

Market Structure Report

04-22-2024

Lega

HEDGEYE

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Summary:

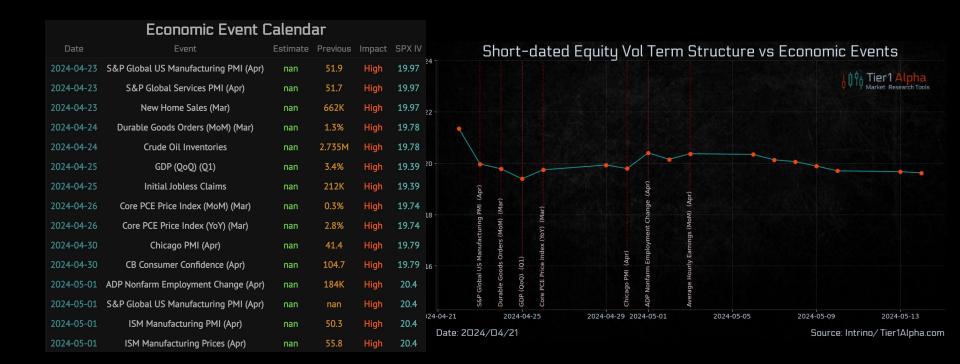
Tier1 Alpha
Market Research Tools

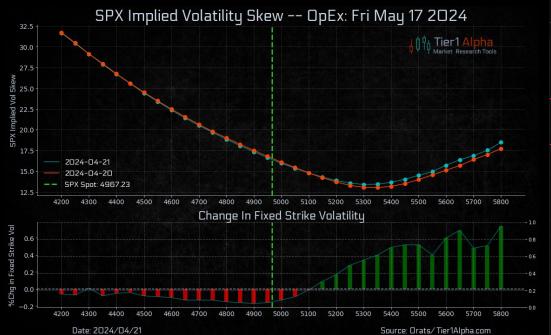
- After last Friday's monthly options expiration, we saw a significant
 amount of dealer gamma removed from the market. However, market
 makers are still broadly short gamma, which suggests that higher
 volatility should be expected in the near term. Last week, we saw most
 of this volatility contained to both the intraday and after-hours price
 action, while the close-to-close volatility remained flatter than we had
 expected.
- From a broader positioning standpoint, that was actually a more favorable outcome because systematic strategies typically rely on realized volatility as their toggle for equity exposure. Outside of CTA funds, that means there was less selling taking place in the background, which likely helped prevent the recent weakness in SPX from turning into a more significant event.
- In fact, if you look at our MBAD indicator below, you'll notice that last Fridays decline was really just driven by a handful of stocks, while the broader in was strong. This is NOT the type of breadth typically observed during a systematic deleveraging event, where widespread selling occurs as money rapidly flows out of S&P 500-linked products, like futures and ETTC.

•	For today, there remains limited room towards the downside with our
	lower band suggesting support around the 4930 strike. However, even
	after last Friday's expiration, the 5000 strike remains the key level to
	watch, as we view the more tactical trading range as lying between
	the 4950 and 5050 strikes, which represents a spread of
	approximately 2%.

- Given that SPX has had a negative print for six consecutive days, we're biased for near-term strength, as longer stretches have been quite rare. In fact, over the past 30 years, there have only been seven instances where the index has posted negative returns for more than six days in a row, with the last occurrence taking place in 2020.
- Despite the weak close, breadth was strong last Friday as over 67% of the SPX was in the green. However, even with an average gain of 1.2%, it still wasn't enough to balance out the weakness in mega tech stocks, which is what ultimately drove the index lower. In total, just ten companies were responsible for nearly 55% of the negative momentum, with Nvidia's notable 10% decline accounting for almost half of that impact.

