

EBITDA And The Warnings Of Charlie Munger

? At a Glance

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? Ask a Question

Have a question about the markets, your portfolio, or a topic you?d like us to cover in a future newsletter?

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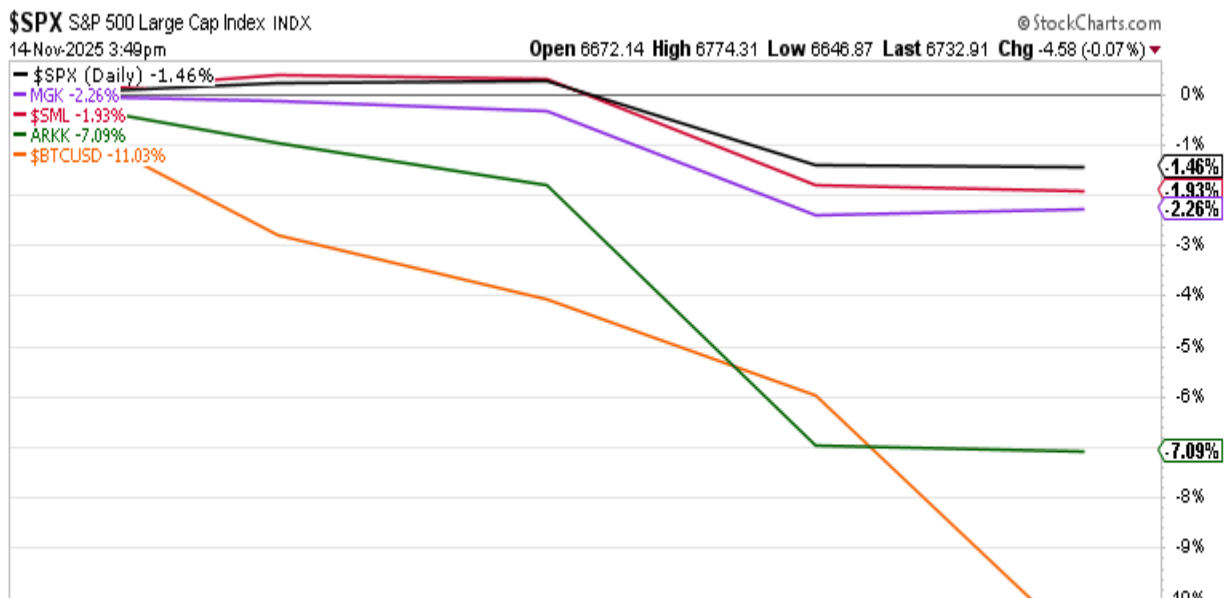
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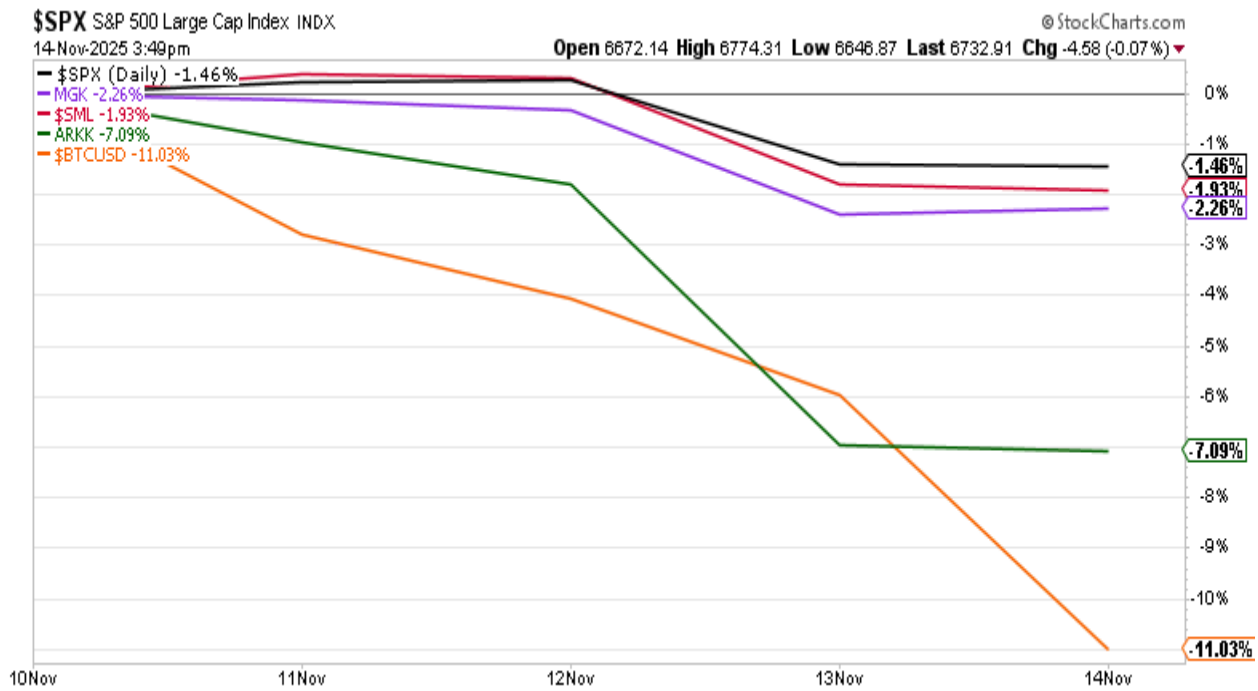
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?? Market Brief ? Tech Cracks As Momentum Breaks

This past week saw the most pronounced and coordinated rotation away from high-beta assets that we?ve experienced all year. What began as routine profit-taking in a handful of large-cap technology and AI names quickly evolved into a broad, organized risk-off event that stretched across the market. Mega-cap technology, which has been the driving force behind the market?s advance, fell sharply as momentum strategies encountered their first significant hurdle in months. But the pressure wasn?t isolated there: **Bitcoin, small caps, unprofitable tech, and retail-favorite thematic ETFs** all joined the selloff, confirming that this was not merely a sector wobble but a complete risk reset.





Several drivers converged to accelerate the reversal. First, positioning had become extreme as retail traders, systematic funds, and momentum-chasing quantitative models were all heavily concentrated in the same pockets of the market, or rather, in anything with a high *AI beta*. According to multiple quant desks, this left the group vulnerable to even a small change in liquidity or sentiment. Therefore, once selling began, algorithms flipped from buying strength to selling weakness, creating a feedback loop.

Secondly, the liquidity backdrop has been shifting. [As we discussed in last week's report](#), when short-term funding markets tighten at the margin, the most expensive and speculative assets typically suffer first. Bitcoin's sharp reversal, mirroring the selloff in high-growth tech, was a clear example of *liquidation behavior*, not a fundamental reassessment of AI technology. Similarly, small caps dropped more than the S&P 500, reflecting tightening financial conditions and growing concerns about refinancing risk heading into year-end.

Finally, the market appears to be confronting the reality that AI-related earnings, while strong, may not keep pace with the extreme valuations and narrative premium that built up through summer. As we have warned for quite some time, when expectations become too elevated the market needs constant upside surprises to maintain momentum. **This week, that dynamic broke.**

The critical takeaway, however, is that this is still rotation, not collapse. We have discussed for the last several weeks why maintaining some *defensive* positioning in portfolios was crucial. We also noted several times that the extreme overbought conditions in technology, as opposed to deep oversold conditions in defensive areas, was a good setup for a short-term rotation. That rotation occurred this week, as I noted on Friday.

About a month ago in the [#BullBearReport](#) we noted that Technology, Retail Favorites, and Megacap growth stocks were EXTREMELY overbought and due for a correction.

That has now happened, and while not yet extremely oversold, that rotation is well underway.

h/t? pic.twitter.com/uHA31qSxHH

As noted, there is likely more work to be done, but we have already made significant progress through the correction process.

Let's review the technical backdrop.

?Technical Backdrop ? Breadth Tumbles

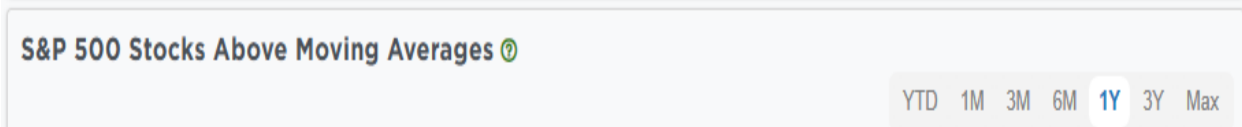
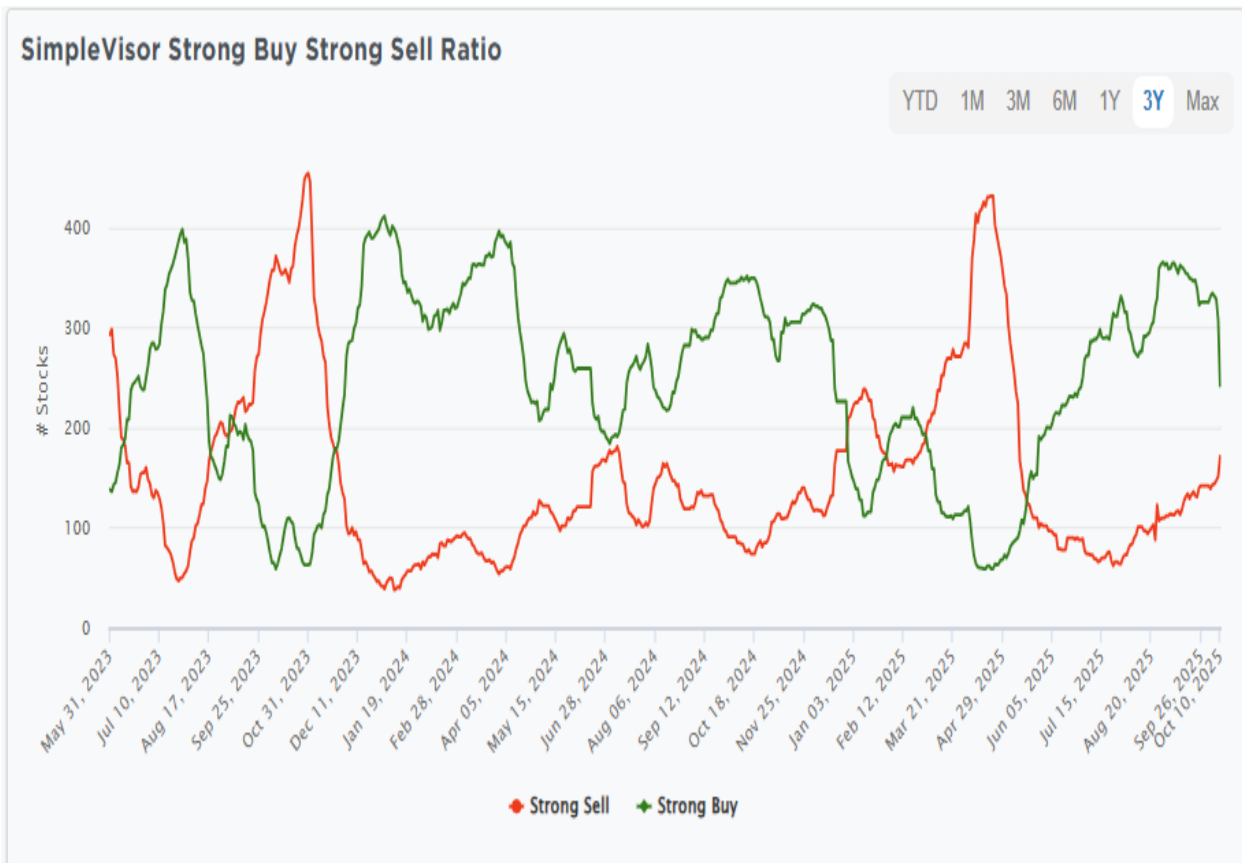
Despite the sharp selloff in leadership sectors, the broader technical picture remains constructive, although the fragility beneath the surface persists.

On Friday, the market closed well off its opening lows, with the market holding support at the 50-day moving average (DMA) as buyers stepped in once again to *buy the dip*. Overall, despite the consistent bearish drumbeat of headlines this past week, the S&P 500 remains within striking distance of all-time highs, and its primary moving averages are trending bullishly. The market remains in an uptrend from the April lows. While the broader bullish case remains intact, investors should monitor the subtle rise in volatility (*as indicated by the VIX*). As we saw at the beginning of the year, the VIX had bottomed and then began trending higher, along with more significant market swings, until the breakdown in late March and April. We are again observing the same pattern of a rising VIX trend, accompanied by more volatile market behavior.

