

Market Structure Report

04-23-2024

Lega

HEDGEYE

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Summary:

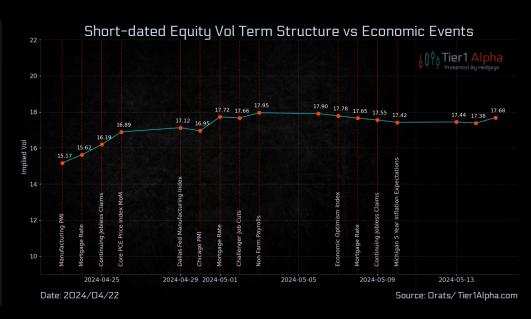


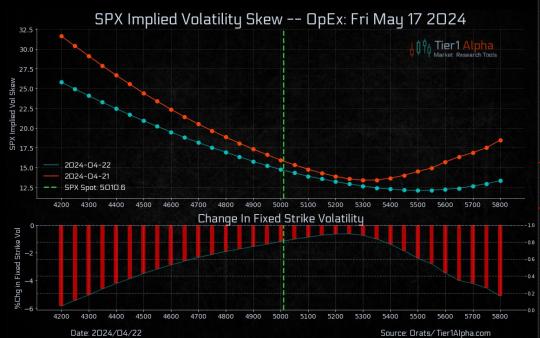
- Similar to last week, yesterday's volatility was primarily confined to the intraday price action, with a substantial high-to-low spread of 1.42%.
- From a structural standpoint, a significant number of investors also capitulated on their unprofitable weekend hedges, which enabled dealers to buy back their delta exposure.
- We suspect this likely contributed to the directional component of the move, as the rally was accompanied by both a collapse in skew and a modest decrease in Put premiums.
- However, dealers are still short a significant amount of gamma, so all else being equal, we'd expect the volatility to continue.
- Yesterday's trading range largely played out, as SPX stayed between the 4950 and 5050 strikes, with the 5000 level being the main attraction. We also began to see the slope of our PV bands flatten out, although the overall trend is still bearish.

- For today, we broadly expect to see the same levels in play, with some near-term consolation around the 5000 strike likely.
- It's crucial to note that our upper band is currently trading below the level where dealers would shift into positive gamma territory, suggesting that this higher volatility environment will continue until further notice.
- Although realized volatility has remained relatively subdued so far, the
 fact that dealers will be trapped in negative gamma suggests that
 these levels could begin to increase, potentially serving as the
 catalyst needed to spark more significant selling pressure from
 Systematic funds that use volatility as a toggle for their equity
 exposure.
- While conditions did modestly improve yesterday, this is still an
 extremely dangerous setup from a positioning standpoint, and the
 slightest misstep could trigger a cascade of selling, potentially
 sending the market into new lows.