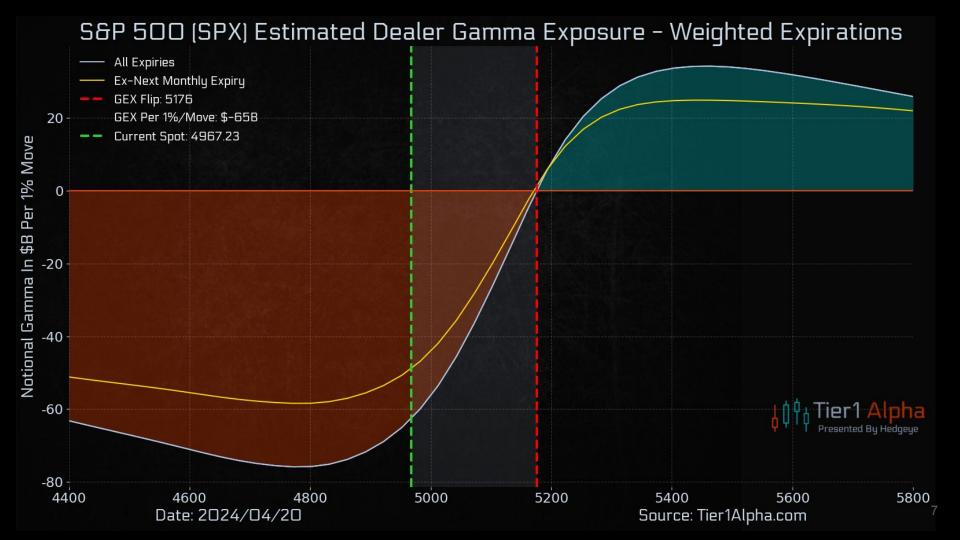
Volatility Regime:	Low	Neutral	High	
Flow Risk:	Bullish	Neutral	Bearish	
PV Band Risk/Reward:	Long	Neutral	Short	