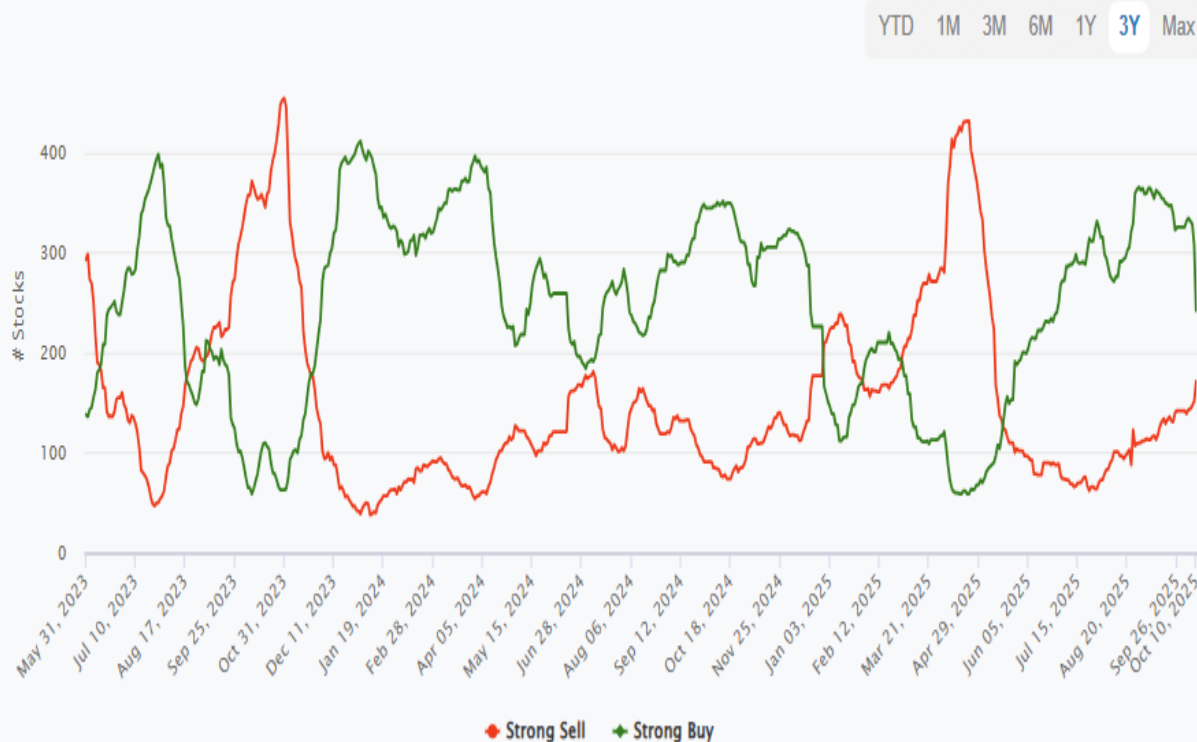




Market internals remain very weak. As shown, the number of stocks signaling a *strong buy* is dropping sharply, while those technically triggering *strong sell* signals are rising. Furthermore, the percentage of stocks trading above key moving averages continues to decline. While these measures do not mean a crash is imminent, it does suggest that investors remain a bit more cautious with their risk exposures.



SimpleVisor Strong Buy Strong Sell Ratio



S&P 500 Stocks Above Moving Averages



Lastly, decliners outpaced advancers even on days when the S&P 500 held up, indicating that performance is once again narrowing rather than broadening, as momentum indicators rolled over sharply in technology, communication services, and semiconductors. As noted above, the **factor rotation** was especially striking. High-beta, high-momentum, and growth-at-any-price factors all suffered some of their worst relative performance in months. Meanwhile, traditionally defensive sectors like healthcare, utilities, and consumer staples outperformed, a reversal that historically

occurs at inflection points, not in the middle of a strong bull market.

A few additional technical observations are worth noting:

- **Bitcoin's correlation with high-beta tech spiked**, reinforcing the idea that the selloff was liquidity-driven rather than thematic.
- **Small-cap underperformance widened**, with the Russell 2000 breaking down relative to the S&P 500—a signal often indicative of risk aversion in the early stages.
- **Several widely watched AI stocks triggered short-term momentum sell signals**, breaking below medium-term trend channels for the first time since spring.

Support and Resistance Levels

- **Primary Resistance:** ~6,850-6,900 (top of the rising trend channel and previous highs)
- **Initial Resistance:** ~6,794 (approximate 20-day moving average)
- **Initial Support:** ~6,704 (approximate 50-day moving average)
- **Primary Support:** ~6,527 (100-day moving average)
- **Critical Support:** ~6,148 (200-day moving average)

The bull trend remains intact, but as noted, the character of the market is changing. Last week's coordinated risk-off event was the first real sign that **tech's dominance is no longer unquestioned**. This is not a reason to panic, but it *is* a reason to tighten risk management, reduce concentration risk, and prepare for an environment where leadership becomes more rotational and less predictable.

? Key Catalysts Next Week

With the federal government reopening after the most extended shutdown in U.S. history, markets face a dual shock: a flood of previously delayed data scheduled for release and lingering uncertainty over whether those releases will be clean or meaningfully compromised. The reopening brings relief, but analysts warn that many critical datasets, especially from labor and inflation categories, may never be fully released or may be heavily revised, forcing investors and policymakers to operate with imperfect information. Against this backdrop, next week's data will not only reflect the current economic environment but also how well the statistical agencies can respond and restore confidence in the system.

Economic & Corporate Event Calendar — Nov 17-21, 2025

| Date | Time (ET) | Event | Why It Matters |
|-------------|-------------|--|--|
| Mon, Nov 17 | 8:30 am | Empire State Manufacturing Survey (Nov) | Early read on manufacturing health and pricing pressure. |
| | 10:00 am | August Construction Spending (Delayed Data) | Shutdown-delayed release; important for capex trends and economic activity. |
| Tue, Nov 18 | 8:30 am | U.S. Import & Export Price Indexes (Oct) | Key for imported inflation trends and Fed policy expectations. |
| | 9:15 am | Industrial Production & Capacity Utilization (Oct) | Measures production momentum and economic slack. |
| Wed, Nov 19 | 8:30 am | Housing Starts & Building Permits (Oct) | Housing's sensitivity to interest rates makes this critical for growth expectations. |
| | After Close | NVIDIA (NVDA) Earnings - Q3 FY2026 | The most important corporate event of the week; critical for AI, tech, and broad |

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| Thu, Nov 20 | 8:30 am | Philadelphia Fed Manufacturing Index (Nov) | Regional manufacturing and order-flow signal. |
| | 10:00 am | Conference Board Leading Economic Index (Oct) | Composite indicator that turns ahead of the economy—important for recession risk. |
| Fri, Nov 21 | 10:00 am | University of Michigan Consumer Sentiment (Nov – Final) | Consumer expectations and inflation sentiment heading into holiday spending season. |

Trade accordingly.

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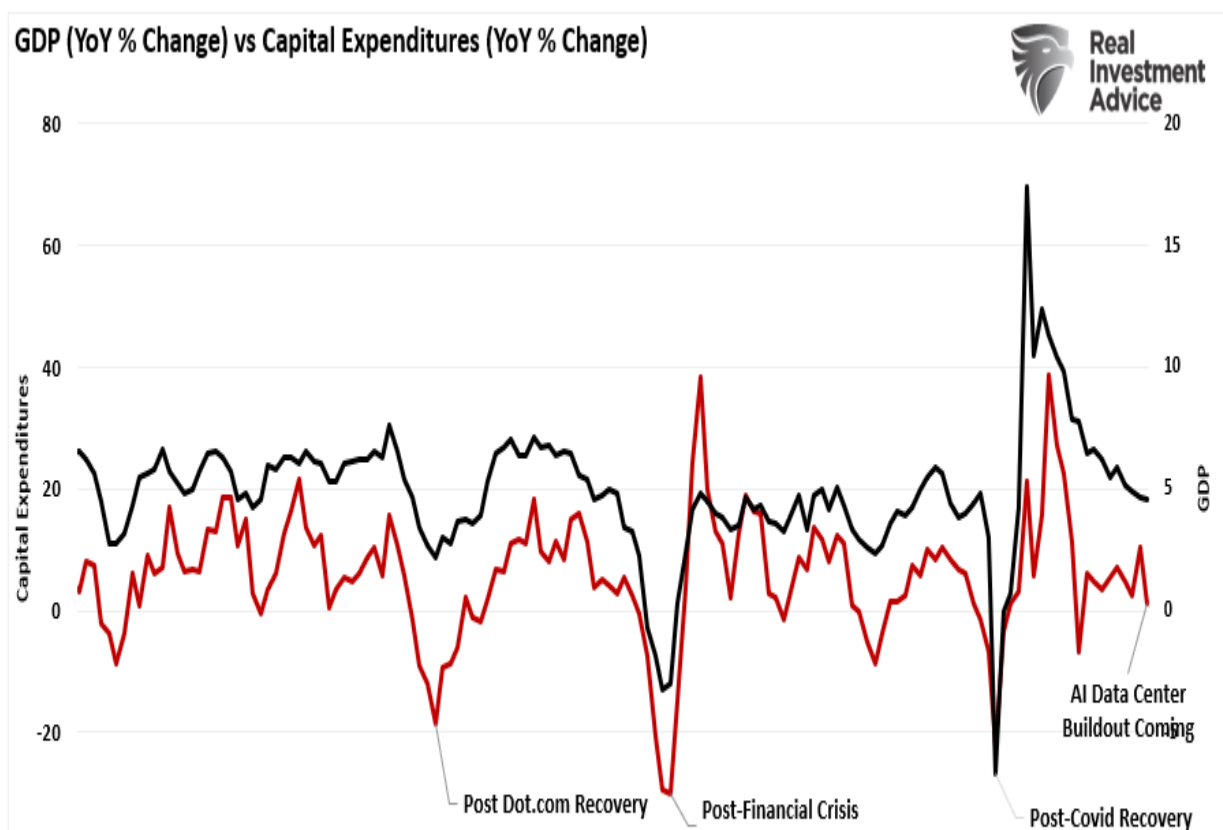
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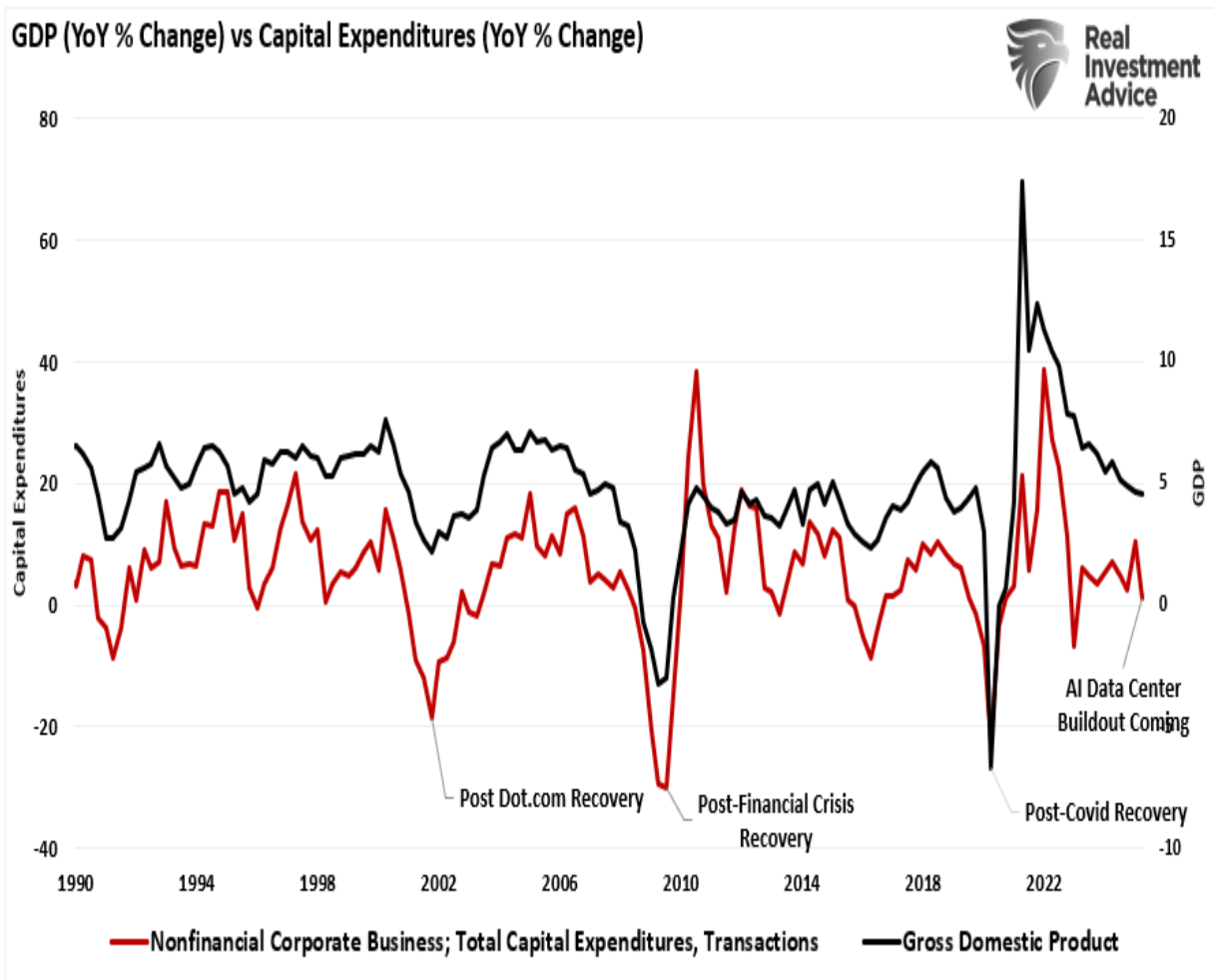
? Why EBITDA Misleads Investors

This past week, Greg Feirman wrote an interesting article about [?The Perils Of Adjusted EBITDA.?](#) Before we get into his discussion, let?s discuss what EBITDA is.

