.47%	22%	0.45%
SPDR Financial Select Sector Fund ETF	True	False	3.37%	8.33%	13.84%	-7.14%
SPDR Energy Select Sector Fund ETF	False	False	3.19%	2.54%	0.24%	-36%
SPDR Communication Services Select Sector ETF	True	True	3.1%	6.73%	17.67%	21.83%
SPDR Technology Select Sector Fund ETF	True	True	3%	7.31%	21.76%	46.78%
SPDR Consumer Discretionary Select Sector Fund ETF	True	True	2.47%	7.57%	22.05%	19.83%
SPDR Materials Select Sector Fund ETF	True	True	2.24%	5.72%	20.41%	8.07%
SPDR Consumer Staples Select Sector Fund ETF	True	True	1.29%	6.17%	11.72%	7.85%
SPDR Utilities Select Sector Fund ETF	True	False	1.08%	7.95%	11.7%	2.18%
SPDR Health Care Select Sector Fund ETF	True	True	0.83%	4.59%	7.59%	18.12%
SPDR Real Estate Select Sector Fund ETF	True	False	0.66%	3.99%	11.45%	-3.64%







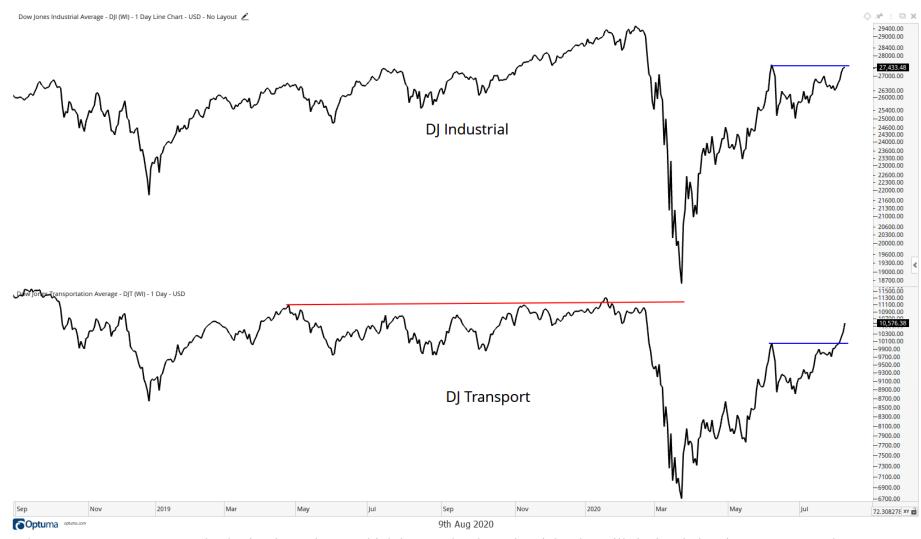
The VRT continues to give signals of heightened risk of a spike in the Volatility Index. Thus far, the market has ignored these concerns, with the VIX moving to its lowest level since March last week. Is this latest move down the setup for a seasonal bounce in volatility that August has grown known for? We'll see.





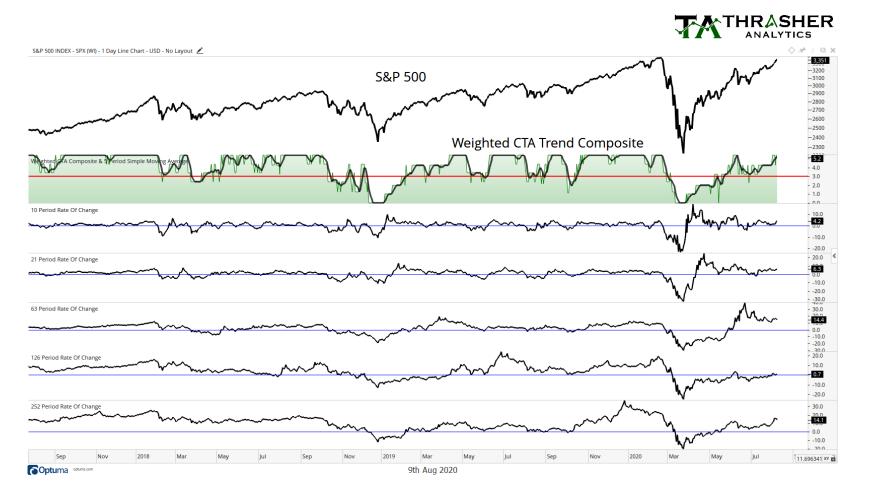
The S&P 500 has moved higher, closing its gap created in February with the 14-day RSI also moving just below the 70 level. The equity index finds itself just below the 2020 high, a level that will become a target of many traders as gravity surely attempts to pull price up to. Momentum has remained in a bullish range since April, clearing the bearish divergence created a few weeks ago. I've recently grown cautious on stocks and that's clearly been wrong so far, I'm the first to admit that. However, I do believe the risk/reward is not overly attractive here—that doesn't mean price can't inch higher like it has. The mega caps have dragged the broad indices higher as earnings season comes to a close. Goldman's latest note on the topic I think is fitting, highlighting that Q2 earnings at –34% were still better than the consensus expectations of –44%. Only in 2020 would a drop in YoY earnings of 34% come in as a "beat." oy vey.





The Dow Jones Transport Index broke above the June high last week. The Industrial Index still sits just below its own June peak, many are looking for the Industrials to rise and 'confirm' the Transports move which would not be unexpected.





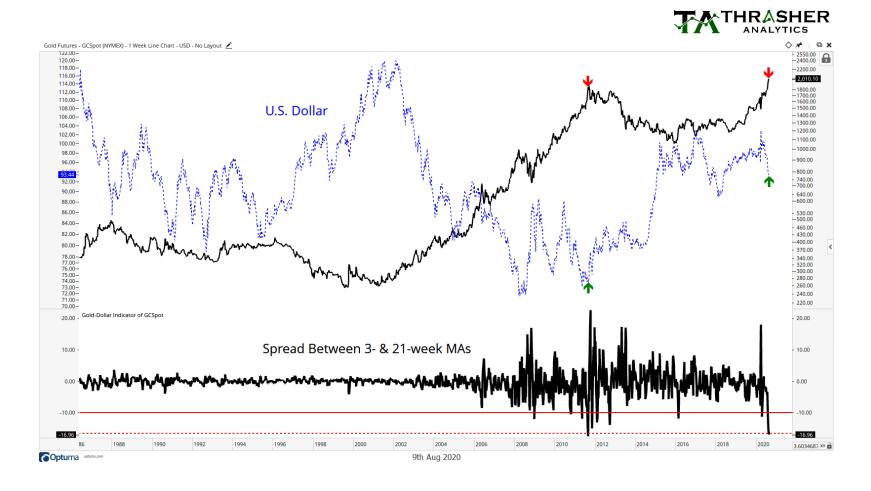
All five lookback periods for the Weighted CTA Trend Composite are now positive. The composite moved positive itself back in early May, and remains so now with the 6-month rate-of-change joining the group in the green. This suggests we'll now see a stronger push from trend followers to join the party of taking on risk exposure in equities, adding to the exposure the initial four lookback periods would have provided. If we stay positive, this creates a tailwind for equities to continue their climb.





Gold has now been positive for nine consecutive weeks, a feat it hasn't done since 2008. Going back to the 1970s, gold has only been able to hold a gain for nine straight weeks just four prior times. The shiny metal did struggle to retain the gains in two of the four, topping out several weeks later in 1980 and 2008. While this is obviously a very small sample size it shows the massive climb in gold prices after breaking above the \$1,800 level a few weeks ago.