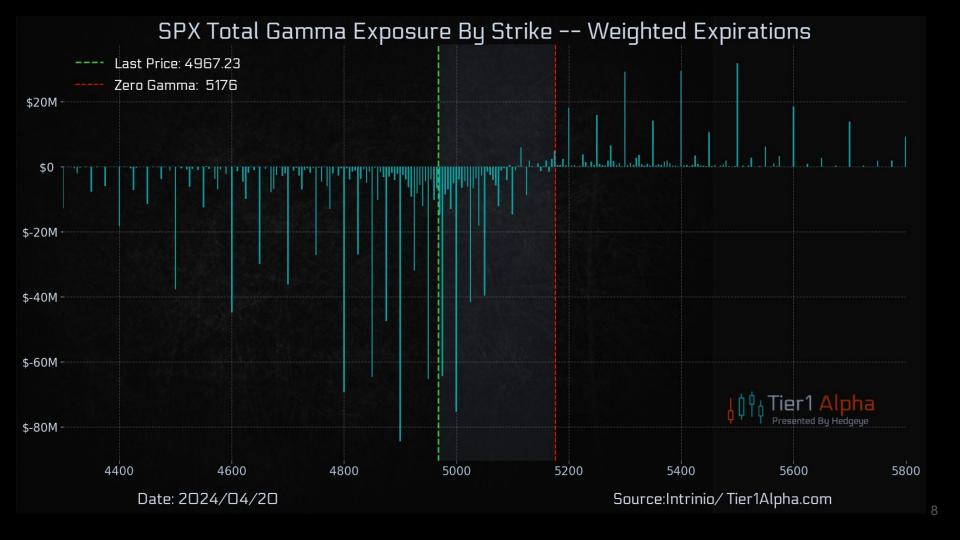


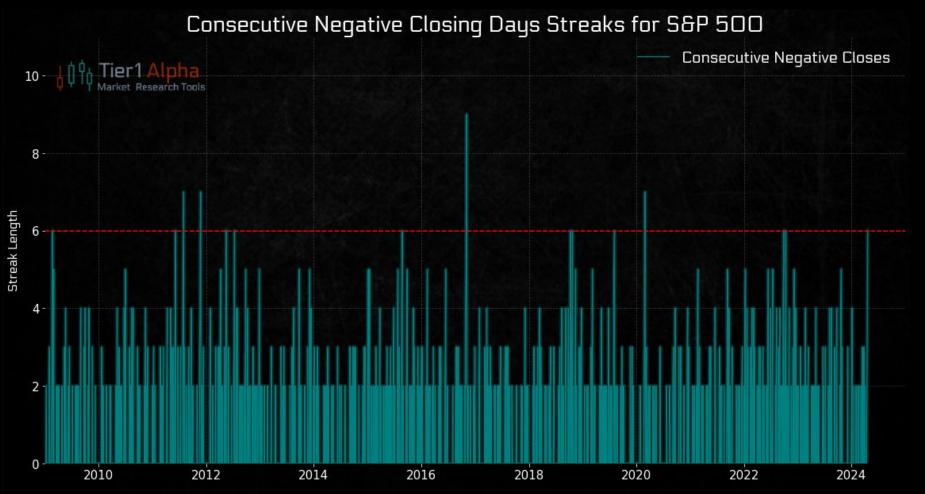


SPX Implied Volatility with Fixed Strike Vol						
Expiration		I9 2024	_	17 2024	Fri Jun 21 2024	
Strike	Implied Vol	FSV Change	Implied Vol	FSV Change	Implied Vol	FSV Change
4700.0	20.5	-0.13	19.82	-0.15	17.63	
4750.0	19.66	-0.13	19.16	-0.15	17.1	
4800.0	18.85		18.52	-0.16	16.59	
4850.0	18.07	-0.16	17.91	-0.13	16.11	0.01
4900.0	17.33	-0.17	17.33	-0.11	15.67	0.05
4950.0	16.62	-0.16	16.76		15.25	0.1
5000.0	15.96		16.22		14.85	0.14
5050.0	15.34		15.73	0.02	14.48	0.19
5100.0	14.78		15.26	0.07	14.15	0.25
5150.0	14.29	0.09	14.82	0.12	13.86	0.31
5200.0	13.87	0.17	14.42	0.2	13.58	0.35
5250.0	13.56	0.28	14.07	0.27	13.36	0.4
5300.0	13.39	0.34	13.75	0.33	13.16	0.43
5350.0	13.43	0.4	13.47	0.38	12.97	0.44
5400.0	13.65	0.49	13.22	0.42	12.86	0.48
5450.0	14.02	0.52	13.03	0.44	12.75	0.47
5500.0	14.5	0.52	12.89	0.45	12.68	0.44
5550.0	14.94	0.4	12.85	0.48	12.68	0.43
5600.0	15.71	0.6	12.83	0.47	12.69	0.41
5650.0	16.37	0.69	12.89	0.44	12.77	0.39
5700.0	16.87	0.48	13.0	0.41	12.92	0.42