EBITDA is an acronym that stands for *?Earnings Before Interest, Taxes, Depreciation, and Amortization.?* Over the years, EBITDA has become a go-to metric for evaluating corporate performance as it offers a simple way to assess a company?s profitability by removing non-cash charges and financing effects. However, the problem with EBITDA is that simplicity often comes at the cost of accuracy. Why do I say that? **Because EBITDA ignores critical costs, such as depreciation, which can distort a company?s true economic picture in capital-intensive industries. When companies extend the lives of their assets to reduce depreciation expenses, EBITDA increases, even though the underlying cash outflows remain unchanged.**

Read that last part again, because this is where Greg?s commentary hits home. Historically, capital expenditures tend to surge following recessions and economic downturns. This makes sense as companies expend capital to ramp up production as economic growth returns. You will notice a high correlation between economic and capital expenditures (CapEx) growth rates. Notably, this is particularly relevant in the AI sector, where firms are investing billions into chips, servers, and data centers, which will likely coincide with an increase in economic activity.





This is also where Greg's comments are most relevant.

*On Monday morning, Michael Burry tweeted out more details about his AI Bubble thesis. He claims that the AI hyperscalers are understating depreciation by extending the period over which they are depreciating the Nvidia chips and all the other capital equipment they are buying to build out AI. This morning Jim Chanos applied the same logic to CoreWeave (CRWV). **The first thing to understand is that Net Income is an accounting number. It is not the amount of cash that the company actually earns because it reflects certain approximations - one of the most important of which is depreciation.***

As Greg notes, a good example is CoreWeave (CRWV), which reported earnings this past week.

*Adjusted EBITDA more than doubled to \$838 million from \$379 million a year ago. On the surface, then, they are a profitable company - at least on this metric. **But they backed out \$630 billion in Depreciation and Amortization from their GAAP Net Loss of \$110 million to arrive at that number.** It's only when we turn to the Cash Flow statement that we understand the how CoreWeave is financing their operations. Cash Flow from Operations in the first 9 months of 2025 was \$1.5 billion. CapEx was \$6.25 billion. Those are cash figures, not accounting ones. In other words, Free Cash Flow for the first nine months of the year was -\$4.75 billion. That's right: CRWV has burned up nearly \$5 billion so far this year. How are they financing this? By selling debt. Essentially the whole difference is made up by their net debt issuance of ~\$4.5 billion.*

This reveals the disconnect: EBITDA suggests *operating profitability looks good,* but the cash flow dynamics tell a very different story. If you rely only on EBITDA, you may miss the fact that the business is burning cash, depending on borrowing, or stretching asset lives unrealistically.

As Greg concluded:

Clearly, the hyperscalers are spending an enormous amount of money on Nvidia chips and the other capital equipment required to build out AI. Their thesis is that the ROI on these investments over the long term will be excellent. If AI is truly the game changer many say it is, the returns may well outweigh any current concerns about the accounting. If not, a lot of this CapEx may be malinvestment and have to be written down in the future.

The overall point is that we are operating in the dark here because we don't know the future returns on investment and we don't know the appropriate rate to depreciate these huge Capital Expenditures to get the right Net Income numbers in the present.

This is why investors need to be more realistic about understanding earnings reports and be cautious of the metrics they use to invest in companies. There are several pitfalls associated with EBITDA that you should be aware of. For example:

- *It ignores capital expenditures (CapEx) and replacement needs.*
- *It omits changes in working capital such as inventory, receivables, and payables which can erode cash even when EBITDA is positive.*
- *It may mask interest and debt burdens two very real cash drains. Since interest is excluded, two companies with similar EBITDA may have vastly different risk profiles.*
- *It allows for subjective adjustments (adjusted EBITDA) that reduce comparability across companies and time periods.*
- *It may mislead in asset-intensive sectors where hidden replacement or upgrade costs are large.*

However, it isn't just EBITDA, but earnings in general, that require closer inspection.

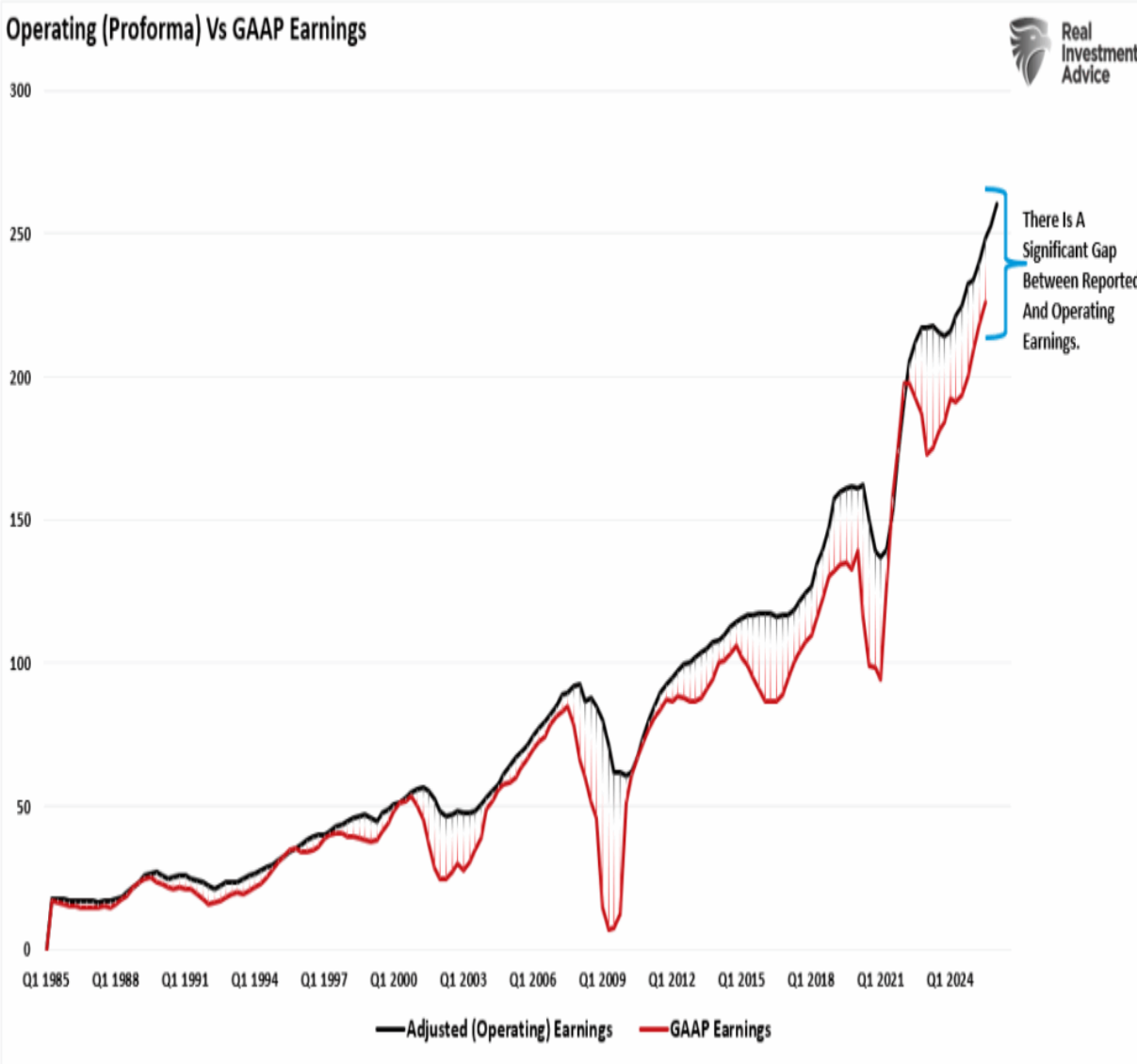
Earnings Aren't What You Think

Just like the hit series *House of Cards*, Wall Street earnings season has become rife with manipulation, deceit, and obfuscation that could rival the dark corners of Washington, D.C. What is most fascinating is that so many individuals invest hard-earned capital based on these manipulated numbers. **The failure to understand the quality of earnings, rather than the quantity, has always led to disappointing outcomes at some point in the future.**

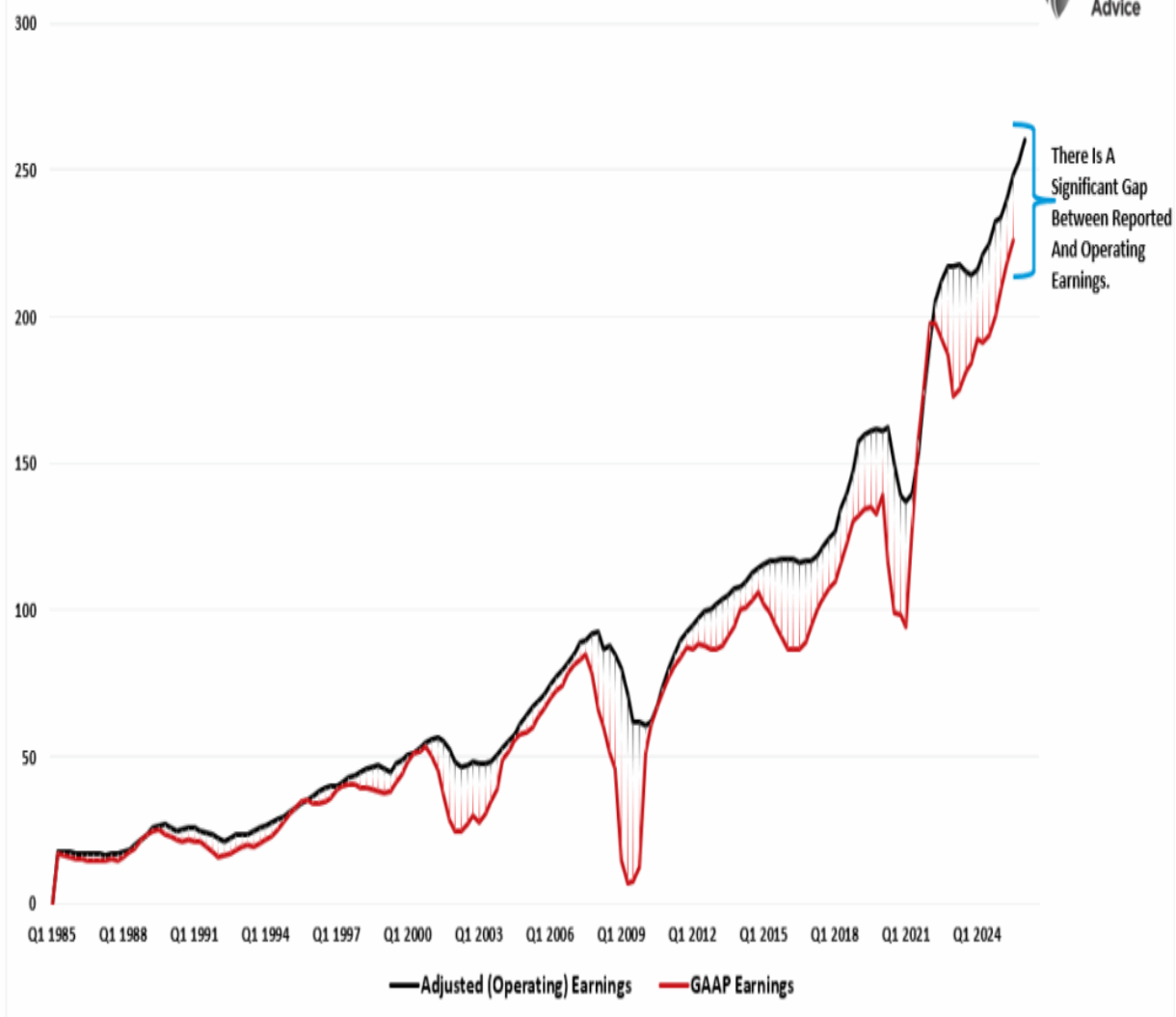
As Drew Bernstein recently penned [for CFO.com](#):

Non-GAAP financials are not audited and are most often disclosed through earnings press releases and investor presentations, rather than in the company's annual report filed with the Securities and Exchange Commission.

Once upon a time, non-GAAP financials were used to isolate the impact of significant one-time events like a major restructuring or sizable acquisition. In recent years, they have become increasingly prevalent and prominent, used by both the shiniest new-economy IPO companies and the old-economy stalwarts.?