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

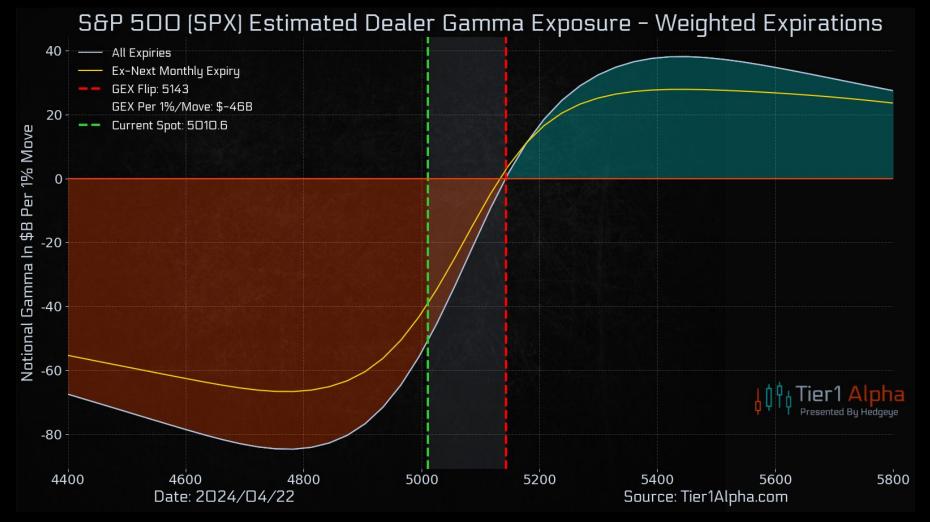
Economic Event Calendar								
Date	Event	Estimate	Previous	Impact	SPX IV			
2024-04-23	Manufacturing PMI	52.0	51.9	medium	15.12			
2024-04-23	New Home Sales MoM		-0.3	medium	15.12			
2024-04-24	Mortgage Rate		7.13	low	15.62			
2024-04-24	Mortgage Applications		3.3	low	15.62			
2024-04-24	MBA Mortgage Refinance Index		500.7	low	15.62			
2024-04-24	MBA Purchase Index		145.6	low	15.62			
2024-04-24	Durable Goods Orders	2.5	1.3	high	15.62			
2024-04-25	Continuing Jobless Claims		1812.0	low	16.07			
2024-04-25	GDP Growth Rate	2.5	3.4	high	16.07			
2024-04-25	Initial Jobless Claims	215.0	212.0	medium	16.07			
2024-04-26	Core PCE Price Index MoM	0.3	0.3	high	16.89			
2024-04-26	Personal Income	0.5	0.3	high	16.89			