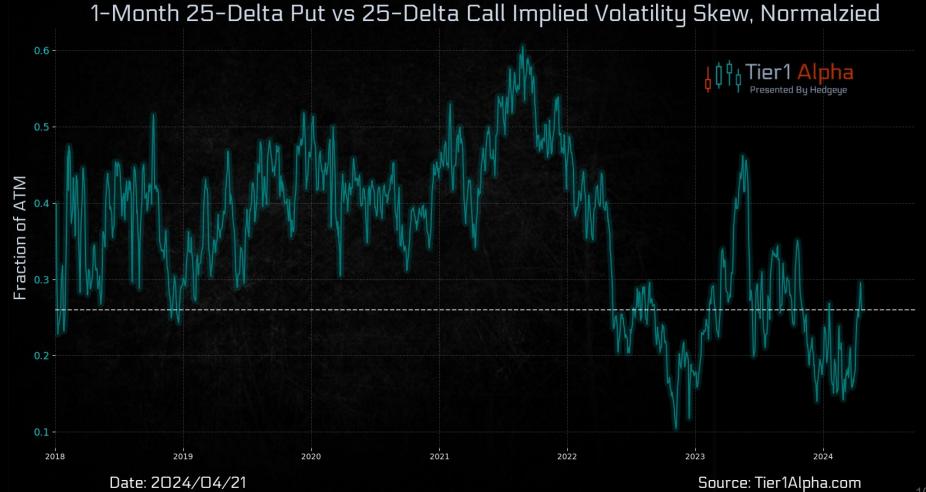


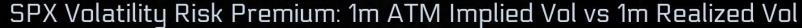


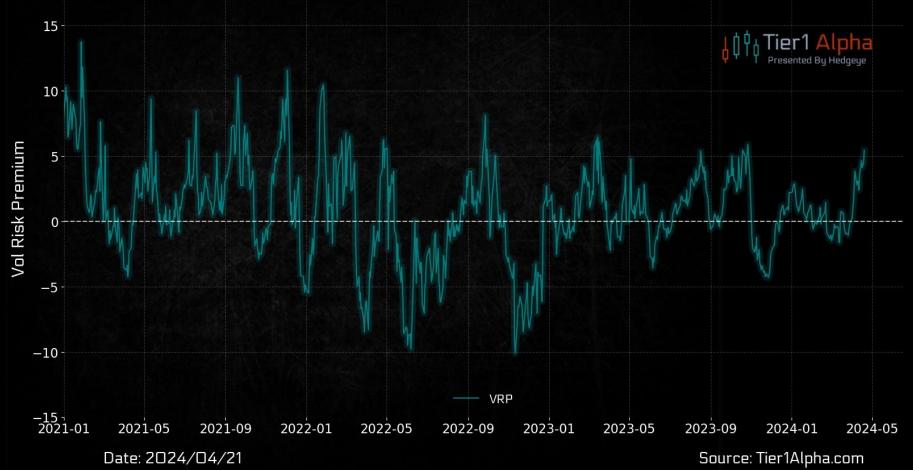


Date: 2024/04/21

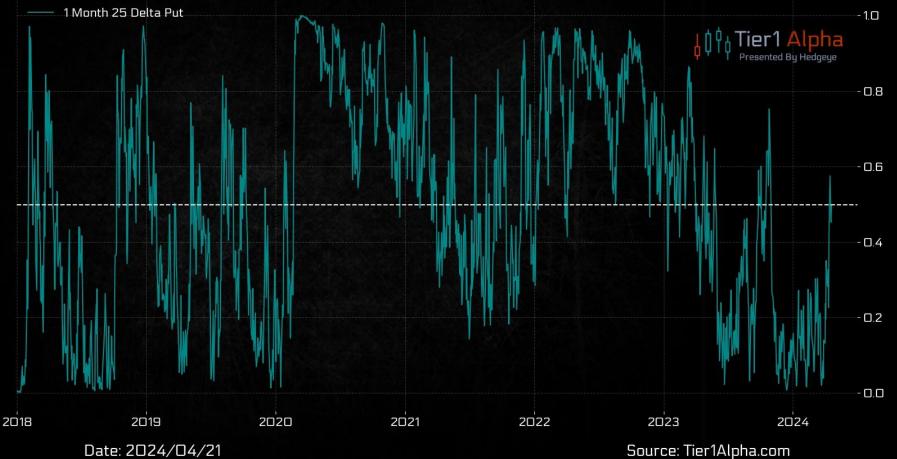
Source: Tier1Alpha.com