Operating (Proforma) Vs GAAP Earnings



In the 1980s and early 1990s, companies typically reported GAAP earnings in their quarterly releases. If an investor dug through the report, they would find *adjusted* and *pro forma* earnings buried in the back. **Today, GAAP earnings are buried in the back, hoping investors will miss the ugly truth.**

These *adjusted or pro forma earnings* exclude items that a company deems *special, one-time, or extraordinary*. The problem is that these *special, one-time* items appear *every* quarter, leaving investors with a muddier picture of what companies are really making. **This growing divergence between the earnings calculated according to accepted accounting principles and the *earnings* touted in press releases and analyst research reports has put investors at a disadvantage in understanding precisely what they are paying for.**

As BofAML stated:

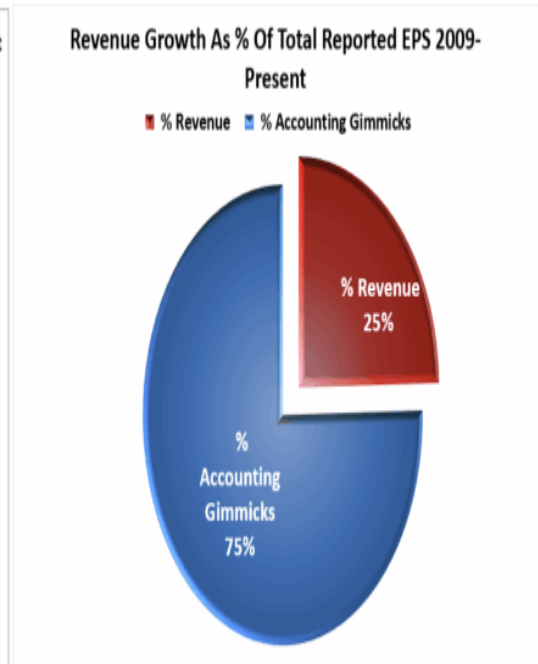
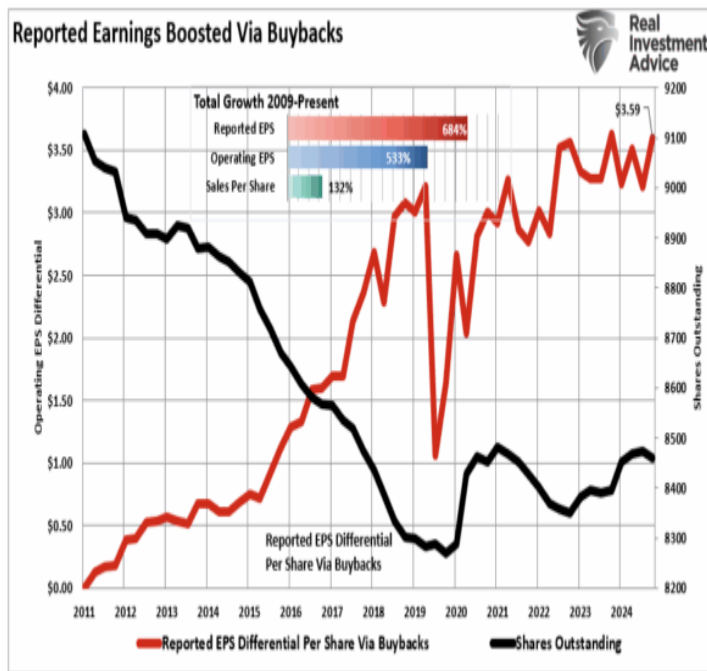
We are increasingly concerned with the number of companies (non-commodity) reporting earnings on an adjusted basis versus those that are stressing GAAP accounting, and find the divergence a consequence of less earnings power.

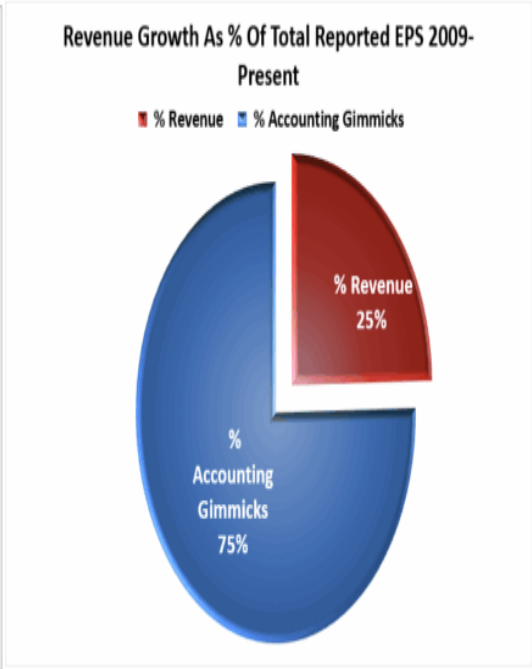
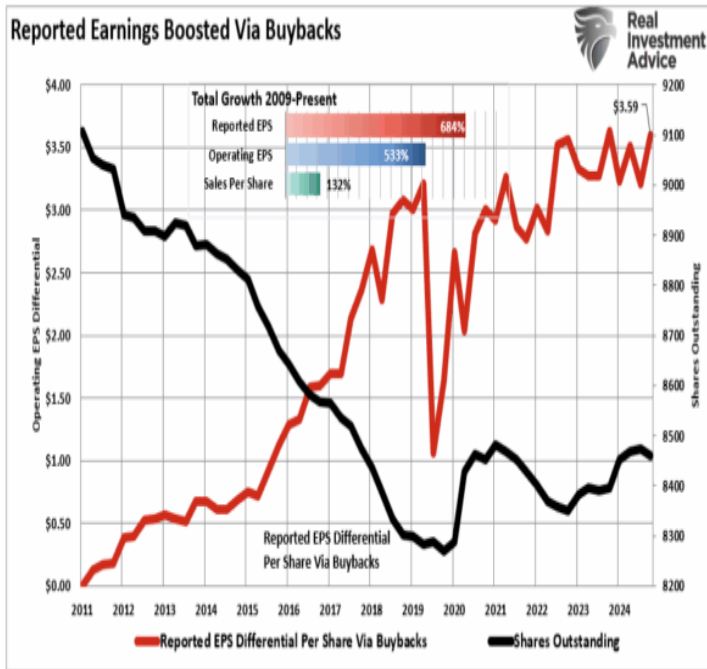
Consider that when US GDP growth was averaging 3% (the 5 quarters September 2013 through September 2014); on average 80% of US HY companies reported earnings on an adjusted basis. Since September 2014, however, with US GDP averaging just 1.9%, over 87% of companies have reported on an adjusted basis. Perhaps even more telling, between the end of 2010 and 2013, the percentage of companies reporting adjusted EBITDA was relatively constant, and since 2013, the number has been on a steady rise.

So, why do companies regularly report these Non-GAAP earnings? Drew has the answer:

When management is asked why they resort to non-GAAP reporting, the most common response is that these measures are requested by the analysts and are commonly used in earnings models employed to value the company. Indeed, sell-side analysts and funds with a long position in the stock may have incentives to encourage a more favorable alternative presentation of earnings results.?

How much of a difference are we talking about? About \$3.59/share in earnings, where revenue comprises only about 25% of the result.





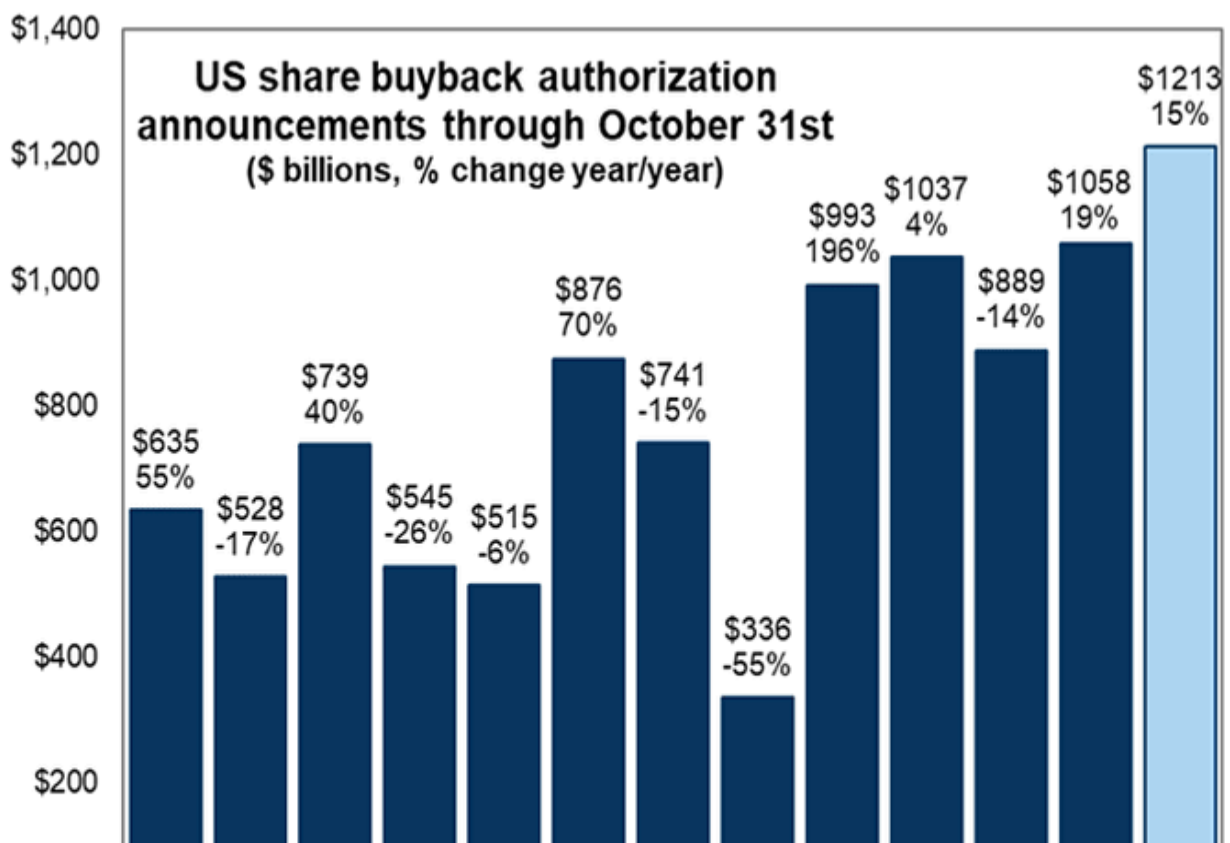
But here is the real question:

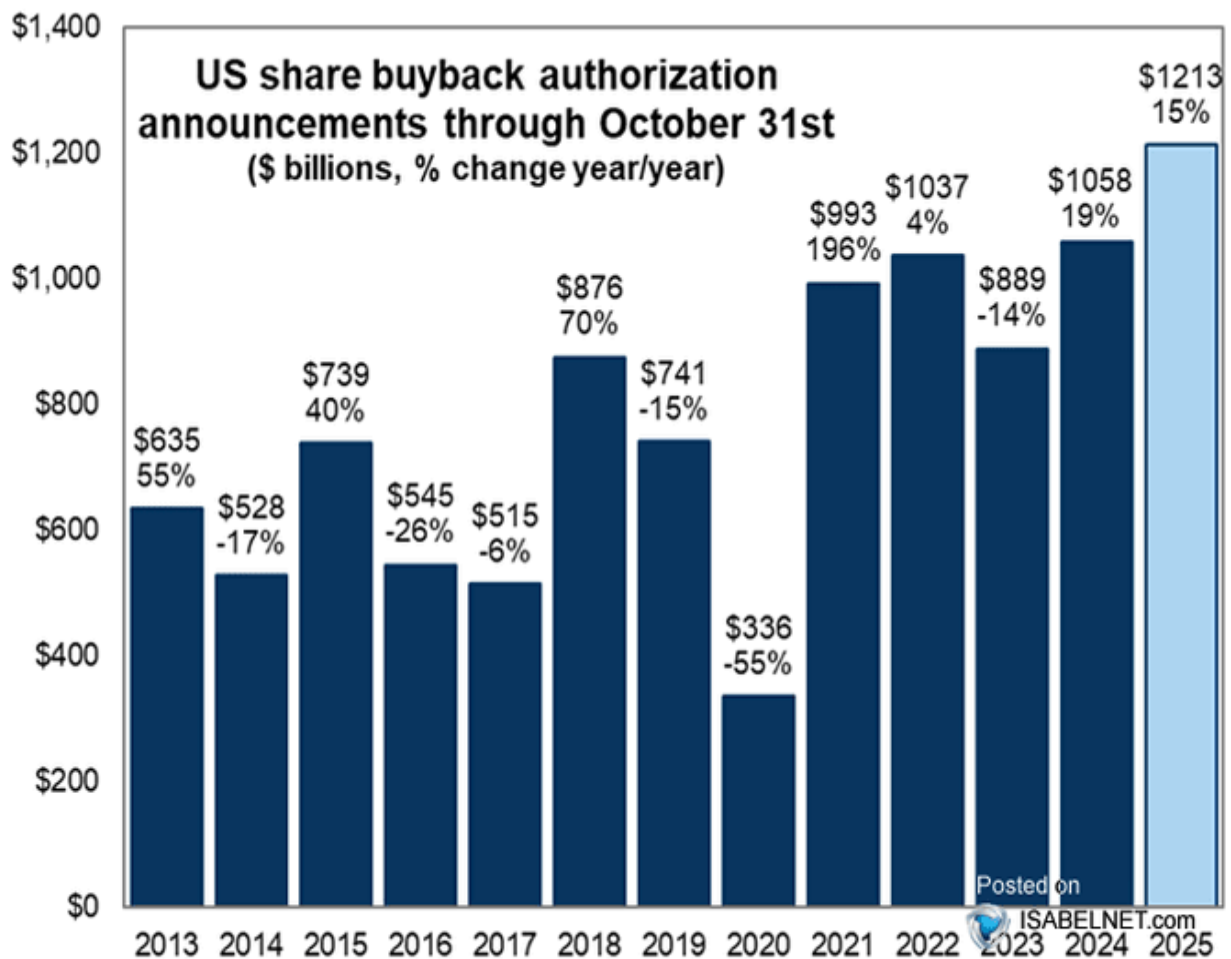
If non-GAAP reporting is used as a supplemental means to help investors identify underlying trends in the business, one might reasonably expect that both favorable and unfavorable events would be adjusted in equal measure.?