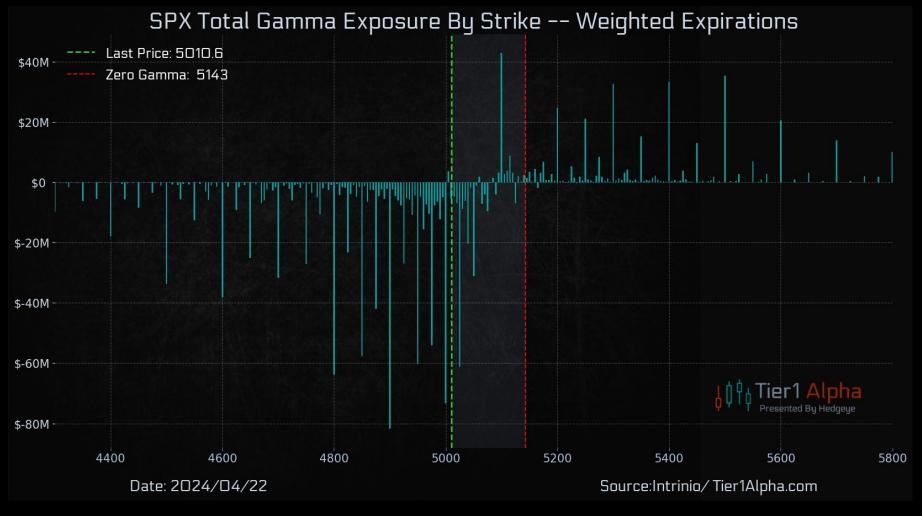


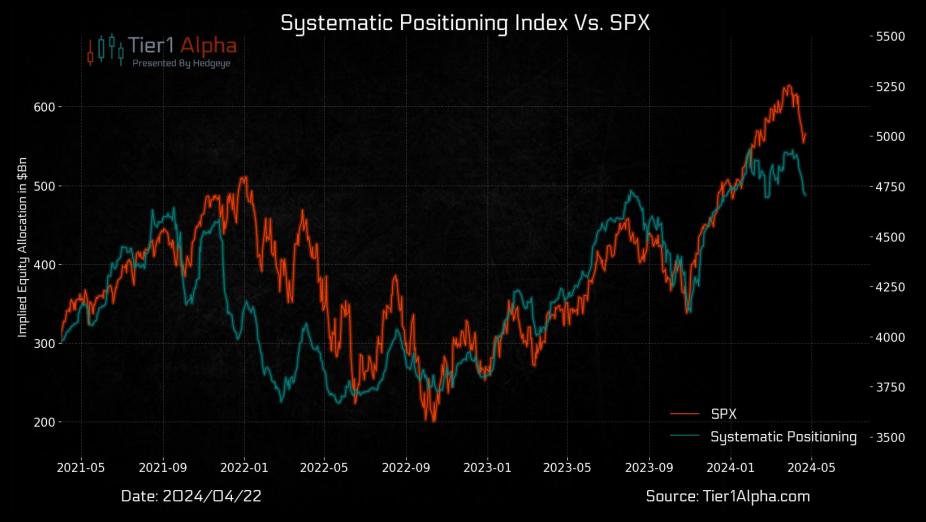


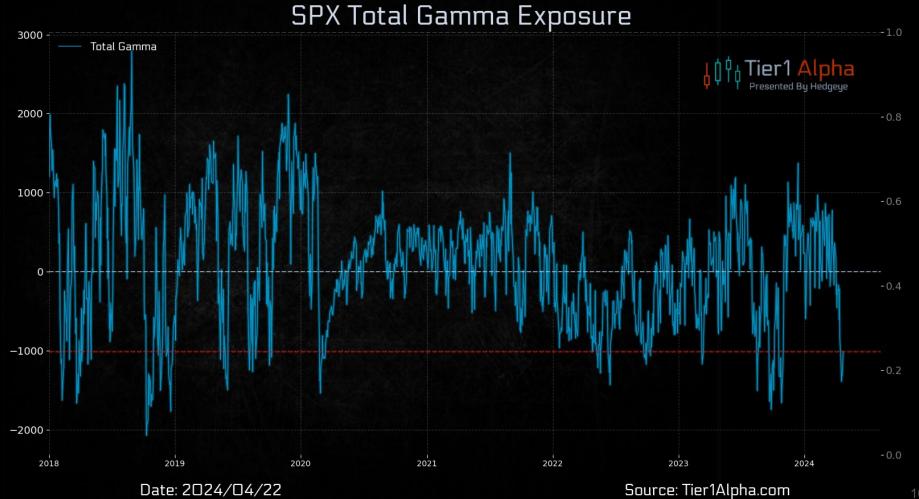
	SPX Implied Volatility with Fixed Strike Vol							
		Fri Apr '	19 2024	Fri May	17 2024	Fri Jun 21 2024		
	Strike	Implied Vol	FSV Change	Implied Vol	FSV Change	Implied Vol	FSV Change	
	4400.0	22.46		22.3	-1.85			
	4450.0	21.68	-3.88	21.62		19.44		
	4500.0	20.92		20.96	-1.67	18.88		
	4550.0	20.21		20.31		18.32		
	4600.0	19.49	-2.88	19.69		17.8		
	4650.0	18.8		19.07		17.28		
	4700.0	18.16		18.46		16.78	-0.85	
	4750.0	17.54		17.88		16.3		
	4800.0	16.94		17.29		15.83		
	4850.0	16.34		16.74		15.39		
	4900.0			16.23		14.97		
	4950.0	15.24		15.72	-1.04	14.6		
	5000.0	14.75		15.23		14.23		
	5050.0	14.32		14.78		13.89		
	5100.0	13.9	-0.88	14.38	-0.88	13.58		
	5150.0	13.56		14.0	-0.82	13.3		
3	5200.0	13.22		13.65	-0.77	13.05		
	5250.0	12.92		13.33	-0.74	12.82		
	5300.0	12.65		13.07		12.63		
	5350.0	12.42		12.82		12.45		
,	5400.0	12.27		12.6		12.31		
	5450.0	12.15	-1.87	12.41	-0.62	12.2		
	5500.0	12.1		12.28		12.12		
	5550.0	12.14		12.17		12.09		
	5600.0	12.25		12.09	-0.74	12.06		
	5650.0	12.37		12.04	-0.85	12.1		
	5700.0	12.65		12.06		12.17		