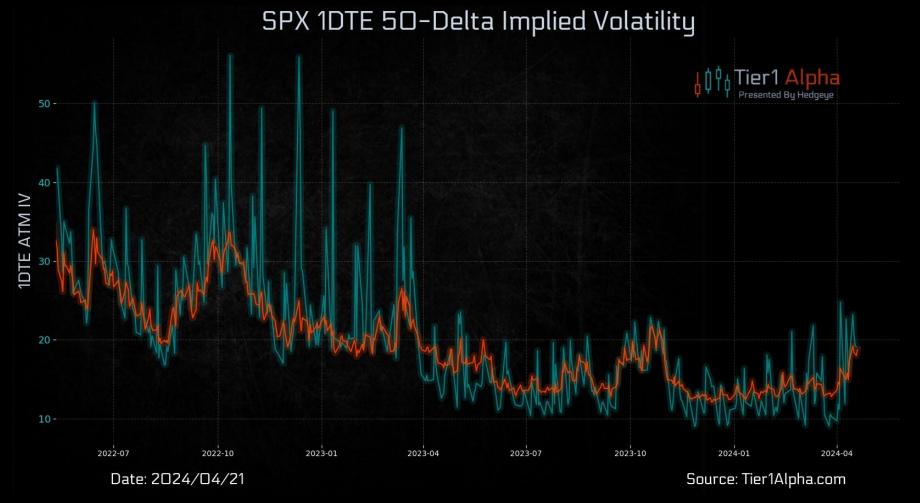




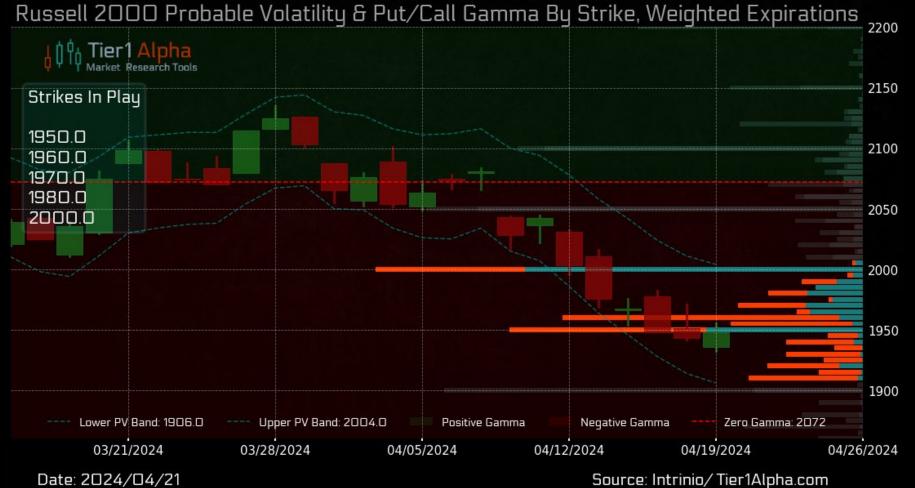


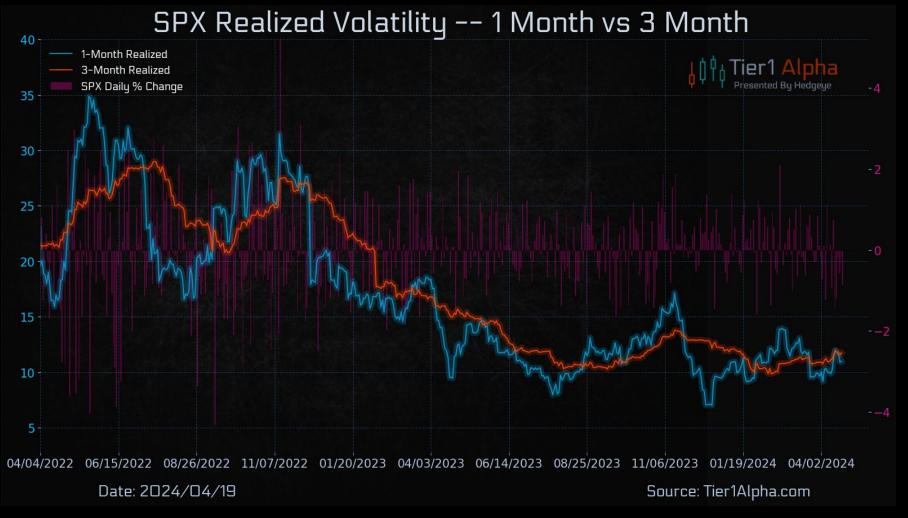
Rolling Cost of 1 Month 25 Delta Put Options Percentile Rank