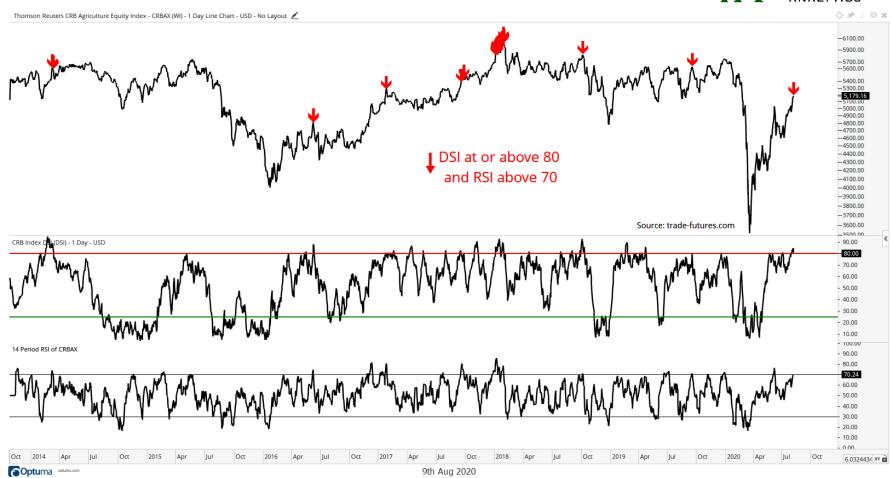




While on the topic of gold, as it shoots higher and the U.S. dollar plummets, the relationship between the two hits historic levels. I believe it was Larry Williams (I could be wrong, don't quote me on that!) that created the Gold-Dollar Indicator that looks at the spread between the 3-week and 21-week moving average of the ratio between the two assets. It has only been at such a depressed level one prior time since the 1970s, at the gold peak and dollar bottom in 2011. This was a significant time for both gold and the dollar. Gold was coming off an extremely strong run after bottoming in 2009, it then slid for several years before bottoming in 2016. This isn't to suggest gold will repeat that move. With real interest rates still negative, there's a massive tailwind for gold prices to remain elevated. However, its relationship to the dollar has become very stretched, so some kind of consolidation or pullback is not out of the question to ease some of this 'tension' so to speak.







Speaking of commodities, the CCRB Agriculture has had a strong climb since its 2020 low, This index holds 19 commodities such as aluminum, cocoa, coffee, copper, corn, cotton, gold, oil, hogs, cattle, nat gas, gasoline, silver, sugar, and wheat. The big moves in several of these (ala copper, gold, and silver) have helped drive the Daily Sentiment Index (DSI) for commodities above 80% along with momentum north of 70 on the RSI. When these two both occur, elevated sentiment and momentum, commodities have struggled as shown by the red arrows on the chart above. This is not a comment on a one single commodity but for the basket of them.

This risk/reward in commodities is now unattractive in my view.







One of the drivers of the last chart's move in commodities has been assistance by the advance in Copper, which may have hit resistance last week. Copper prices ran up to the March 2019 highs and were unable to break above. Meanwhile, sentiment began to cool off as well, with the DSI dropping to 61% bullish after rising above 80%.

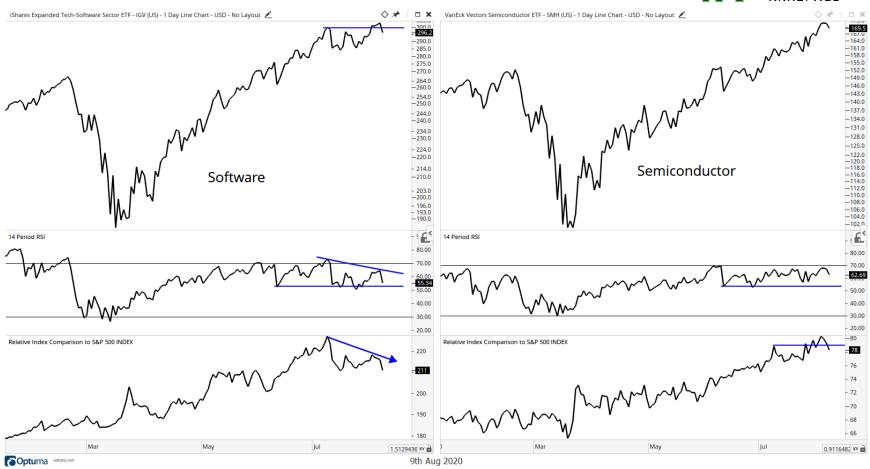




The above chart shows the number of S&P industries with price above its respective 20-day Moving Average. While we often look at more broad sectors, following what the smaller industries are doing can provide advance notice to what's ahead for the major indices. Right now, the industries remain in bullish trends with nearly all of them above the 20-day MA.





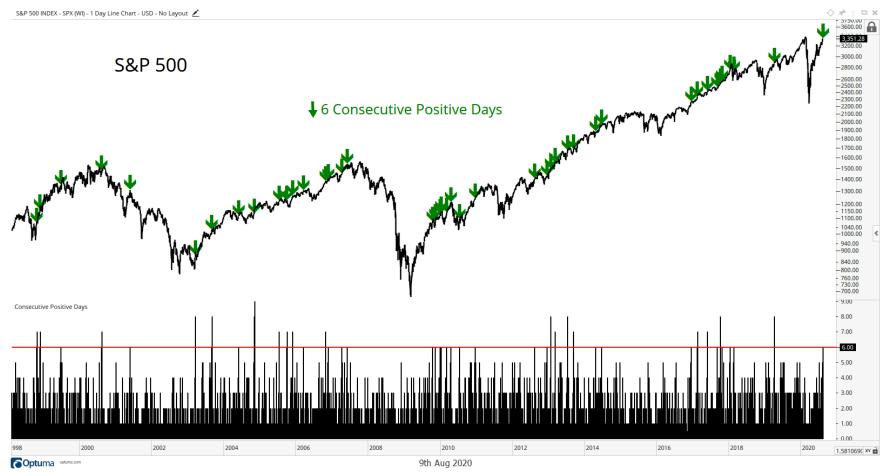


Software and semiconductors have been strong market leaders in recent months. Some of the biggest runs in individual stocks have been software or internet stocks. Because of their leadership status, the recent failed break above the July high in IGV (the largest software ETF by assets) following the bearish momentum divergence is a bit of concern. However, momentum still is above the prior lows, holding a bullish range. Relative strength has broken down for both semi's and software (bottom panel of both charts). I'm watching the prior lows in momentum as signs of possible support and buyer interest. If these don't hold then we may see some rotation (bullish thesis) to other corners of the market or an overall weakening in equities as a whole (bearish thesis).

As large of a share tech has taken in the market, a rotation away from tech without the indices suffering seems a tough needle to thread. We'll see if bulls can accomplish it. AAPL alone is 6.5% of the S&P 500, the largest weighting a stock has ever been for the index.



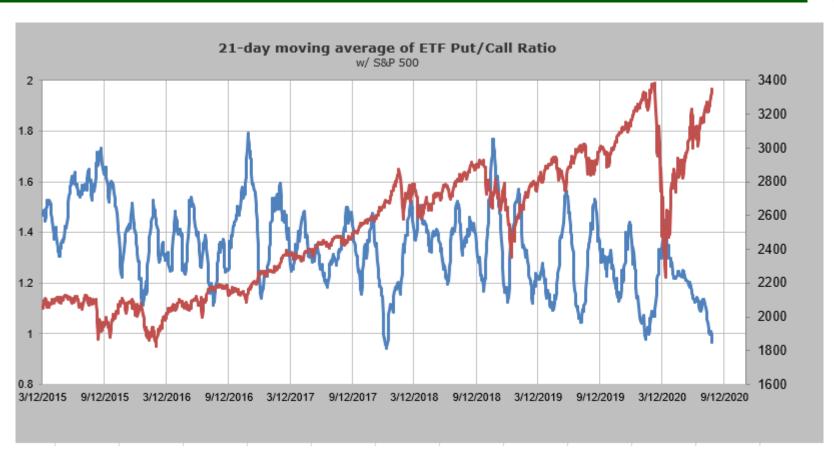




I mentioned earlier the consecutive weeks of gains for gold, a similar pattern has played out for the S&P 500 which has been up for six days in a row. This is more common than the gold pattern, but not something the index has done since 2019. As you can seen, most of the time the trend remained positive for equities, with a few short-term pullbacks soon following. Overall, this isn't a bearish chart for equities long-term but also not a trend that can continue forever.