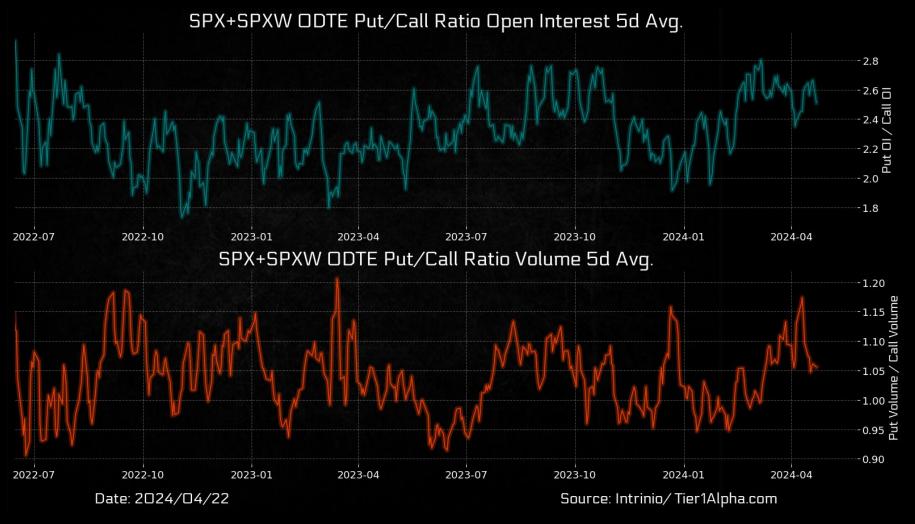


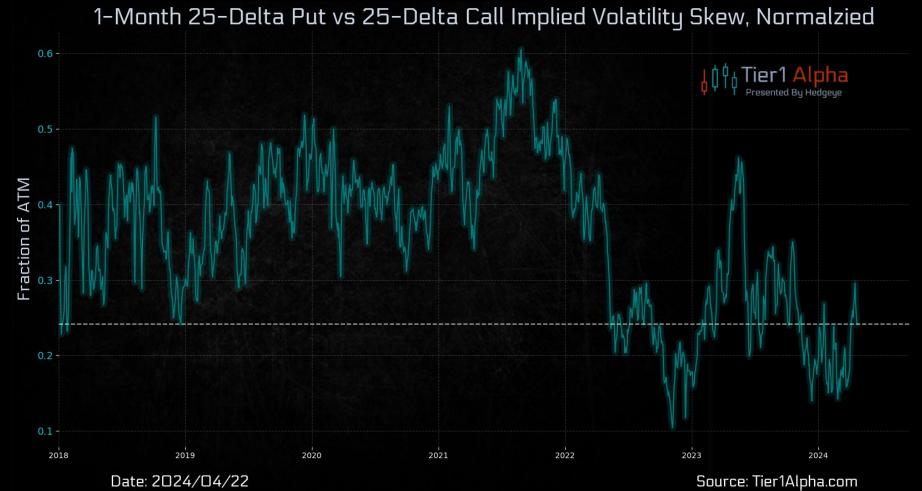


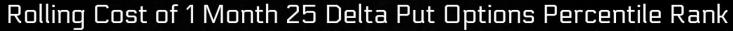


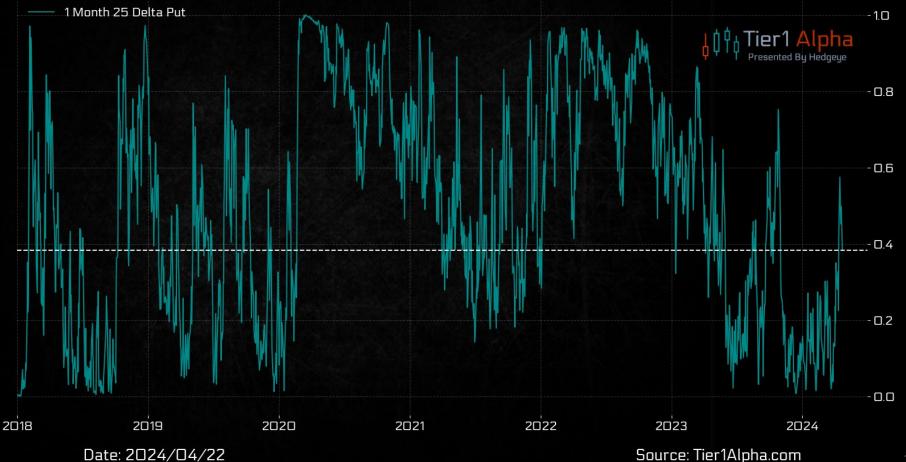
S&P 500 Post-OpEx Week Returns by Month and Year (2018-Present)

	2018	2019	2020	2021	2022	2023	2024	Monthly Average
January	2.23%	-1.01%	-2.58%	2.31%	-1.36%	4.14%	1.06%	0.68%
February	1.73%	0.74%	-11.49%	-2.45%	0.58%	-2.37%	1.28%	-1.71%
March	-5.95%	-0.77%	10.26%	1.57%	1.79%	1.39%	2.29%	1.51%
April	-0.01%	0.89%	-1.32%	-0.13%	-1.19%	0.87%	nan%	-0.15%
May	0.31%	-1.17%	3.2%	1.16%	6.58%	0.32%	nan%	1.73%
June	-0.89%	-0.29%	-2.86%	2.74%	6.68%	-1.75%	nan%	0.6%
July	0.61%	1.65%	-0.28%	1.96%	2.55%	1.01%	nan%	1.25%
August	0.86%	-1.44%	3.26%	1.52%	-4.04%	0.82%	nan%	0.17%
September	-0.54%	-1.01%	-0.63%	0.51%	-4.65%	-2.93%	nan%	-1.54%
October	-3.94%	1.22%	-0.53%	1.64%	3.95%	-2.53%	nan%	-0.03%
November	-2.3%	-0.33%	1.8%	-0.91%	-0.04%	0.81%	nan%	-0.16%
December	3.73%	0.0%	0.7%	3.69%	-0.2%	0.75%	nan%	1.45%
Annual Average	-0.35%	-0.13%	-0.04%	1.14%	0.89%	0.04%	1.54%	nan%