However, [research presented by the American Accounting Association](#) suggests that companies engage in asymmetric non-GAAP exclusions of mostly unfavorable items as a tool to beat analyst earnings estimates.

So, why has there been such a rise in all these accounting gimmicks? Money, of course.

Better Earnings = Higher Stock Prices = Higher Compensation via Stock Buybacks





Source: Goldman Sachs FICC and Equities, Goldman Sachs Global Investment Research

Why Munger Said ?EBITDA is Bulls***?

Wall Street is an insider system where the practice of legally manipulating earnings to create the best possible outcome and increase executive compensation has run amok. The adults in the room, a.k.a. the Securities & Exchange Commission, have left the children in charge, but will most assuredly leap into action to pass new regulations to rectify reckless misbehavior AFTER the next crash.

For investors, the manipulation of EBITDA and earnings not only skews valuation analysis but also specifically impacts any analysis involving earnings, such as P/E ratios, EV/EBITDA, and PEG.

[Ramy Elitzur, via The Account Art Of War](#), expounded on the problems of using EBITDA.

One of the things that I thought that I knew well was the importance of income-based metrics such as EBITDA, and that cash flow information is not as important. It turned out that common garden variety metrics, such as EBITDA, could be hazardous to your health.

The article is worth reading and chock-full of good information; however, here are the four crucial points:

1. **EBITDA is not a good surrogate for cash flow analysis because it assumes that all revenues are collected immediately and all expenses are paid immediately,**

leading to a false sense of liquidity.

2. **Superficial common garden-variety accounting ratios will fail to detect signs of liquidity problems.**
3. **Direct cash flow statements** provide a more detailed insight into the operating cash flows than indirect cash flow statements. **Note that the vast majority (well over 90%) of public companies use the indirect format.**
4. **EBITDA, just like net income, is very sensitive to accounting manipulations.**

The last point is the most critical. As [Charlie Munger](#) once stated:

*I think there are lots of troubles coming. There's too much wretched excess. I don't like when investment bankers talk about EBITDA, which I call bulls*** earnings. It's ridiculous. EBITDA does not accurately reflect how much money a company makes, unlike traditional earnings. Think of the basic intellectual dishonesty that comes when you start talking about adjusted EBITDA. You're almost announcing you're a flake.*

In a world of adjusted earnings, where every company consistently outperforms its peers, investors often lose sight of what truly matters in investing.

This unfortunate cycle will only be broken when the end-users of financial reporting – institutional investors, analysts, lenders, and the media – agree that we are on the verge of systemic failure in financial reporting. In the history of financial markets, such moments of mental clarity most often occur following the loss of vast sums of capital. American Accounting Association

Imaginary worlds are nice, but it's just impossible to live there.

Where To Look Instead

So, if operating earnings and EBITDA are enough, where should you look? The answer is to focus on metrics that reflect real cash generation and sustainable operations. **Free cash flow**, which is operating cash flow minus capital expenditures, is one of the most important. It shows what's left over after a business funds its maintenance and growth needs. A positive free cash flow tells you the company is generating more cash than it needs to sustain itself. A negative one warns that it's living on borrowed money.

You should also examine trends in working capital, specifically, changes in receivables, payables, and inventory, to determine if the company is overextending itself to maintain operations. Asset lives and depreciation schedules should be realistic, not inflated to improve margins. Debt levels and interest costs matter too. EBITDA ignores both, but if a company's cash flow can't cover its debt service, that's a red flag.

Here are the key metrics to prioritize over EBITDA:

- **Free Cash Flow** (operating cash flow minus CapEx)
- **CapEx trends** and whether they are delivering returns
- **Depreciation policy** and asset life assumptions
- **Working capital changes** in inventory, receivables, and payables
- **Debt and interest obligations**

- **Reconciliation of EBITDA to net income and cash flow**

When companies show a large gap between EBITDA and these real-world numbers, investors should be skeptical. In a capital-intensive sector like AI, where the future remains uncertain, the risks of relying on EBITDA are amplified. It may look clean on paper, but it can leave you blind to the business's real financial health.

? Tactical Investing Strategies When You Can't Rely On EBITDA

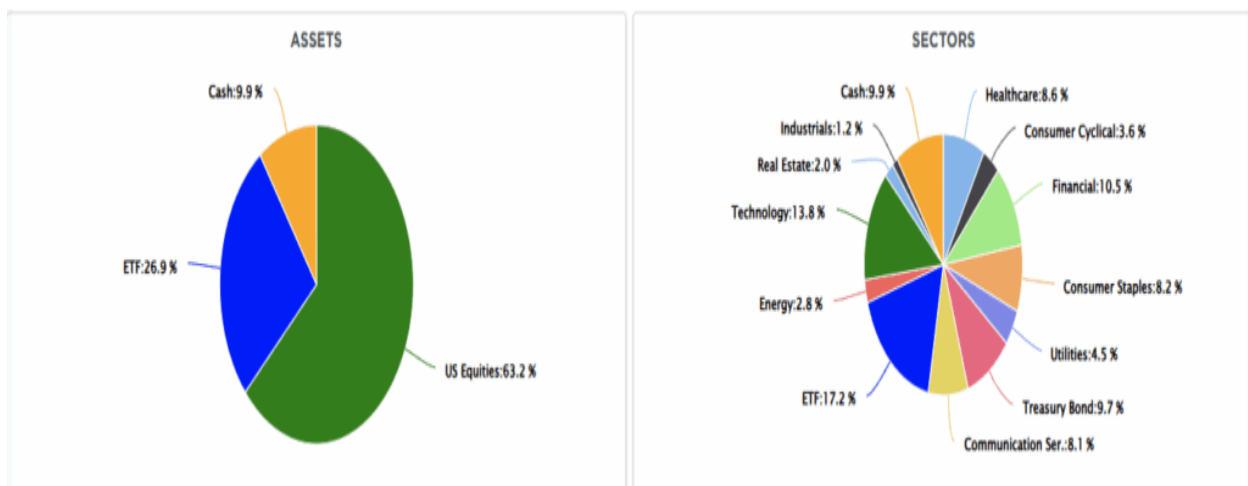
When earnings are manipulated and EBITDA is used to mislead investors, they need to rely on more reliable signals. In capital-intensive sectors like AI, where asset depreciation significantly impacts factors such as EBITDA, it is crucial to consider additional financial indicators to evaluate a company's financial health when investing.

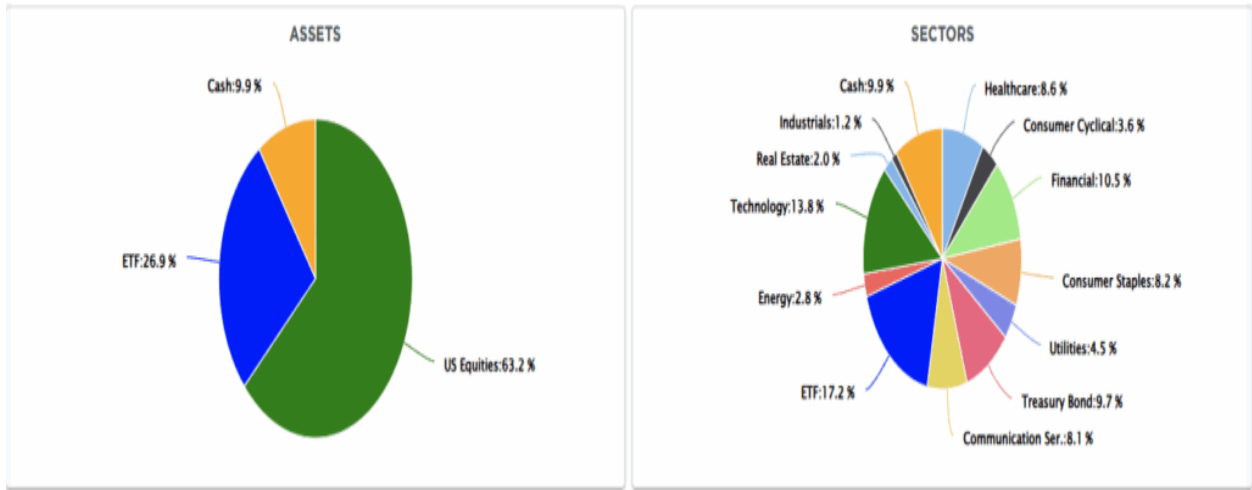
- **Free Cash Flow.** As noted, always check if the company generates real cash after capital expenditures. Positive free cash flow is essential. Negative flow, especially over multiple quarters, means the business is burning capital.
- **CapEx vs. Depreciation.** If capital expenditures far exceed depreciation, the business is highly asset-intensive. This requires constant reinvestment that EBITDA does not account for.
- **Debt and Interest Obligations.** Rising EBITDA alongside rising debt is a red flag. Verify whether operating cash is sufficient to cover interest payments and debt service.
- **Working Capital Trends.** Watch for growing receivables or inventory. These often indicate overstated revenues or unsustainable sales growth.
- **Return on Invested Capital (ROIC).** This demonstrates the company's efficiency in converting capital into profits. Strong ROIC is more meaningful than high margins alone.
- **Consistency in Metrics.** Frequent changes from GAAP to adjusted earnings to "core" metrics signal management is managing perception, not performance.
- **Self-Funding Business Model.** Ask: Can this company fund growth and operations from its own cash flows? If not, it's dependent on external capital and vulnerable.

This doesn't mean you should NOT invest in AI-related companies. There will undoubtedly be some massive long-term winners. However, as we saw during the Dot-com crash, many of Wall Street's "sweethearts" ultimately turned out to be "broken hearts" in the end.

Focus on protecting your capital, managing your risk, and returning to your fundamentals as they will eventually matter.

Trade accordingly.





?? From Lance's Desk

This week's [#MacroView](#) blog examines the potential for an economic reacceleration in 2026, which could bolster the current bullish narrative.