For those curious, the record (since 1950) for most consecutive days up was set in April 1975 with 14 days.





As with the other sentiment gauges, the put/call ratio has fallen off a cliff for equities and the same can ben seen for ETFs. The 1-month (21-day) average of the ETF put/call ratio (chart courtesy of Helene Meisler) has fallen under the level seen back in February, which was extremely low on its own merit. We're now back near levels seen during the heyday of January 2018 and the price action 'feels' like early 2018 too as stocks only go up as Dave Portnoy would often like to remind you. Unfortunately that's just not true, they don't always go up but based on how the options market is treating this trading environment, no one seems to want to own a put on ETFs.





Breadth has been improving for the S&P 500, with a recent rise in % above the 20-day, 50-day, and 200-day MA. There's still some signs of a bearish divergence here with lower highs for the % above 20-day and 50-day. However, the improvement in long-term breadth w/ the % above 200-day is very encouraging. Hopefully these trends continue to strengthen this week if we do see the index hold firm.



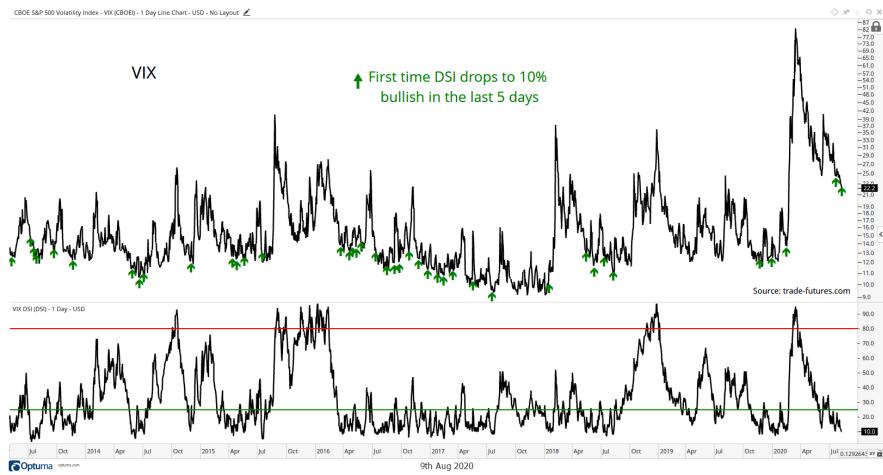




The Volatility index and the VIX of the VIX are in disagreement. While the VIX dropped to fresh multi-month low last week, the VVIX held strong, remaining above its own May low. It's not often for the two to not confirm each other, but when they do the VVIX often comes out the 'smart' one, with the VIX moving to confirm the strength (or weakness) in the VVIX. In this case, that would suggest the VIX to rise back to 25 (ish) which would be fitting based on the signals from the VRT and volatility seasonality in August.



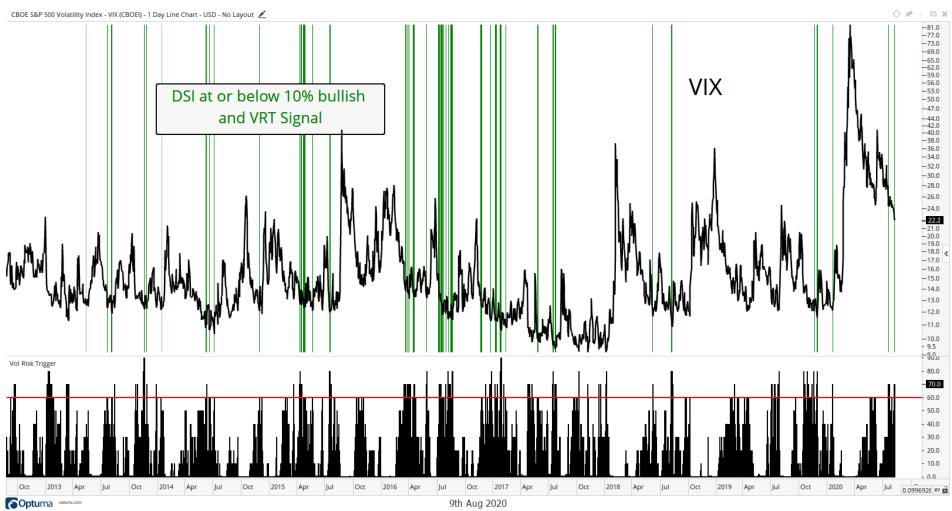




The DSI data for the VIX suggests there are hardly any volatility bulls left as %. It's not usual to see 10% bullish for the VIX, as shown by the green arrows on the chart above. If you're wondering how this looks when we combine it with the VRT, the next page has your answer...



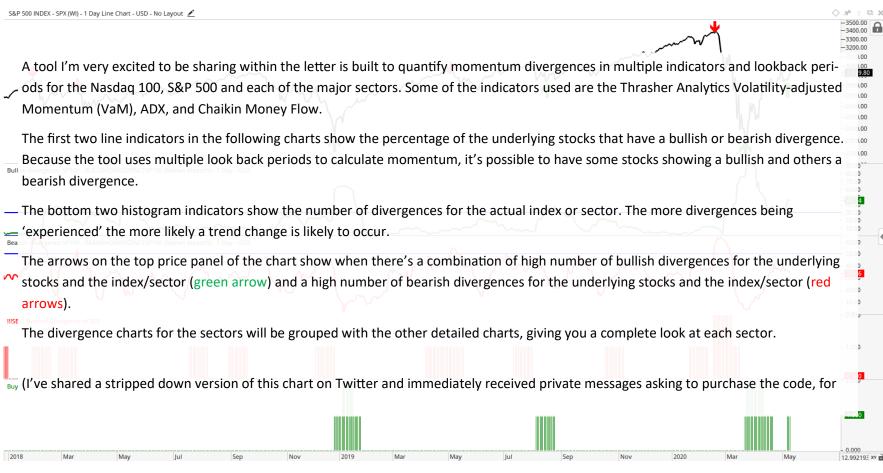




The above chart is the VRT chart but shows a blue bar only when the VRT signals and Daily Sentiment Index is at or below 10% bullish for the VIX. This strengthens the argument for a move higher volatility. Rarely did we see the VRT signal and sentiment be this low without a move higher in VIX not follow. Of course, nothing is guaranteed but I view everything through the prism of risk/reward and this suggests there's much greater risk to vol expanding than continuing to move lower into the teens.









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One of the new sections of the report will include a more detailed look at the primary S&P sectors. This section will develop over time but initially will include two pages (three when the divergence data launches in the next report).

The first page will show a daily and weekly chart of the sector with two proprietary indicators. The first is a **Momentum Composite**, which allows momentum indicators to be viewed from a overbought and oversold lens as the indicator evaluates the z-score of multiple momentum indicators with varying lookback periods. When the underlying indicators are at historic extremes, they often are prone to mean-reversion price action, especially when grouped together as I've done with the Momentum Composite

The second tool is a Volatility-Adjusted Momentum, which uses a custom gauge of volatility applied to a traditional momentum indicator.

When used together, a great detail can be gleaned from what momentum is showing for the daily and weekly charts of each sector and I'll of course provide brief commentary to accompany them.

On the far right are **two watchlists**, showing stocks that make up each sector broken down by momentum and mean-reversion. The momentum list is the same tool used for the sector rotation model, a custom built indicator (different than the Momentum Composite) that evaluates the trend of a security and provides a score based on the attractiveness and sustainability of that trend. The higher the score the better.

The second watchlist is the individual stocks of the sector sorted by respective Momentum Composite reading, shown as a z-score. Scores less than 2 are significant.