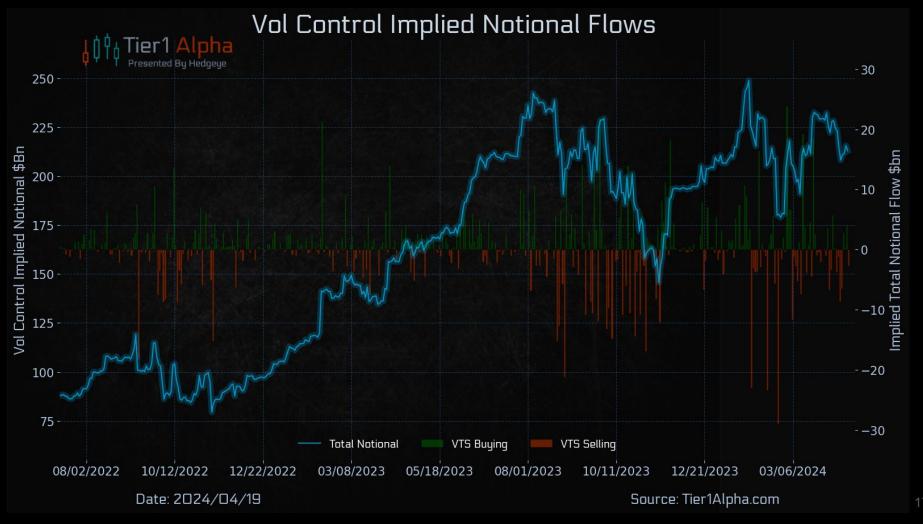


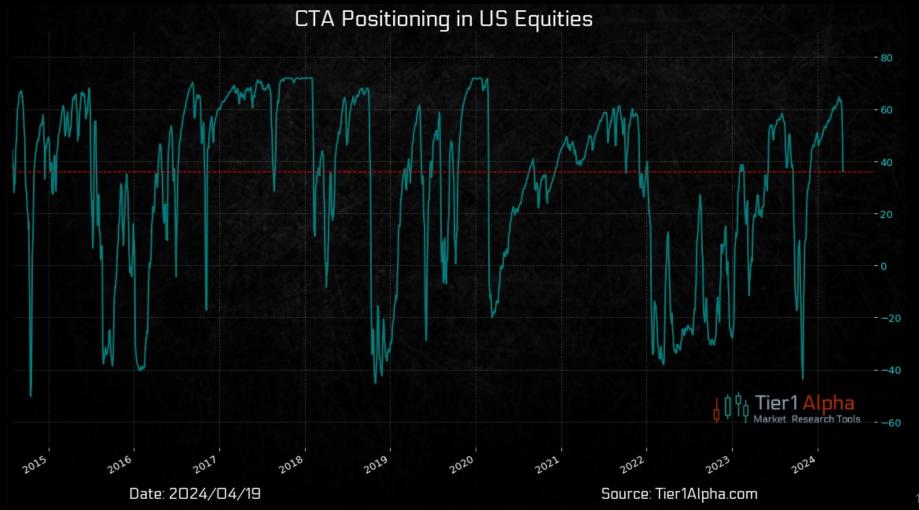






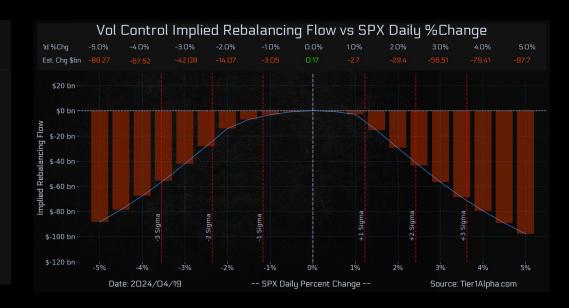




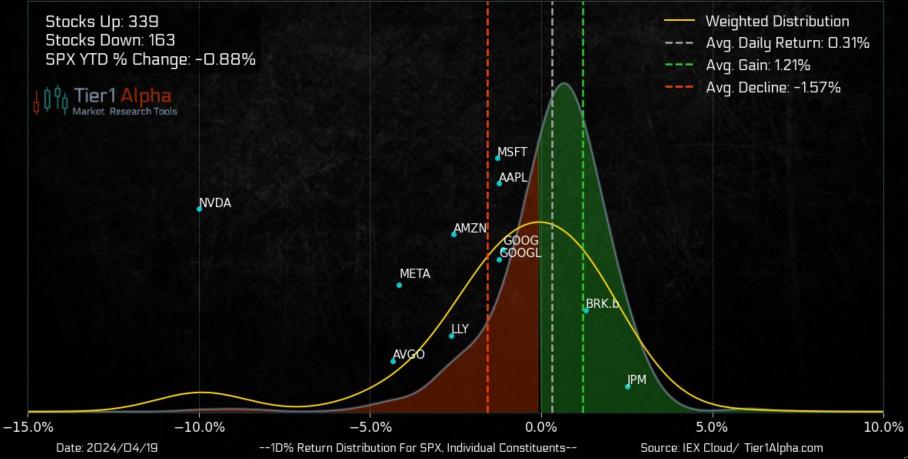


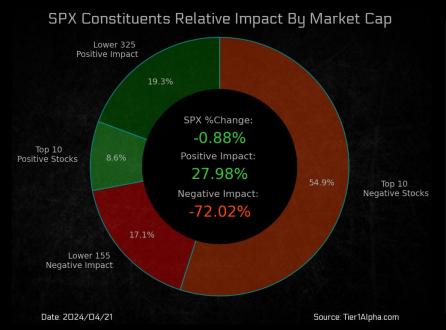


SPX Realized Vol Data In Sample for 2024-04-22							
Dropoff	1m Dates	1m Drop %	3m Dates	3m Drop %			
T+1	2024-03-22	-0.1%	2024-01-23	0.3%			
T+2	2024-03-25	-0.3%	2024-01-24	0.1%			
T+3	2024-03-26	-0.3%	2024-01-25	0.5%			
T+4	2024-03-27	0.9%	2024-01-26	-0.1%			
T+5	2024-03-28	0.1%	2024-01-29	0.8%			
T+6	2024-04-01	-0.2%	2024-01-30	-0.1%			
T+7	2024-04-02	-0.7%	2024-01-31	-1.6%			
T+8	2024-04-03	0.1%	2024-02-01	1.2%			
T+9	2024-04-04	-1.2%	2024-02-02	1.1%			
T+10	2024-04-05	1.1%	2024-02-05	-0.3%			

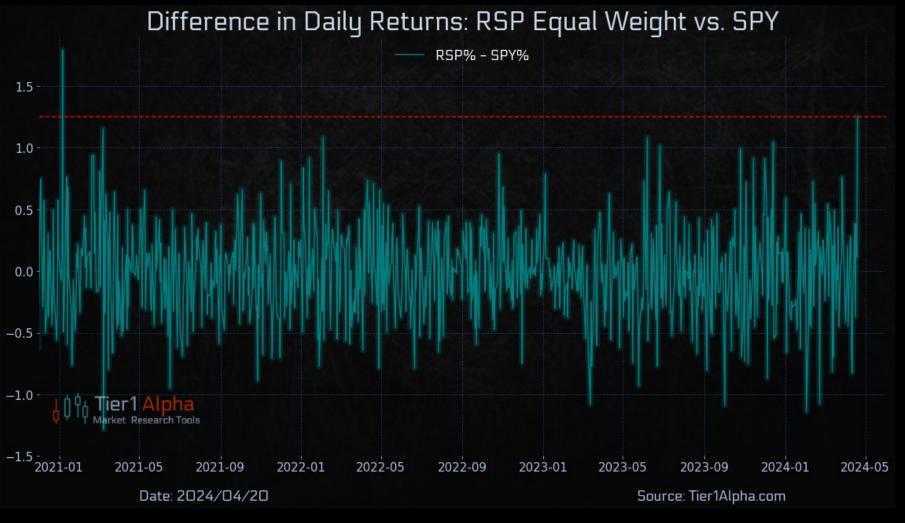