Economic Reacceleration: A Contrarian View



By Lance Roberts | Nov 14, 2025



Economic Reacceleration: A Contrarian View



By Lance Roberts | Nov 14, 2025



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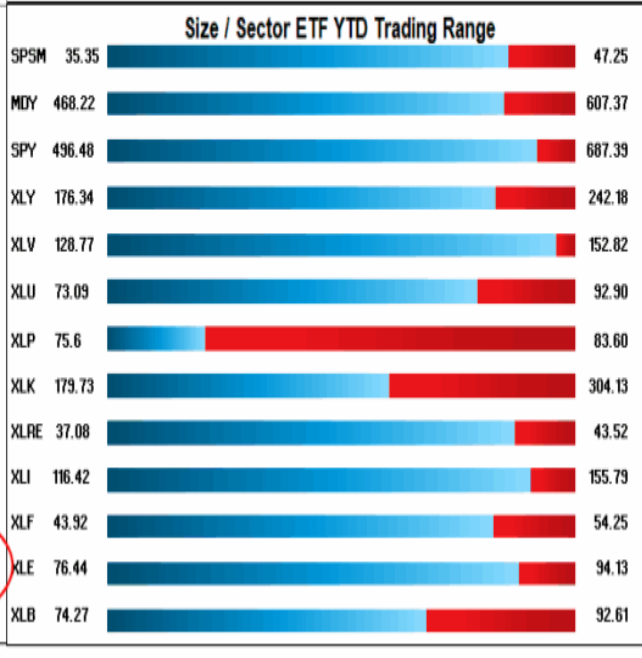
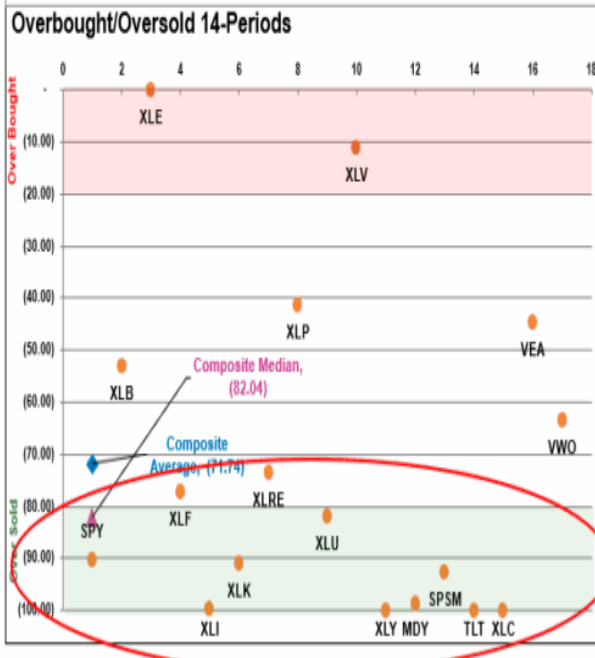
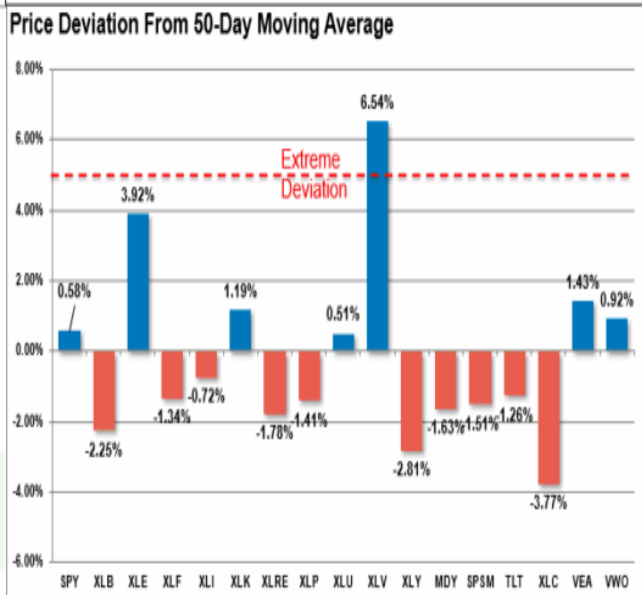
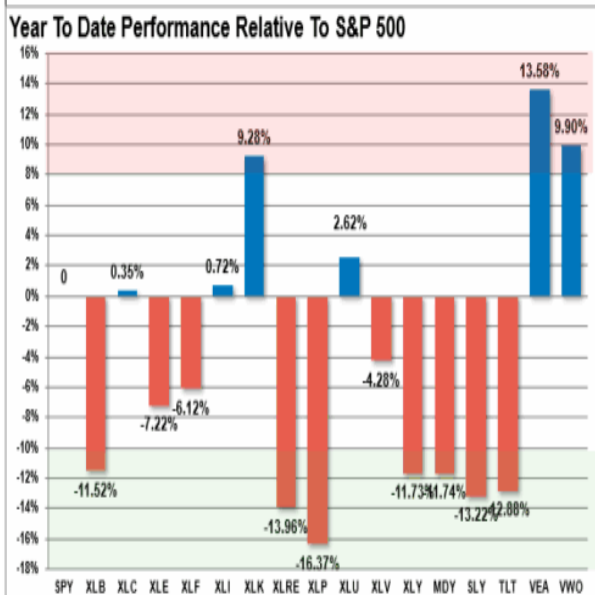
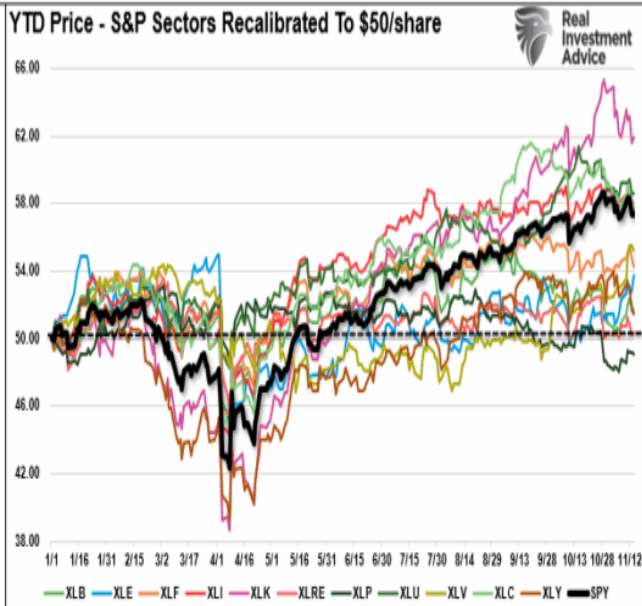
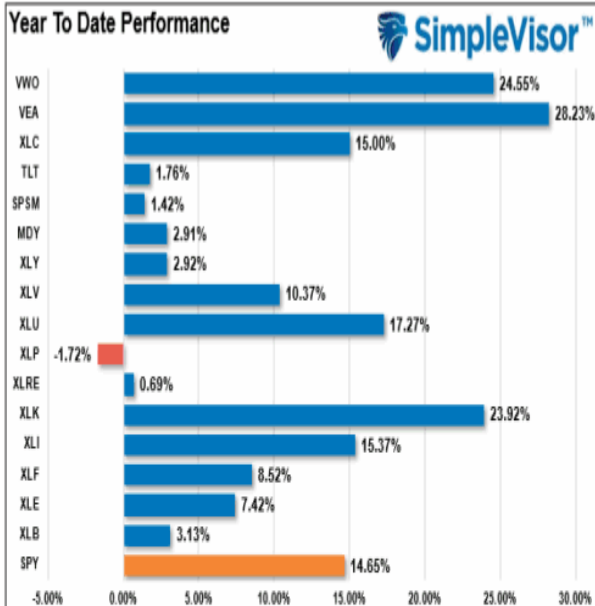
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Weekly technical overview across key sectors, risk indicators, and market internals

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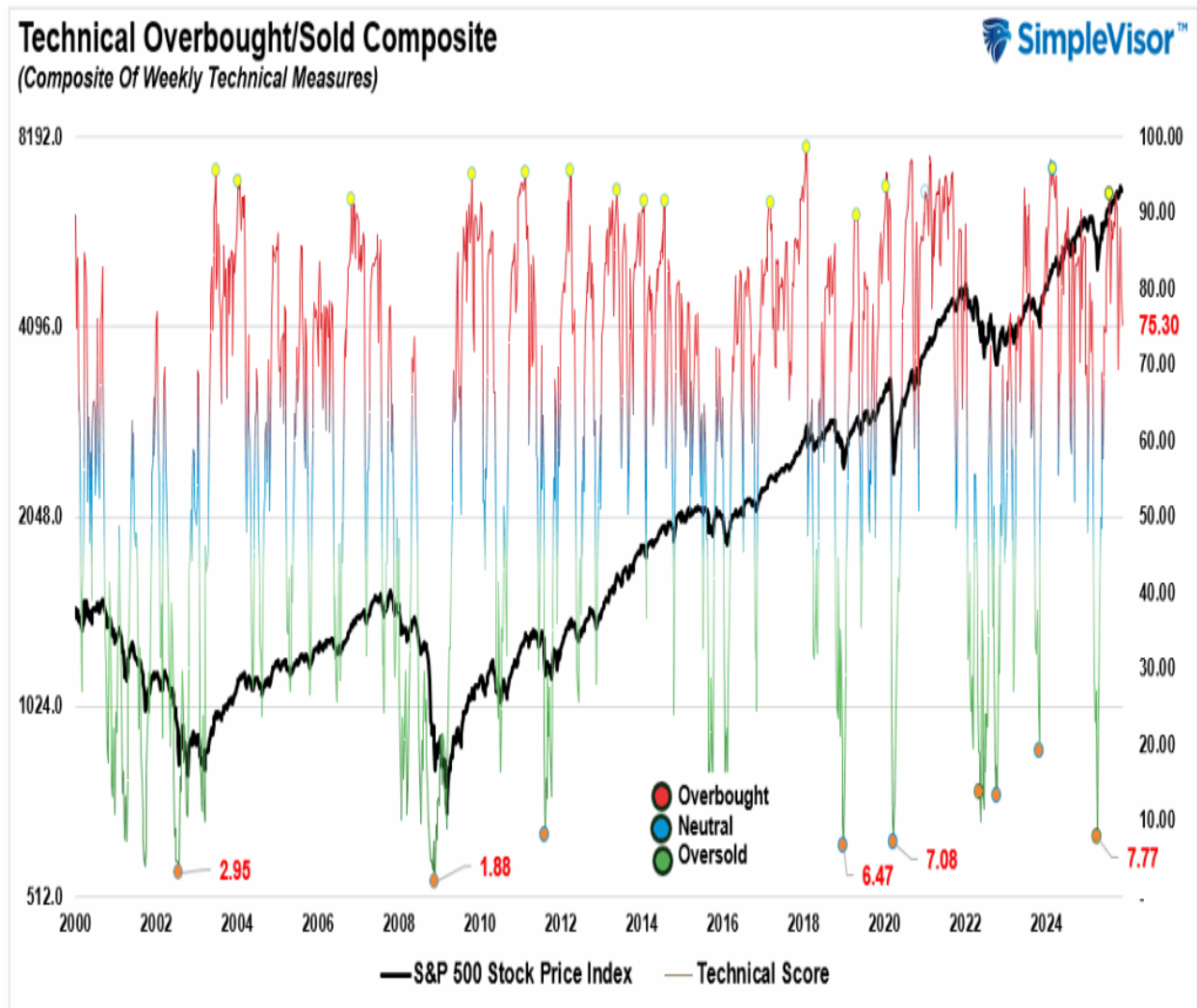
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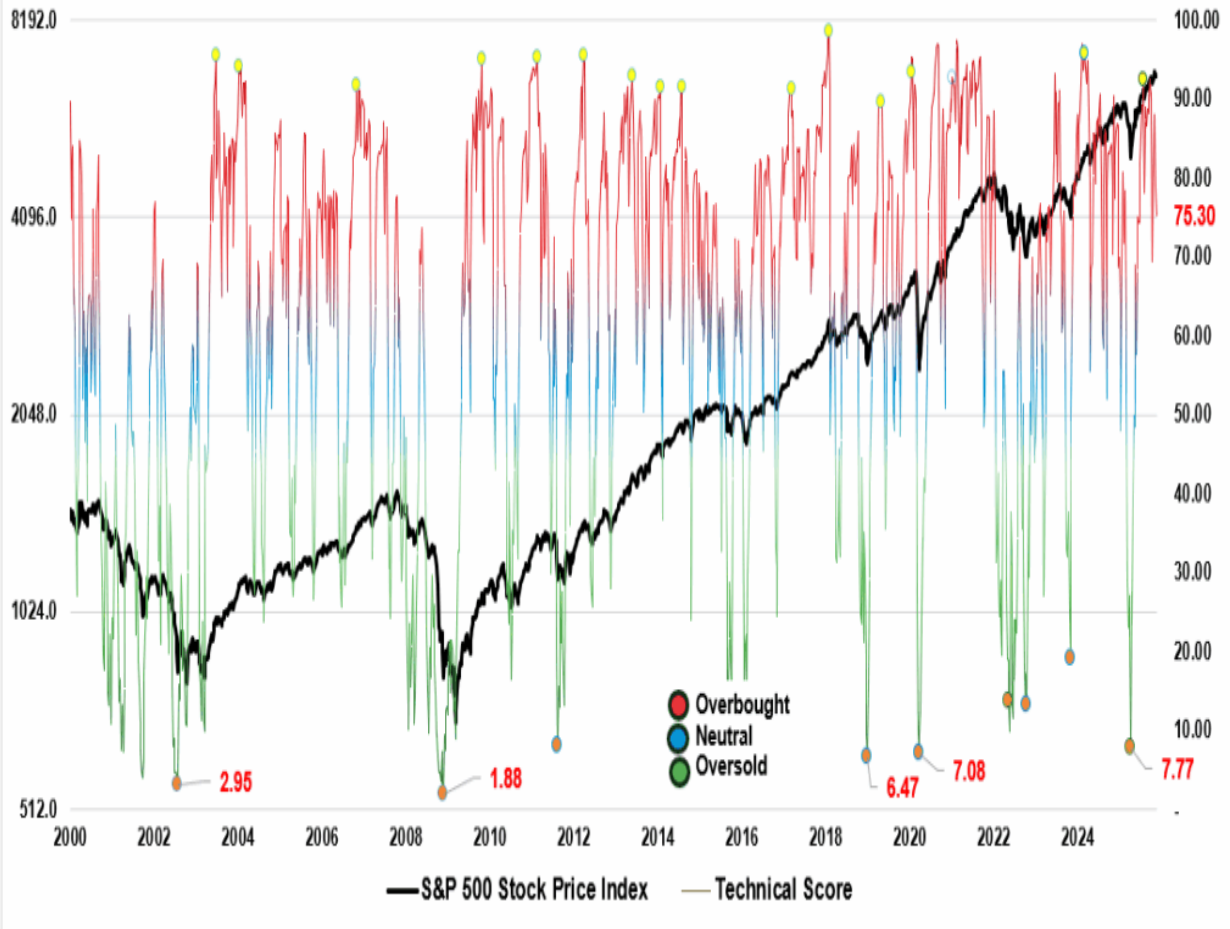
? Technical Composite: 75.30 ? Overbought, But Correcting

The overall technical condition decreased modestly again this past week as the market corrected. As we warned two weeks ago, conditions that are typically overbought (*90 or above*) increase the risk of a short-term correction, which has been underway. However, bullish sentiment and momentum remain very strong, keeping the bull market intact.