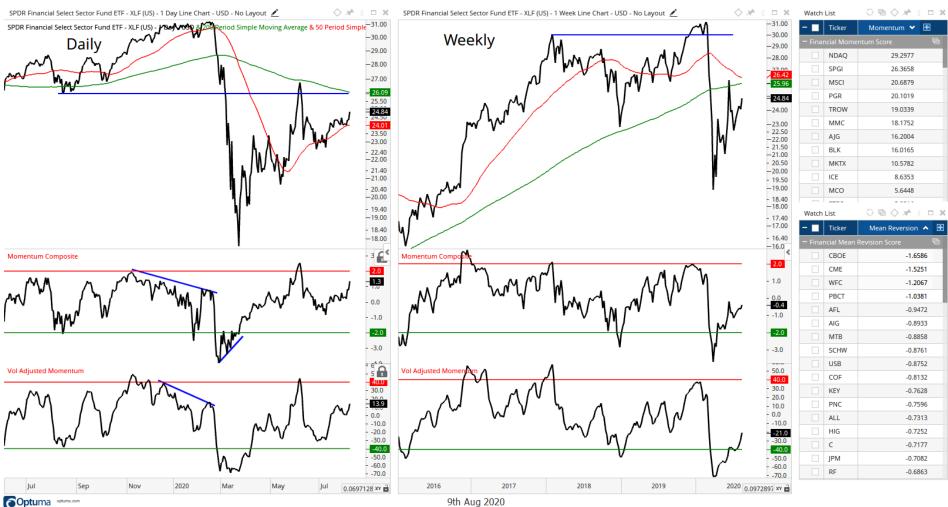
These watchlists can provide an excellent starting point for further research and analysis. Feel free to use these as idea generation. I'll have more details and example back tests in the future. These lists aren't intended to be buy/sell signals on their own.

The second page will show several standard breadth gauges for each sector, providing additional insight into the individual stock participation in the sector's price action.





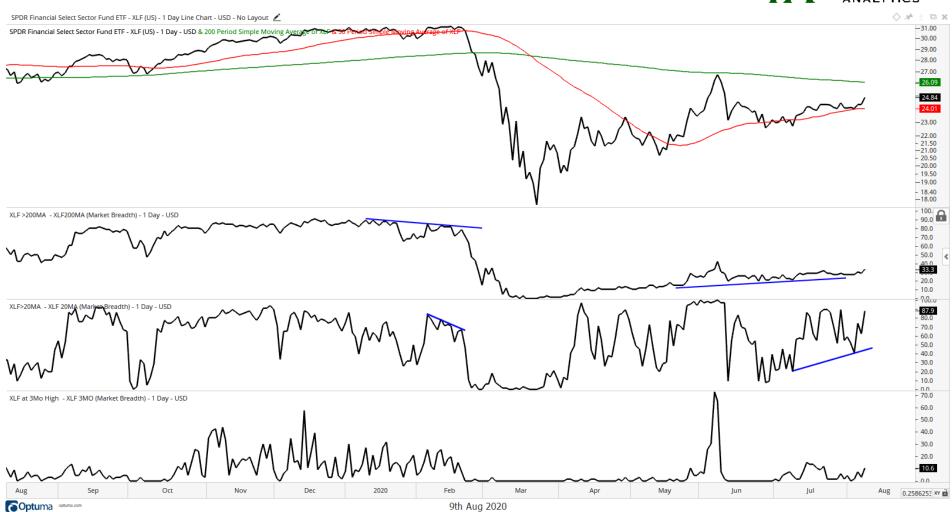




XLF has held above the 50-day MA with improving momentum.







Breadth remains supportive.

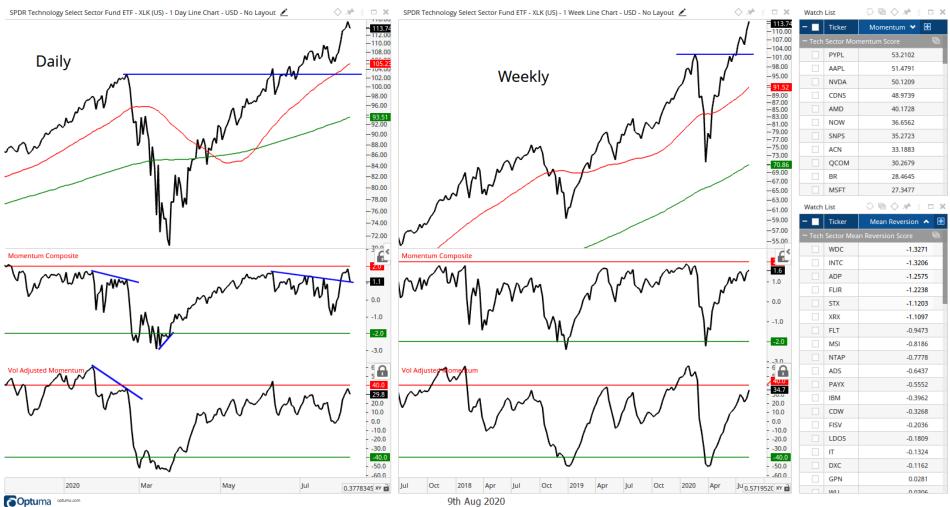


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XLK has cleared its bearish momentum divergence with price holding above its breakout point.







Declining % of tech stocks above the 200-day MA (top panel) with a ceiling on the % making 3-month high just under 30%. Breadth not looking great for tech.













XLV holding its breakout but still has weekly bearish divergences.

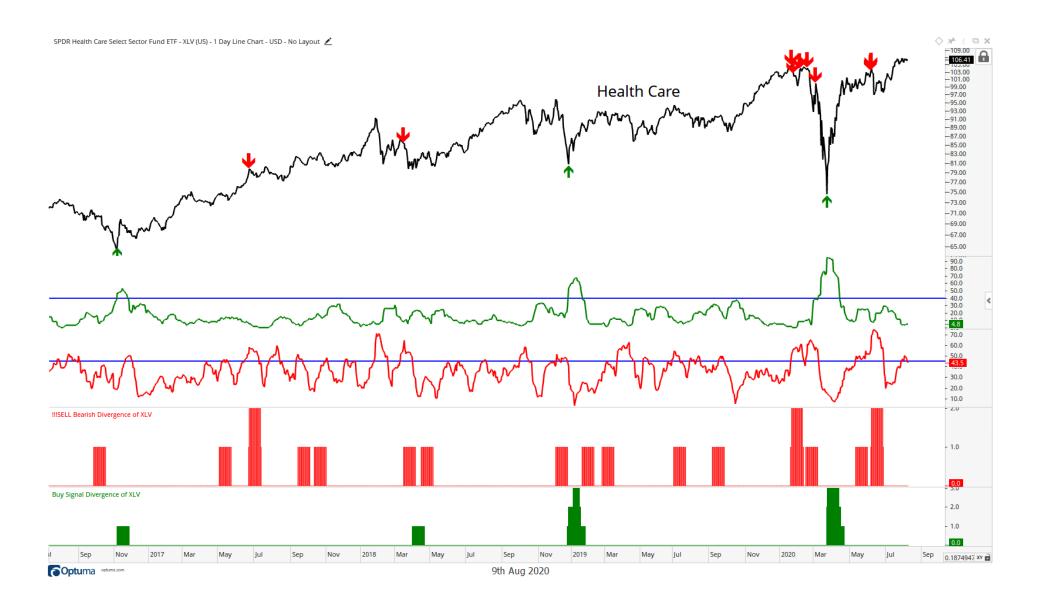






Breadth remains supportive for the % Above 200-day (top panel) with some weakness short-term in % above 20-day (middle panel).







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XLC holding on to its breakout, closing out the bearish momentum divergences.







Supportive short-term breadth of %20MA but no improvement in 3 month high or %200MA.