S&P 500 MBAD Indicator for 2024/04/19





51	SPX Constituents Relative Impact By Market Cap						
Largest Positive Impact				Largest Negative Impact			
Top Contributor	Daily %Return	Positive Impact	% Weight	Top Detractor	Daily %Return.1	Negative Impact	% Weight.1
JPM	2.5%	1.6%	1.24%	NVDA	-10.0%	-25.4%	4.97%
BRK.B	1.3%	1.1%	1.73%	META	-4.1%	-5.5%	2.62%
BAC	3.4%	1.0%	0.58%	AMZN	-2.6%	-5.1%	3.89%
AXP	6.2%	1.0%	0.3%	MSFT	-1.3%	-4.6%	7.14%
UNH	1.6%	0.9%	1.08%	AAPL	-1.2%	-3.6%	5.76%
WFC	2.7%	0.7%	0.5%	NFLX	-9.1%	-2.9%	0.63%
XOM	1.1%	0.7%	1.12%	AVGO	-4.3%	-2.9%	1.32%
JNJ	1.5%	0.6%	0.83%	LLY	-2.6%	-1.9%	1.41%
ко	2.1%	0.6%	0.54%	AMD	-5.4%	-1.7%	0.6%
CVX	1.5%	0.5%	0.65%	GOOGL	-1.2%	-1.4%	2.19%







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