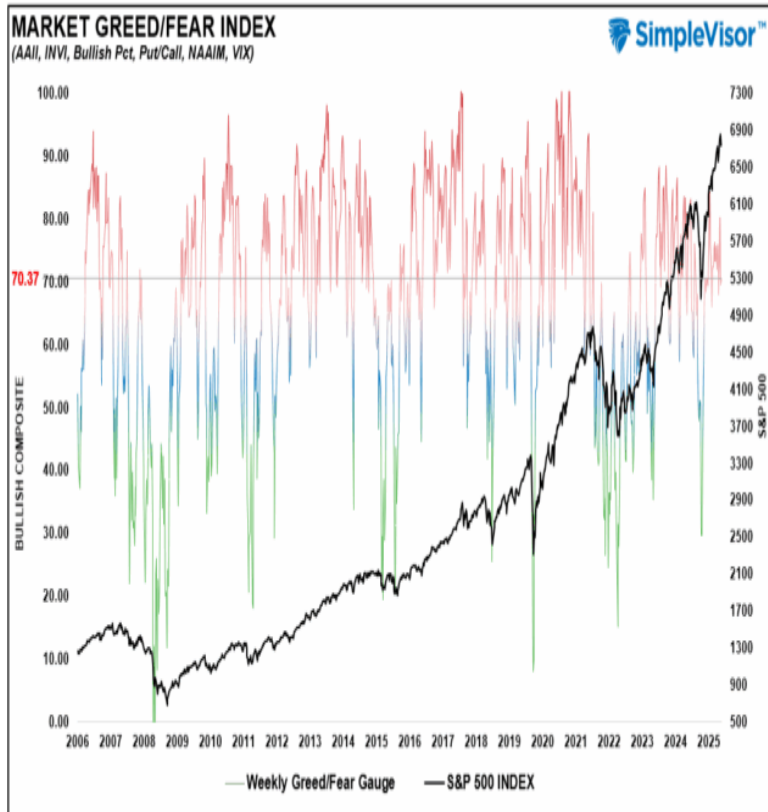
Technical Overbought/Sold Composite

(Composite Of Weekly Technical Measures)



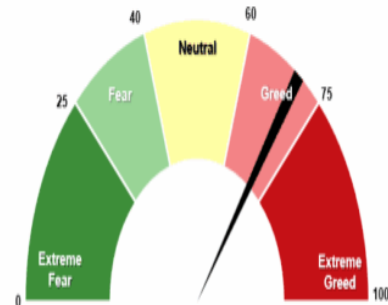
? Fear/Greed Index: 70.37 ? Greed

We noted last week that while investors' allocations, sentiment, and positioning continue to support the current bullish market backdrop. However, the selloff this past week did reduce investor positioning and allocations modestly. With some of that exuberance reversed, it was unsurprising to see *dip buyers* step in on Friday.



Current
Fear/Greed
Index

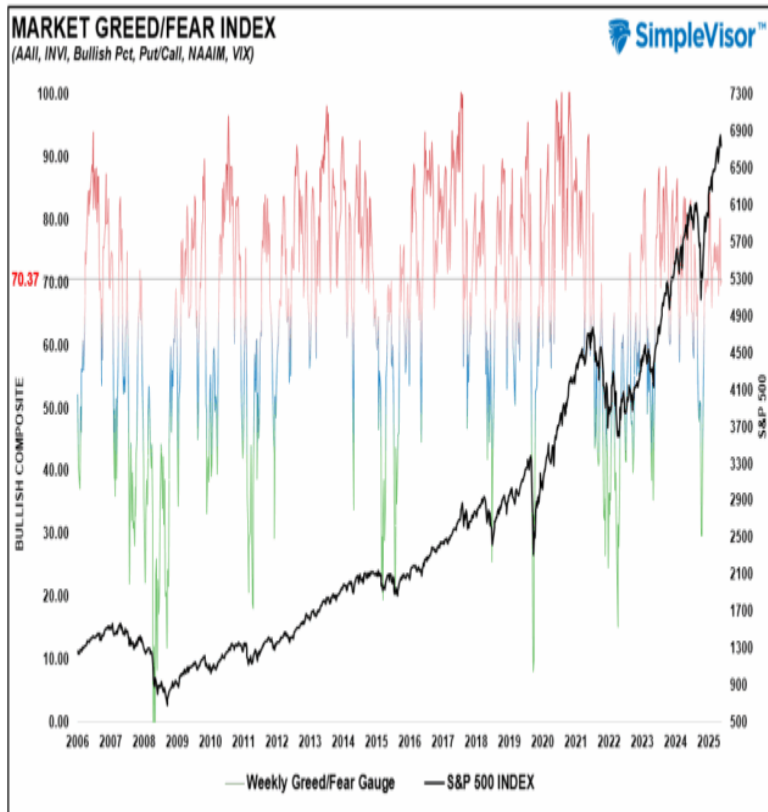
70.37



The **Fear/Greed Index** is based on a composite of indicators measuring both equity allocation levels (*What actions investors are currently taking*) and overall sentiment (*How investors "feel" about the current market.*)

These measures are then combined into a single index that can range from zero (0) to one hundred (100). Readings above 75% are considered extremely bullish with readings below 25% as extremely bearish.

The **"Fear/Greed"** index is a contrarian indicator suggesting that investors "buy" when "extreme fear" is present and "sell" during periods of "extreme greed."



Current
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? Relative Sector Performance

We have discussed for the past few weeks that a market rotation was likely and the leadership of Technology would give way to oversold areas of the market like Healthcare, Energy, and Materials. Such has occurred, and those previous oversold opportunities are now very overbought. Take profits and rebalance risk as needed.

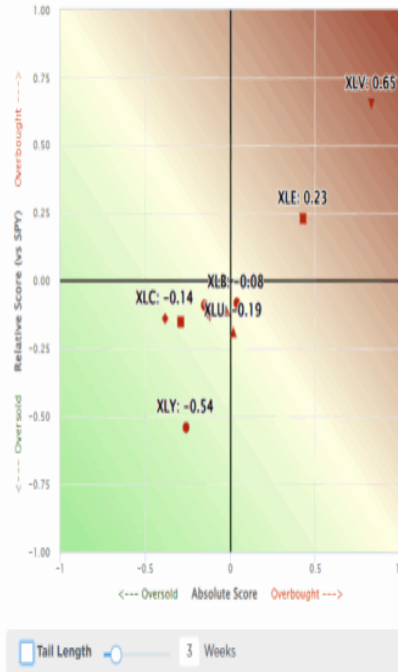
Sectors Analysis - Absolute and Relative Score (vs SPY)

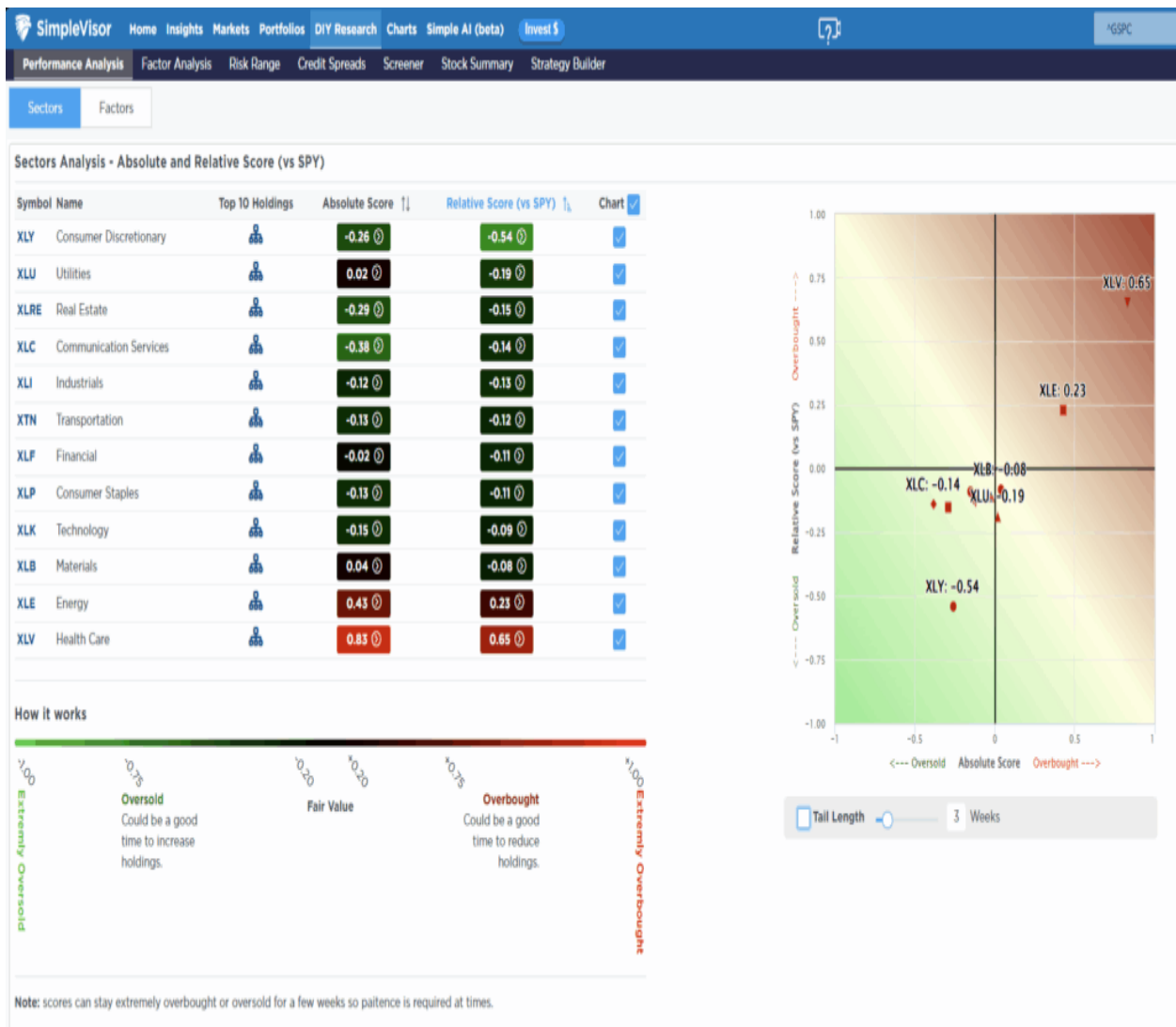
| Symbol Name | Top 10 Holdings | Absolute Score | Relative Score (vs SPY) | Chart |
|----------------------------|-----------------|----------------|-------------------------|-------|
| XLY Consumer Discretionary | | -0.26 | -0.54 | |
| XLU Utilities | | 0.02 | -0.19 | |
| XLRE Real Estate | | -0.29 | -0.15 | |
| XLC Communication Services | | -0.38 | -0.14 | |
| XLI Industrials | | -0.12 | -0.13 | |
| XTN Transportation | | -0.13 | -0.12 | |
| XLF Financial | | -0.02 | -0.11 | |
| XLP Consumer Staples | | -0.15 | -0.11 | |
| XLK Technology | | -0.15 | -0.09 | |
| XLB Materials | | 0.04 | -0.08 | |
| XLE Energy | | 0.45 | 0.23 | |
| XLV Health Care | | 0.85 | 0.85 | |

How it works



Note: scores can stay extremely overbought or oversold for a few weeks so patience is required at times.





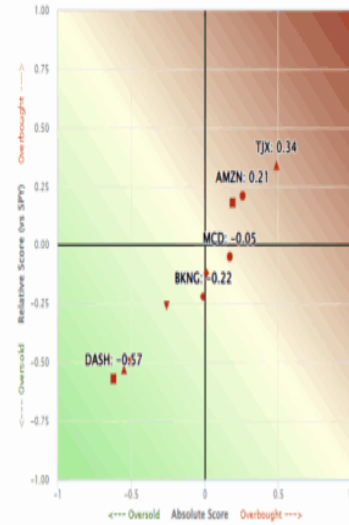
? Most Oversold Sector Holdings

Discretionary, primarily due to the significant selloff in Tesla (TSLA) this past week, is now very oversold. DASH, HD, LOW, and TSLA are currently the most oversold stocks in the sector.