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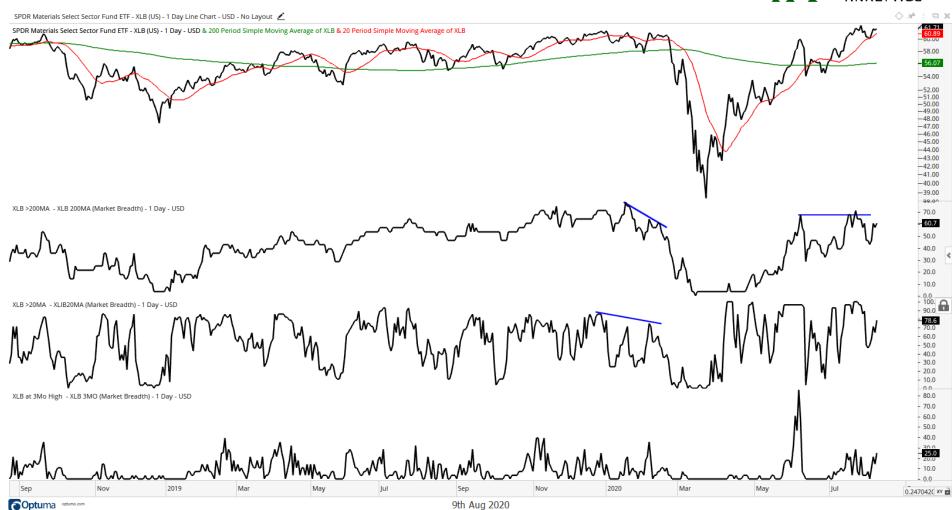




XLB right at its breakout point.



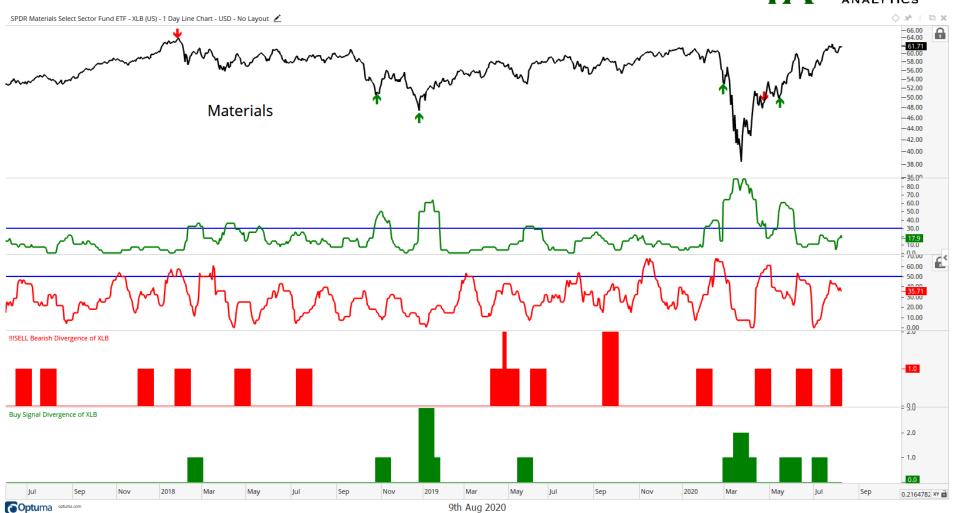




Breadth is positive for XLB.

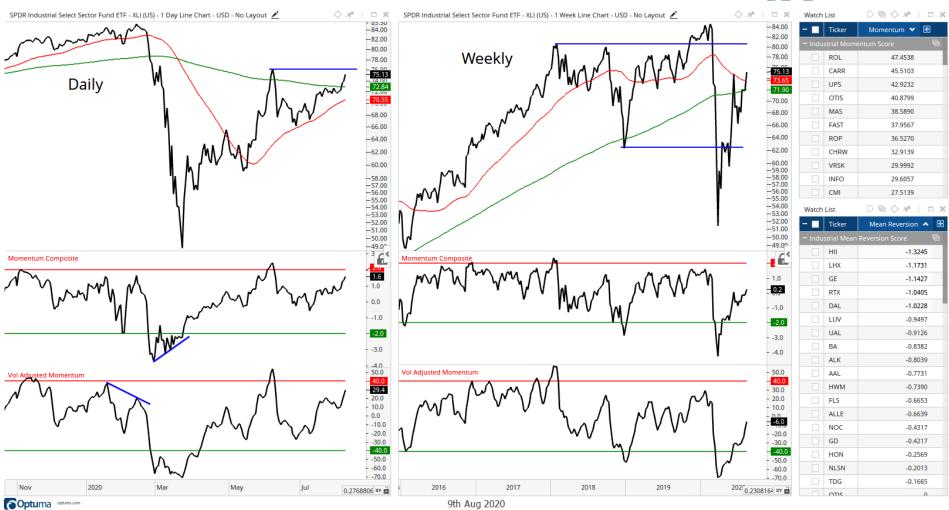


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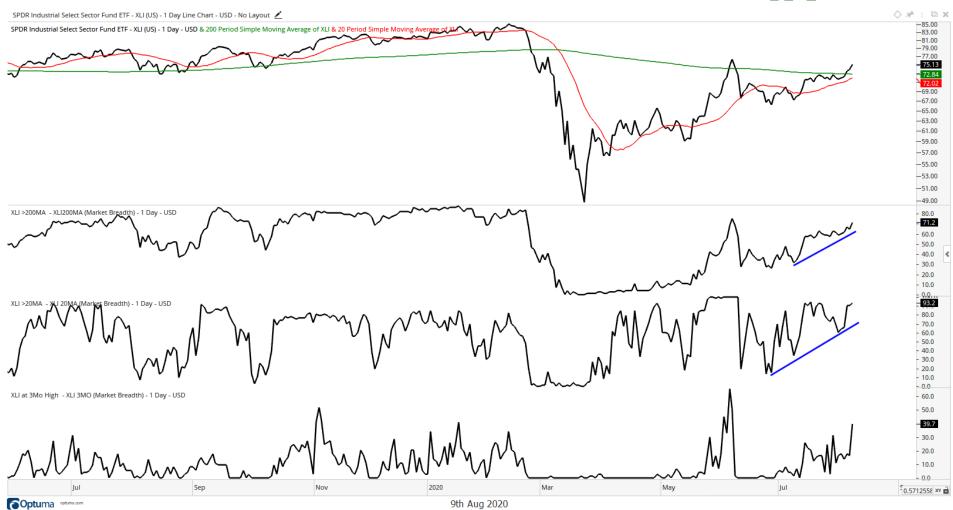






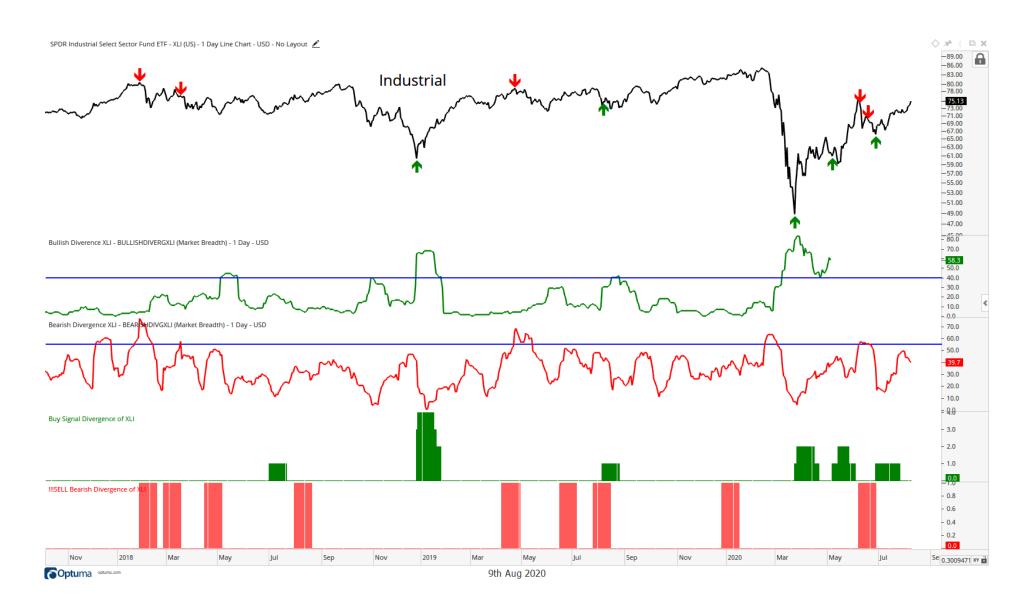
XLI is just under the prior June high and closed above the 200-day MA.