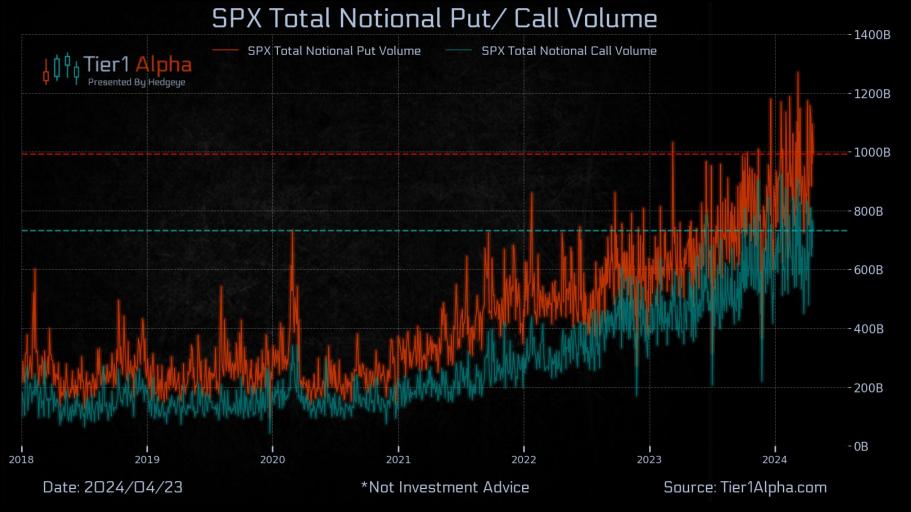


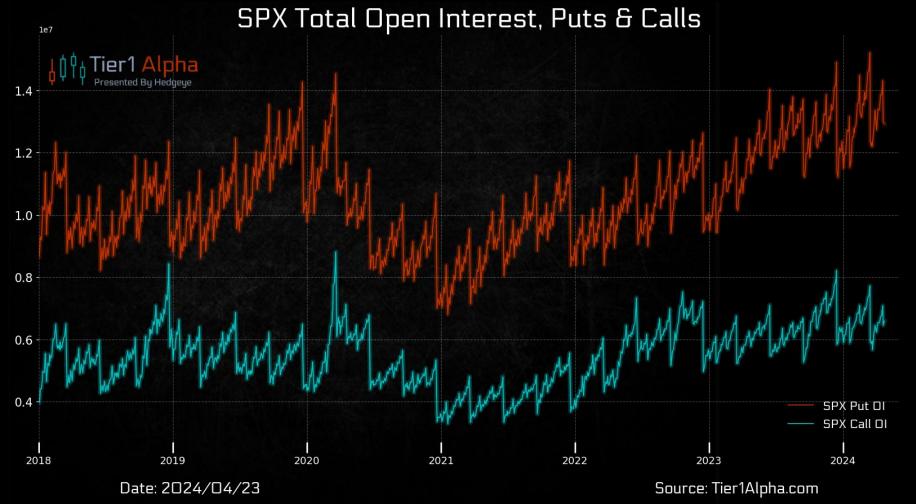






Source: Tier1Alpha.com



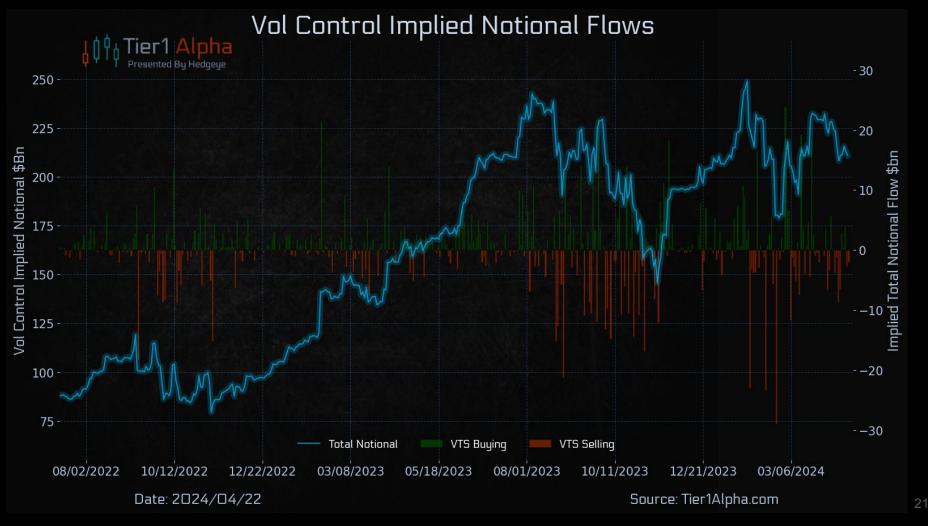


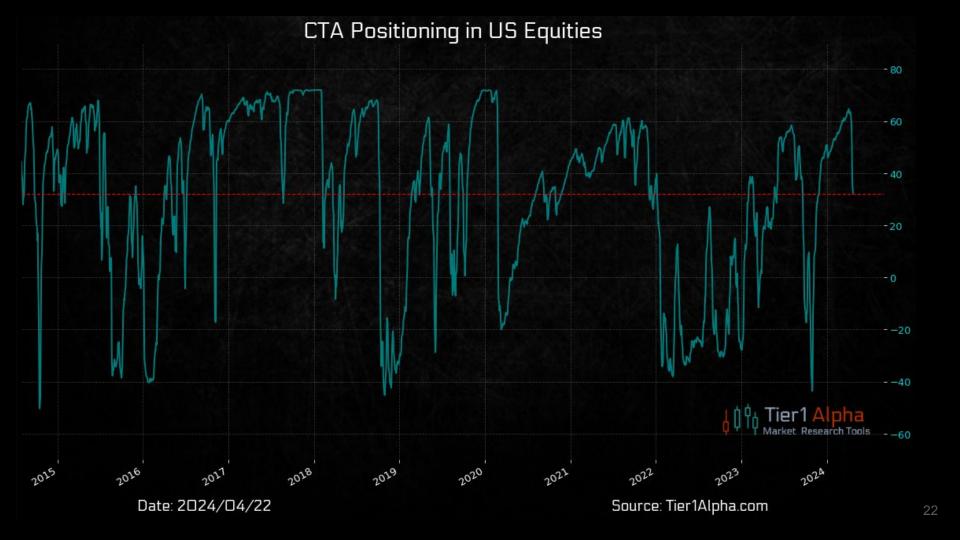




Date: 2024/04/22 Source: Intrinio/Tier1Alpha.com

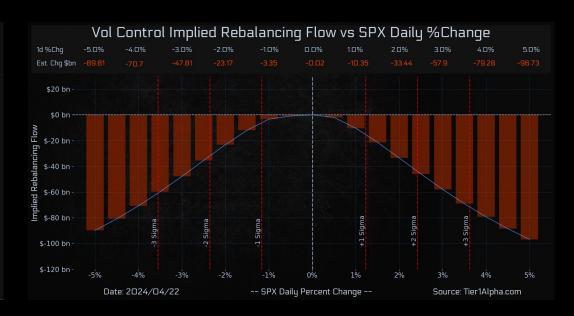




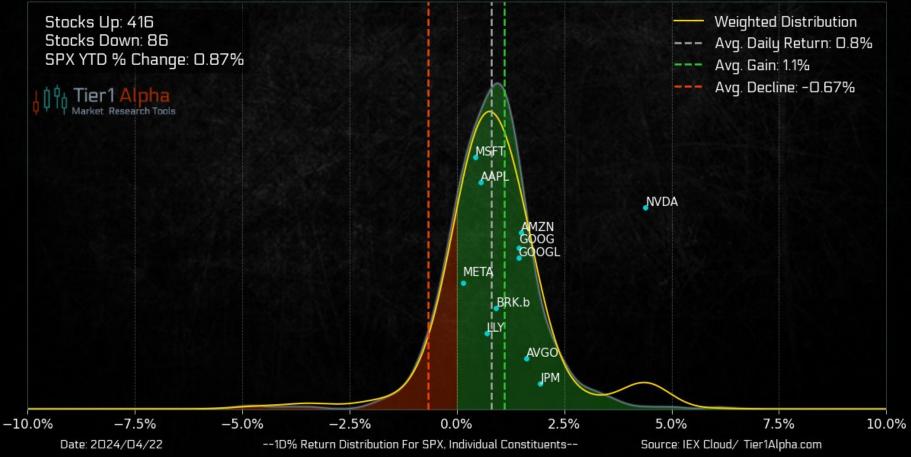


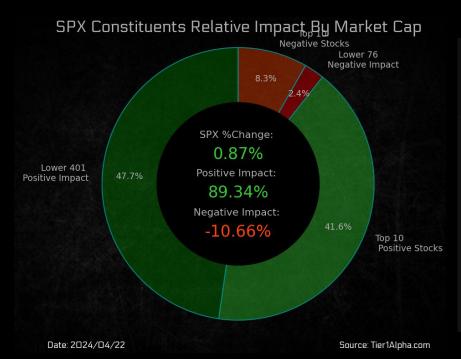


SPX Realized Vol Data In Sample for 2024-04-23							
Dropoff	1m Dates	1m Drop %	3m Dates	3m Drop %			
T+1	2024-03-25	-0.3%	2024-01-24	0.1%			