XLY: Consumer Discretionary X

Consumer Discretionary Analysis - Absolute and Relative Score (vs SPY)

| Symbol Name | Holding | Absolute Score | Relative Score (vs SPY) | Chart |
|-------------|--|----------------|-------------------------|-------------------------------------|
| DASH | DoorDash Inc Ordinary Shares - Class A | 2.35% | -0.82 | <input checked="" type="checkbox"/> |
| HD | The Home Depot Inc | 6.66% | -0.55 | <input checked="" type="checkbox"/> |
| LOW | Lowe's Companies Inc | 3.29% | -0.51 | <input checked="" type="checkbox"/> |
| TSLA | Tesla Inc | 20.61% | -0.26 | <input checked="" type="checkbox"/> |
| BKNG | Booking Holdings Inc | 4.09% | -0.01 | <input checked="" type="checkbox"/> |
| ORLY | O'Reilly Automotive Inc | 2.14% | 0.01 | <input checked="" type="checkbox"/> |
| MCD | McDonald's Corp | 4.33% | 0.17 | <input checked="" type="checkbox"/> |
| SBUX | Starbucks Corp | 2.25% | 0.19 | <input checked="" type="checkbox"/> |
| AMZN | Amazon.com Inc | 21.23% | 0.26 | <input checked="" type="checkbox"/> |
| TJX | TJX Companies Inc | 3.77% | 0.48 | <input checked="" type="checkbox"/> |



How it works



Note: scores can stay extremely overbought or oversold for a few weeks so patience is required at times.

Top 10 Holdings Relative Analysis with Each Other

| | AMZN/ | BKNG/ | DASH/ | HD/ | LOW/ | MCD/ | ORLY/ | SBUX/ | TJX/ | TSLA/ | XLY/ | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| AMZN | 0.00 | -0.31 | -0.52 | -0.67 | -0.66 | -0.19 | -0.02 | -0.19 | 0.09 | -0.21 | -0.44 | AMZN Amazon.com Inc |
| BKNG | 0.31 | 0.00 | -0.47 | -0.40 | -0.40 | 0.14 | 0.21 | 0.31 | -0.35 | -0.15 | 0.11 | BKNG Booking Holdings Inc |
| DASH | 0.52 | 0.47 | 0.00 | 0.38 | 0.41 | 0.58 | 0.58 | 0.52 | 0.58 | 0.55 | 0.50 | DASH DoorDash Inc Ordinary Shares - Class A |
| HD | 0.67 | 0.40 | -0.38 | 0.00 | 0.16 | 0.64 | 0.51 | 0.56 | 0.83 | -0.06 | 0.46 | HD The Home Depot Inc |
| LOW | 0.66 | 0.40 | -0.41 | -0.16 | 0.00 | 0.64 | 0.46 | 0.56 | 0.76 | -0.08 | 0.37 | LOW Lowe's Companies Inc |
| MCD | 0.19 | -0.14 | -0.58 | -0.64 | -0.64 | 0.00 | -0.04 | 0.07 | 0.31 | -0.24 | -0.37 | MCD McDonald's Corp |
| ORLY | 0.02 | -0.21 | -0.56 | -0.51 | -0.46 | 0.04 | 0.00 | -0.06 | 0.36 | -0.16 | -0.07 | ORLY O'Reilly Automotive Inc |
| SBUX | 0.19 | -0.31 | -0.52 | -0.58 | -0.58 | -0.07 | 0.06 | 0.00 | 0.15 | -0.25 | -0.35 | SBUX Starbucks Corp |
| TJX | -0.09 | -0.35 | -0.59 | -0.81 | -0.76 | -0.31 | -0.36 | -0.15 | 0.00 | -0.29 | -0.68 | TJX TJX Companies Inc |
| TSLA | 0.23 | 0.15 | -0.55 | 0.06 | 0.08 | 0.24 | 0.16 | 0.25 | 0.29 | 0.00 | 0.14 | TSLA Tesla Inc |
| XLY | 0.44 | -0.11 | -0.50 | -0.46 | -0.37 | 0.37 | 0.07 | 0.35 | 0.68 | -0.14 | 0.00 | XLY |



? Sector Model & Risk Ranges

We noted two weeks ago that many sectors were exceedingly above their long-term means, and a correction was likely to reverse those conditions. The correction this past week did reduce some of those larger deviations somewhat. Gold, gold miners, emerging markets, and technology remain at risk of a further correction or consolidation, given the significant deviations from long-term means. However, technology and discretionary stocks, in particular, may receive a technical bounce this week given their respective short-term oversold conditions. The overall bullish backdrop continues to improve with every primary market and sector, save Staples, on a bullish moving average crossover.

| RELATIVE PERFORMANCE | | Current | PERFORMANCE RELATIVE TO S&P 500 INDEX | | | | | SHORT | | MONTH END | REL S&P | RISK RANGE | | % DEV - Short MIA | % DEV - Long MIA | MIA XVER SIGNAL |
|----------------------|------------------|---------|---------------------------------------|--------|----------|----------|----------|--------|----------|-----------|---------|------------|--------|-------------------|------------------|-----------------|
| Ticker | ETF NAME | Price | 1 Week | 4 Week | 12 Weeks | 24 Weeks | 52 Weeks | WMA | LONG WMA | PRICE | BETA | HIGH | LOW | | | |
| IVV | ISHARS-SP500 | 675.31 | 0.14 | 1.14 | 4.13 | 14.04 | 14.72 | 665.92 | 620.82 | 685.23 | 1.00 | 702.36 | 668.10 | 1% | 9% | BULLISH |
| XLB | SPDR-MATLS SELS | 86.77 | 0.96 | (2.40) | (10.00) | (13.55) | (19.66) | 89.32 | 87.63 | 85.67 | 1.03 | 88.69 | 82.65 | -3% | -1% | BULLISH |
| XLC | SPDR-COMM SV SLS | 111.33 | (0.84) | (4.28) | (4.12) | (4.25) | 2.28 | 114.74 | 106.52 | 114.81 | 1.02 | 118.86 | 110.76 | -3% | 5% | BULLISH |
| XLE | SPDR-EGY SELS | 92.02 | 2.63 | 5.88 | 0.27 | (1.18) | (17.58) | 88.48 | 86.27 | 88.13 | 0.75 | 91.00 | 85.26 | 4% | 7% | BULLISH |

| RELATIVE PERFORMANCE | | Current | PERFORMANCE RELATIVE TO S&P 500 INDEX | | | | | SHORT | | MONTH END | REL S&P | RISK RANGE | | % DEV - | % DEV - | MIA XVER |
|----------------------|-----------------|---------|---------------------------------------|--------|----------|----------|----------|--------|----------|-----------|---------|------------|--------|-----------|----------|----------|
| Ticker | ETF NAME | Price | 1 Week | 4 Week | 12 Weeks | 24 Weeks | 52 Weeks | WMA | LONG WMA | PRICE | BETA | HIGH | LOW | Short MIA | Long MIA | SIGNAL |
| IVV | ISHARS-SP500 | 675.31 | 0.14 | 1.14 | 4.13 | 14.04 | 14.72 | 665.92 | 620.82 | 685.23 | 1.00 | 702.36 | 668.10 | 1% | 9% | BULLISH |
| XLB | SPDR-MATLS SELS | 86.77 | 0.96 | (2.40) | (10.00) | (13.55) | (19.66) | 89.32 | 87.63 | 85.67 | 1.03 | 88.69 | 82.65 | -3% | -1% | BULLISH |
| XLC | SPDR-COMM SV SS | 111.33 | (0.84) | (4.28) | (4.12) | (4.25) | 2.28 | 114.74 | 106.52 | 114.81 | 1.02 | 118.86 | 110.76 | -3% | 5% | BULLISH |
| XLE | SPDR-EGY SELS | 92.02 | 2.63 | 5.88 | 0.27 | (1.18) | (17.58) | 88.48 | 86.27 | 88.13 | 0.75 | 91.00 | 85.26 | 4% | 7% | BULLISH |
| XLF | SPDR-FINL SELS | 52.45 | (0.77) | (0.62) | (6.22) | (11.12) | (9.55) | 53.22 | 51.52 | 52.37 | 0.99 | 54.20 | 50.54 | -1% | 2% | BULLISH |
| XLK | SPDR-TECH SELS | 288.15 | (0.15) | (0.04) | 5.67 | 10.75 | 11.27 | 279.94 | 251.48 | 300.68 | 1.21 | 311.83 | 289.53 | 3% | 15% | BULLISH |
| XLI | SPDR-INDU SELS | 152.01 | (1.00) | (0.96) | (4.87) | (7.61) | (5.45) | 152.83 | 145.47 | 155.06 | 1.08 | 160.60 | 149.52 | -1% | 4% | BULLISH |
| XLP | SPDR-CONS STPL | 77.26 | 0.57 | (4.24) | (10.45) | (20.77) | (18.10) | 79.01 | 80.33 | 76.28 | 0.52 | 78.59 | 73.97 | -2% | -4% | BEARISH |
| XLRE | SPDR-RE SELS | 40.95 | (0.92) | (3.73) | (7.42) | (15.91) | (19.44) | 41.73 | 41.47 | 40.90 | 1.00 | 42.33 | 39.47 | -2% | -1% | BULLISH |
| XLU | SPDR-UTIL SELS | 88.76 | (1.18) | (4.21) | (0.97) | (5.69) | (2.72) | 87.59 | 83.52 | 88.10 | 0.62 | 91.88 | 86.32 | 1% | 6% | BULLISH |
| XLV | SPDR-HLTH CR | 151.83 | 3.75 | 4.83 | 5.75 | 0.42 | (7.68) | 141.33 | 137.50 | 144.25 | 0.63 | 148.76 | 139.74 | 7% | 10% | BULLISH |
| XLY | SPDR-CONS DISCR | 230.89 | (2.25) | (2.65) | (5.08) | (6.05) | (6.54) | 236.26 | 220.11 | 239.93 | 1.21 | 248.84 | 231.02 | -2% | 9% | BULLISH |
| XTN | STSR-SP TRANSP | 83.23 | (2.79) | (2.91) | (9.06) | (5.67) | (23.86) | 84.89 | 80.25 | 85.21 | 1.42 | 88.55 | 81.87 | -2% | 4% | BULLISH |
| SDY | STSR-SP DIV ETF | 138.22 | 0.58 | (1.88) | (7.46) | (11.43) | (15.76) | 139.48 | 136.53 | 137.22 | 0.79 | 141.74 | 132.70 | -1% | 1% | BULLISH |
| RSP | INVS-SPS EQ ETF | 187.34 | (0.26) | (1.50) | (5.27) | (7.86) | (11.18) | 188.58 | 181.16 | 187.93 | 0.99 | 194.49 | 181.37 | -1% | 3% | BULLISH |
| SPSM | STSR-PRT SC | 45.56 | (1.06) | (1.80) | (5.54) | (3.19) | (17.56) | 46.12 | 43.26 | 45.92 | 1.10 | 47.57 | 44.27 | -1% | 5% | BULLISH |
| MDY | SPDR-SP MC 400 | 586.16 | (1.26) | (1.60) | (5.71) | (7.22) | (14.71) | 594.80 | 567.53 | 592.98 | 1.08 | 614.21 | 571.75 | -1% | 3% | BULLISH |
| EEM | ISHARS-EMG MKT | 54.96 | 0.61 | 0.30 | 4.42 | 6.69 | 13.24 | 53.04 | 48.84 | 55.30 | 0.65 | 57.04 | 53.56 | 4% | 13% | BULLISH |
| EFA | ISHARS-EAFE | 95.26 | 0.87 | (0.35) | (1.96) | (6.78) | 8.79 | 93.53 | 89.23 | 94.40 | 0.84 | 97.64 | 91.34 | 2% | 7% | BULLISH |
| IAU | ISHARS-GOLD TR | 76.98 | 1.91 | (4.47) | 16.94 | 9.80 | 44.43 | 71.99 | 65.90 | 75.39 | 0.09 | 77.34 | 73.44 | 7% | 17% | BULLISH |
| GDX | VANECK-GOLD MNR | 76.16 | 4.83 | (4.41) | 22.42 | 36.32 | 99.75 | 71.15 | 58.60 | 72.06 | 0.53 | 74.24 | 69.88 | 7% | 30% | BULLISH |
| UUP | INVS-DB US\$ BU | 28.11 | (0.32) | 0.16 | (1.28) | (11.64) | (21.27) | 27.69 | 27.58 | 28.21 | (0.22) | 28.85 | 27.57 | 2% | 2% | BULLISH |
| BOND | PIMCO-ACTV BOND | 93.30 | (0.30) | (1.93) | (3.17) | (11.53) | (12.33) | 93.32 | 92.04 | 93.88 | 0.28 | 96.48 | 91.27 | 0% | 1% | BULLISH |
| TLT | ISHARS-20+YTB | 88.87 | (0.93) | (3.70) | (2.04) | (11.04) | (16.06) | 89.28 | 87.97 | 90.29 | 0.53 | 93.02 | 87.56 | 0% | 1% | BULLISH |
| BNDX | VANGD-TTL INT B | 49.46 | (0.47) | (1.82) | (3.77) | (14.02) | (15.72) | 49.50 | 49.32 | 49.85 | 0.22 | 51.21 | 48.49 | 0% | 0% | BULLISH |
| HYG | ISHARS-IBX HYCB | 80.22 | (0.28) | (1.76) | (4.91) | (13.23) | (13.47) | 80.76 | 79.85 | 80.80 | 0.41 | 83.15 | 78.45 | -1% | 0% | BULLISH |



RISK RANGE REPORT



Have a great week.

Lance Roberts, CIO, RIA Advisors