Breadth continues to track price trend.











XLP supported by momentum and rising near prior 2020 peak.

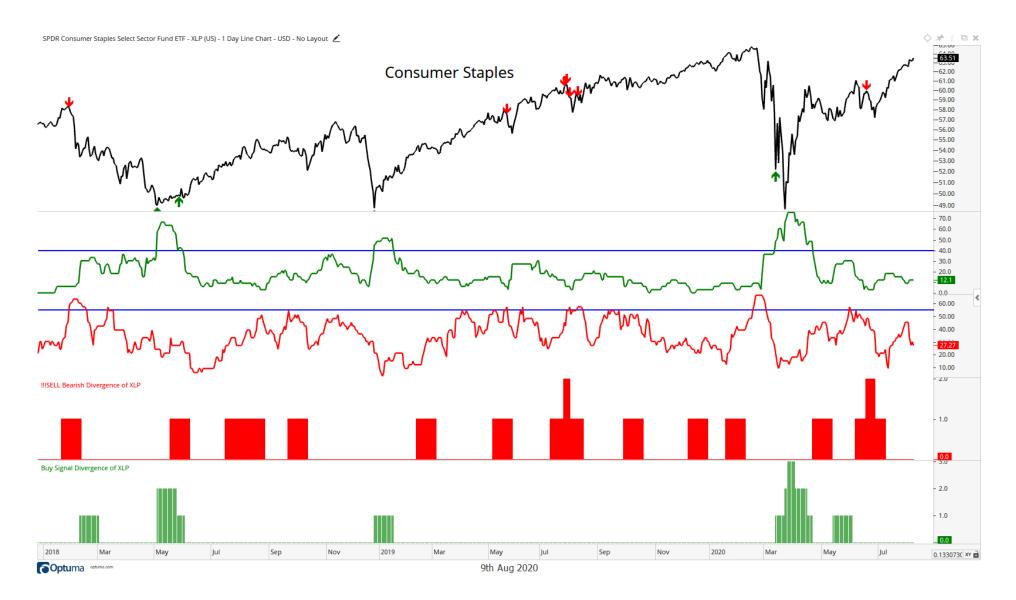






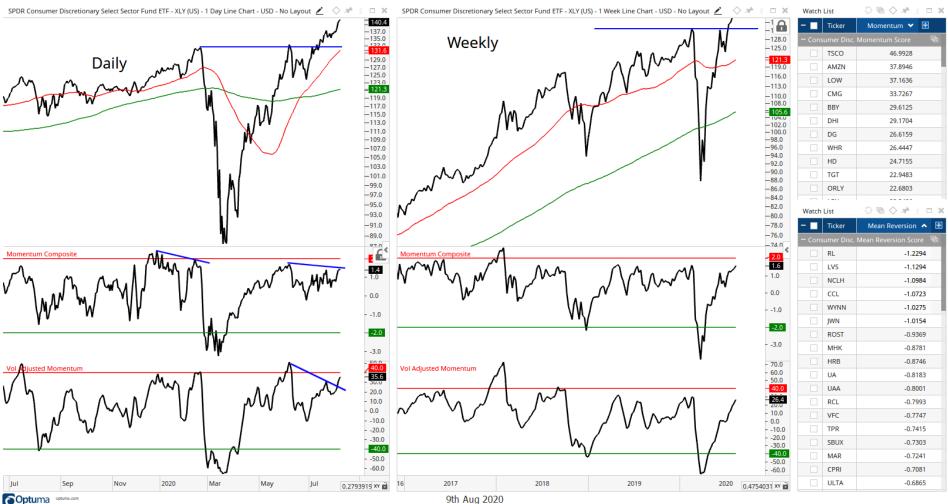
Breadth is supportive.











XLY holds above the prior high with bearish divergences on both daily indicators.







Breadth remains supportive







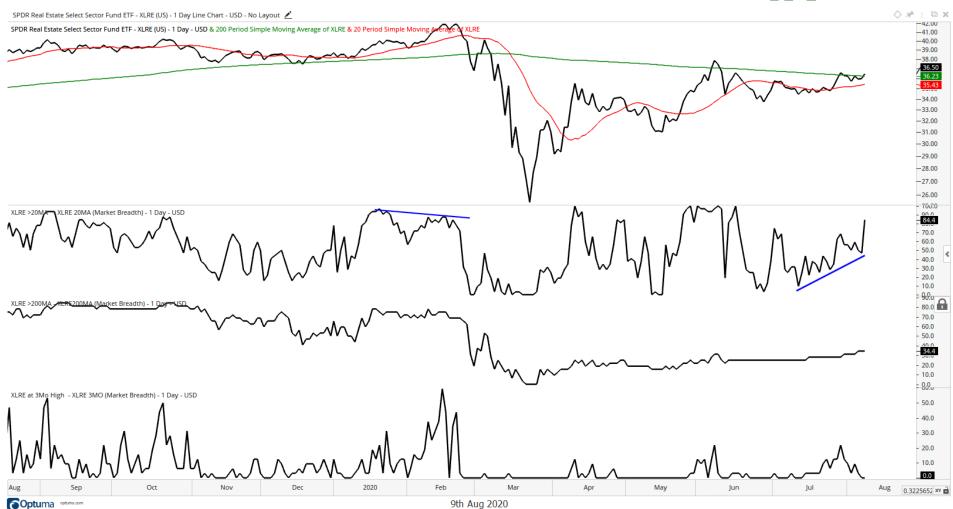




XLRE trying to break above the declining 200-day MA.







Breadth is supportive.











XLU trying to break the 200-day MA and get back to the June high.



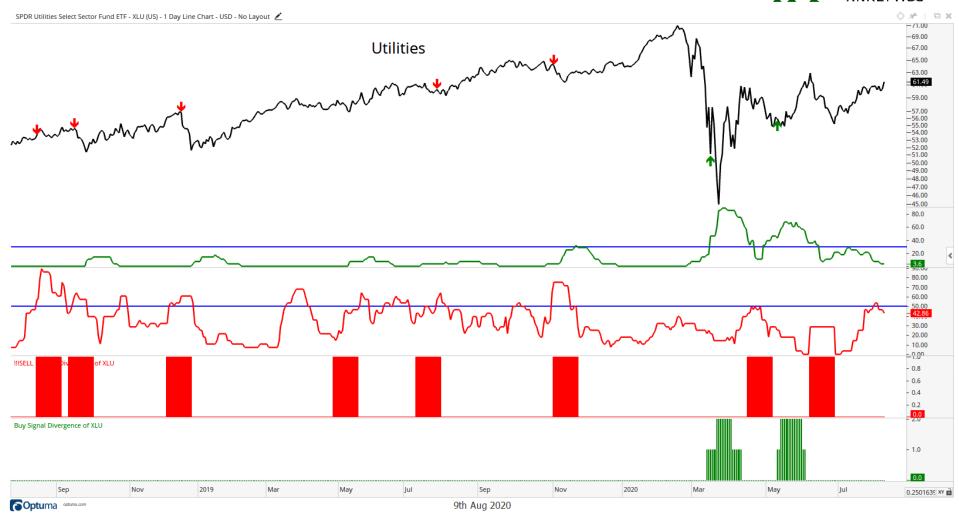




Breadth still waiting to expand with price.