T+2	2024-03-26	-0.3%	2024-01-25	0.5%			
T+3	2024-03-27	0.9%	2024-01-26	-0.1%			
T+4	2024-03-28	0.1%	2024-01-29	0.8%			
T+5	2024-04-01	-0.2%	2024-01-30	-0.1%			
T+6	2024-04-02	-0.7%	2024-01-31	-1.6%			
T+7	2024-04-03	0.1%	2024-02-01	1.2%			
T+8	2024-04-04	-1.2%	2024-02-02	1.1%			
T+9	2024-04-05	1.1%	2024-02-05	-0.3%			
T+10	2024-04-08	-0.0%	2024-02-06	0.2%			

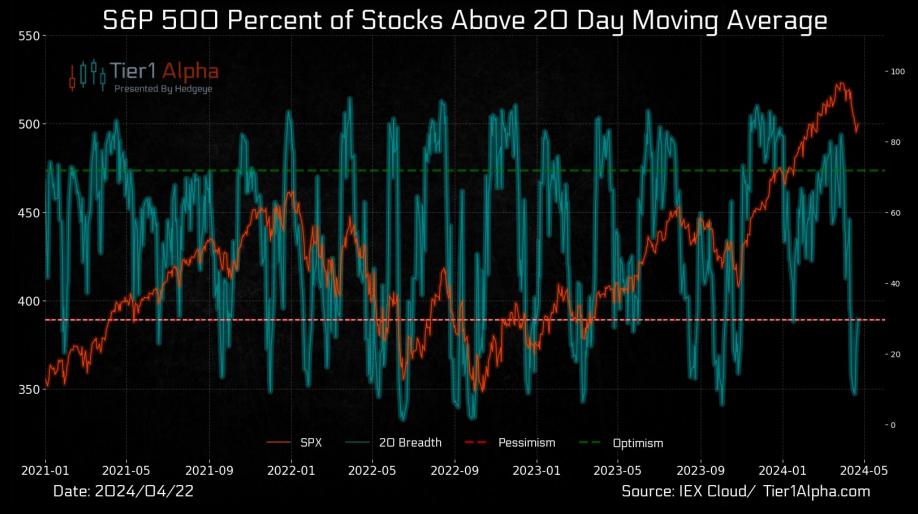


S&P 500 MBAD Indicator for 2024/04/22





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	
NVDA	4.4%	19.3%	4.97%	TSLA	-3.4%	-3.0%	0.99%	
AMZN	1.5%	5.1%	3.89%	UNH	-2.0%	-1.9%	1.08%	
AAPL	0.6%	2.8%	5.76%	VZ	-4.7%	-1.6%	0.4%	
GOOGL	1.4%	2.8%	2.19%	NEM	-4.0%	-0.4%	0.11%	
MSFT	0.4%	2.7%	7.14%	T	-1.2%	-0.3%	0.28%	
GOOG	1.4%	2.3%	1.85%	CAH	-5.0%	-0.3%	0.06%	
JPM	1.9%	2.1%	1.24%	DIS	-0.6%	-0.2%	0.49%	
AVGO	1.6%	1.9%	1.32%	PGR	-0.8%	-0.2%	0.29%	
BRK.B	0.9%	1.4%	1.73%	FCX	-1.3%	-0.2%	0.17%	
PG	1.5%	1.2%	0.88%	csco	-0.4%	-0.2%	0.46%	





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