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Market	% Bullish 🔨	5MA	History 🖽 🔳	1	Code	% Bullish 🛧	5MA	
VIX DSI	10				EuroDollar DSI	73.00	73.00	MAA
Corn DSI	14				British Pound DSI	73.00	76.00	Jan Araban
US Dollar DSI	17	14.8			New Zealand Dollar DSI	75.00	76.40	A CONTRACTOR OF THE PARTY OF TH
Lean Hog DSI	32.00	26.40			Nikkei DSI	76.00	75.20	ALL PROPERTY.
Natural Gas DSI	39.00	36.00			Palladium DSI	77.00	72.60	A-4-1
Wheat DSI	45.00	51.00			Swiss Franc DSI	80	83.6	
Orange Juice DSI	51.00	56.00			Euro DSI	80	84.8	American a
Coffee DSI	51.00	53.60	All Investment and the second		CRB Index DSI	80	82.6	
Sugar DSI	58.00	59.60			Nasdaq DSI	81	85.8	
Cotton DSI	61.00	68.00			Australian Dollar DSI	82	83.8	A A A A A A A A A A A A A A A A A A A
Copper DSI	61.00	68.40			Platinum DSI	83	85.8	ALL PROPERTY.
Gasoline DSI	62.00	62.60			Cocoa DSI	83	74.40	
Heating Oil DSI	64.00	66.40			Gold DSI	84	90	J. M
Crude Oil DSI	65.00	68.40			SPX DSI		82.8	ALCOHOLD CO.
Mexican Peso DSI	66.00	63.60			Silver DSI		91.2	
5YR DSI	71.00	71.60			Cattle DSI	87	84.2	ALL CALL
10Y DSI	72.00	77.60			Lumber DSI	91	89.2	

Source: trade-futures.com

Above is the DSI score for each of the futures markets.







Optuma optuma.com

9th Aug 2020









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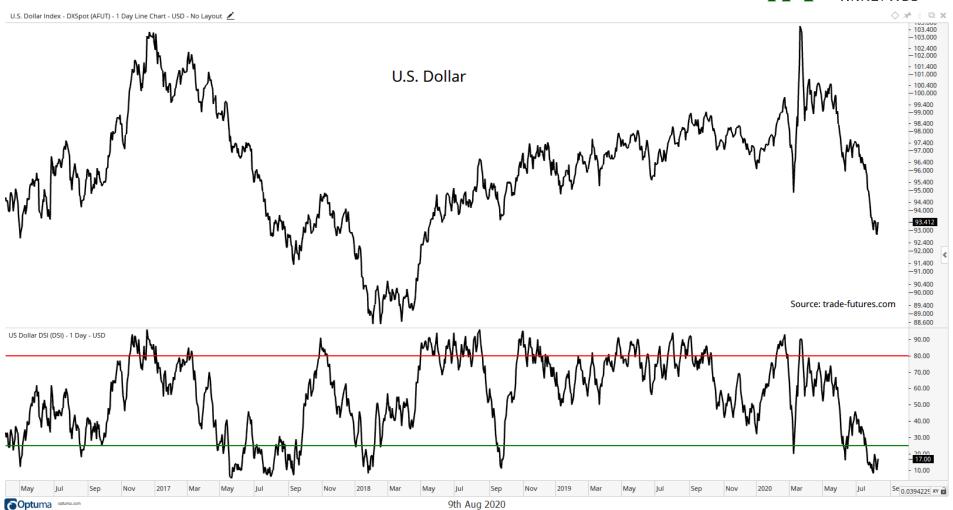


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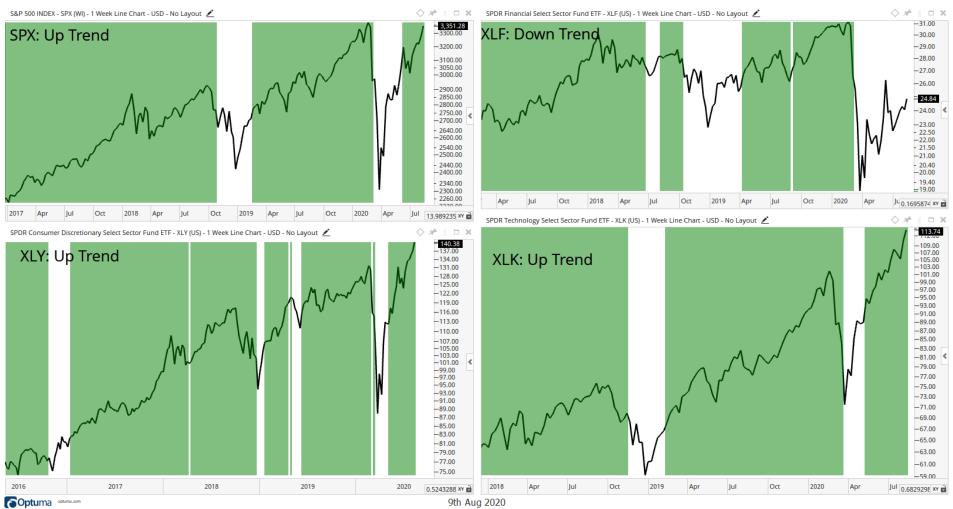




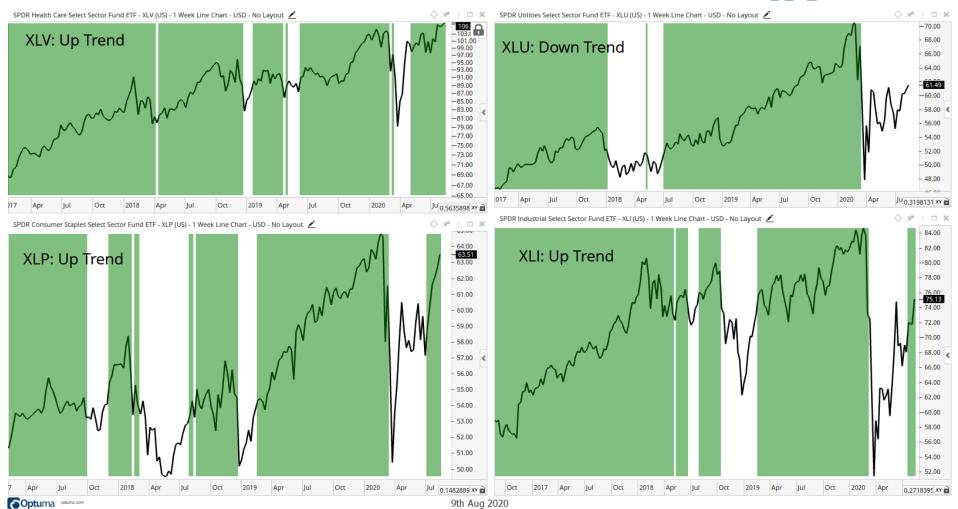


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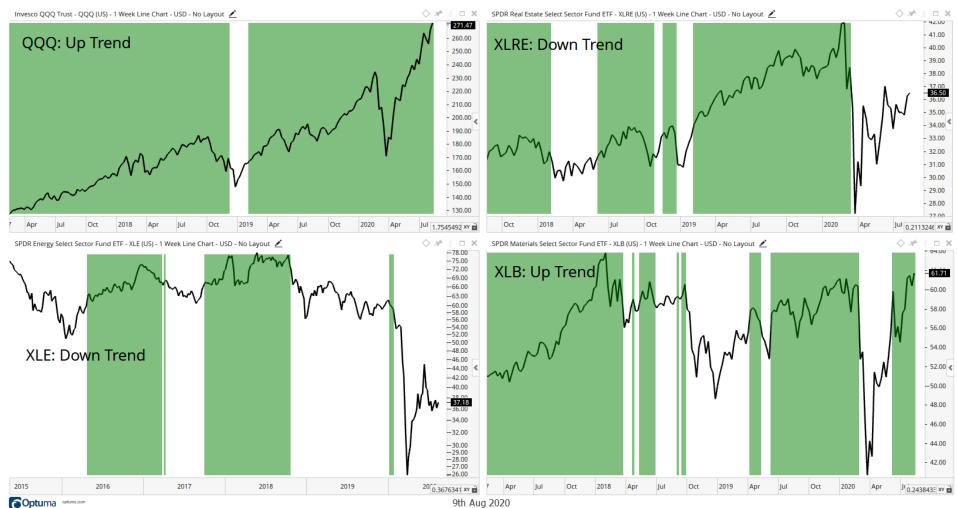
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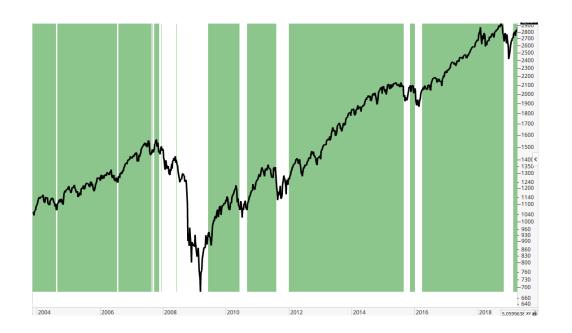


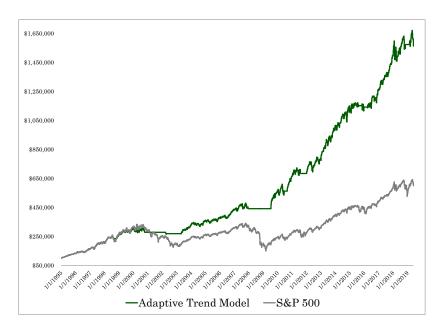


Trend-based analysis is a process built on the idea of enduring minor pullbacks in the anticipating of avoiding protracted drawdowns in financial markets. With a focus on stepping out of the market during large down trends, the Thrasher Analytics Adaptive Trend Model (TAATM) pursues to minimize the "whipsaws" of signals during highly volatile periods of market activity. To accomplish this, TAATM incorporates multiple look-back time periods and incorporates volatility gauges in its evaluation of the equity market's overall trend.

Thrasher Analytics analysis concludes the market's trend is led by the resulting trend of its individual stocks. This means, if the majority of stocks are trending in one direction, then the broad index will be persuaded to follow that trend as well. By incorporating the individual stock trends, volatility, and multiple time periods, the TAATM provides a data-focused look at the overall trend of the U.S. equity market.







	Annualized Return	Annualized Volatility	Beta	Sharpe	Maximum Drawdown
Adaptive	12.5%	10.3%	0.47	0.97	14.1%
S&P 500	8.9%	15.3%	1	0.42	56.6%

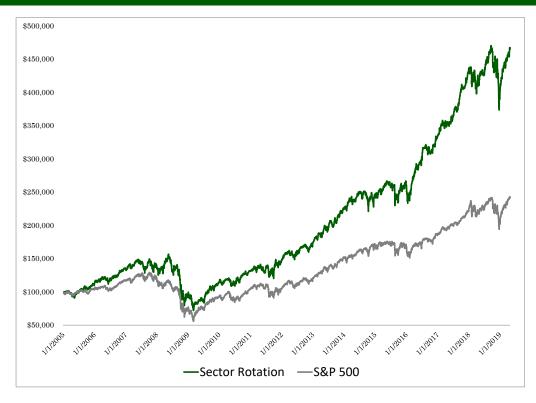
Provided charts, data, and descriptions are a result of a back test using historical market data. No representation is being made that the use of this strategy or any system or data will generate profits. The results do not represent actual results and actual results may significantly differ from the theoretical returns being presented.

Please see complete disclosure for additional information.



hrasher Analytics holds the belief, resulted from an in-depth examination of the performance of the primary S&P sectors, that they historically cycle through periods of strength and weakness. In order to move towards capturing the alpha from this rotation, a mean-reversion model is deployed with a monthly rebalance of the lowest scoring sectors. Using proprietary methods of systematic technical analysis, Thrasher Analytics sector rotation model focuses on equity sectors that are most heavily showing signs of volatility and trend exhaustion and likely to be exposed to a positive shift in investor sentiment. By pairing this mean reversion approach towards sectors with the Adaptive Trend Model for the broad index, a layer of risk management can be achieved through strategy diversification.





	Annualized Return	Annualized Volatility	Beta	Sharpe	Maximum Drawdown
Sector	12.7%	15.9%	0.96	0.64	53.9%
S&P 500	7.5%	14.8%	1	0.34	56.6%

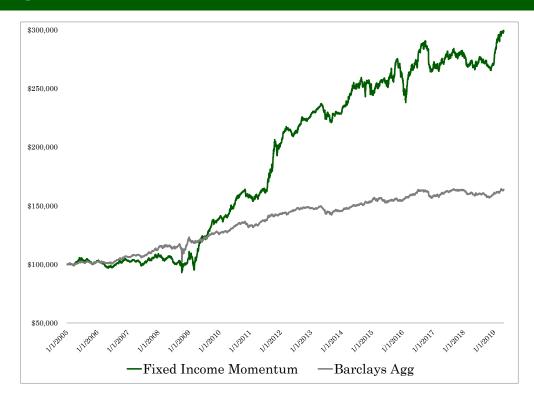
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Lf equities are the speedboats in the sea of financial markets then fixed income securities are the tanker ships. While stocks can move violently in both directions, Thrasher Analytics research has shown that fixed income markets historically show consistent trends. Because of the tanker-like movements displayed by bonds, a quarterly rebalance method is used for the Thrasher Analytics Fixed Income Momentum Model, with a pursuit focusing on the strongest performing corners of the fixed income market. By evaluating the risk adjusted momentum of both longand short-term momentum, the Fixed Income Momentum Model also incorporates a proprietary indicator that acts as a throttle of the momentum score of each fixed income ETF. This indicator penalizes those ETFs that have moved too high and too fast in short-term trading while still allowing overall positive momentum to be the guiding principle of the model.





	Annualized Return	Annualized Volatility	Beta	Sharpe	Maximum Drawdown
Fixed Income	8.3%	8.2%	1.04	0.7	14.9%
Barclays Agg	3.6%	3.7%	1	0.29	11.0%

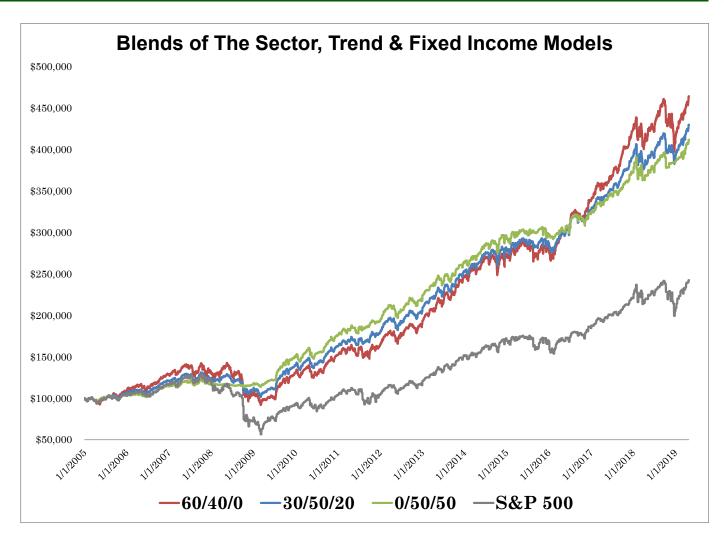
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The concept of diversification is not new to financial markets. While many market participants focus on the diversification of the underlying holdings. This procedure is can be vastly skewed during periods of high market turmoil, in which correlations across asset classes tend to historically rise. Thrasher Analytics believes in diversifying in strategy styles. By using multiple investment philosophies, specifically trend following, mean-reversion, and momentum, a blended model is created that has the ability to adapt to changing market environments and volatility. For example, when equity markets show a strong trend preference, the adaptive S&P 500 trend following component benefits but if there's a shift favoring a range-bound market the sector rotation strategy based on mean-reversion should provide favorable performance.





The above chart shows examples of blending the sector, trend, and fixed income models. Ranging from an all equity approach of 60% in sector rotation, 40% trend and 0% in fixed income; 30% in sector rotation, 50% in trend, and 20% in fixed income; 0% in sector rotation, 50% in trend, and 50% in fixed income.

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Trend (weekly)	Sector Rotation (monthly)	Fixed Income Momentum (quarterly)
Positive	XLK XLY XLC	MUB HYG

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Please see complete disclosure for additional information.

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