

Market Structure Report

04-19-2024

Lega

HEDGEYE

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Summary:

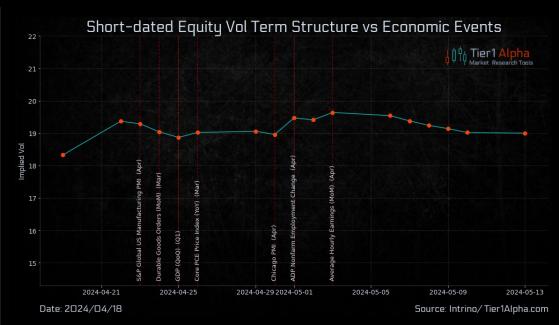
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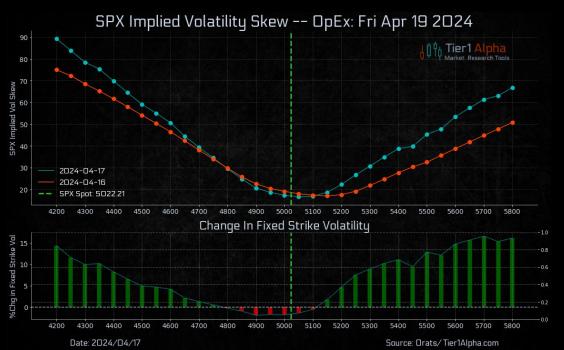
- Dealers continue to tread in negative gamma, which suggests the market remains susceptible to a sudden increase in volatility.
- However, after today's expiration, we should see a significant amount
 of gamma removed from the market, which will ease some of the
 hedging requirements market makers face. Overall, we expect to see
 around \$1.3T in notional open interest either expire or be rolled into the
 next month's contracts, which is slightly above average for a monthly
 expiration.
- Even after OpEx, we expect market makers will remain in negative territory, since the gamma flipping point will shift back up to the 5200 strike, which is around 3.75% higher.
- This means we'll be entering the heart of earnings season in a higher volatility regime, while at the same time, geopolitical risks are rapidly escalating, and CTA funds have started deleveraging at the fastest pace in nearly 8 months. Given even just one of those factors and we'd consider it a high-risk setup, but the confluence of all four vastly raises the potential for a more significant volatility event.

- For today, the 4975 strike is back in play on the downside, although SPX futures have already broken this level after hours due to the escalation between Israel and Iran. Because of this, we're less confident that our lower range will hold today, especially since dealers will be forced to sell as the market moves lower.
- CTAs have sold off an estimated \$20B in equities since Monday, but
 the selling flows from Vol control funds and Risk parity strategies have
 been much less aggressive. In fact, Vol control funds have actually
 been adding back around \$7B in equity exposure over the past two
 days, although we suspect that's the last bullish flow we'll see until the
 end of the month.
- In any case, that leaves a lot of potential deleveraging risk on the table if volatility increases from here, which is why we're still considering this an extremely dangerous setup from a positioning standpoint, especially as we head deeper into the Q1 earnings season.

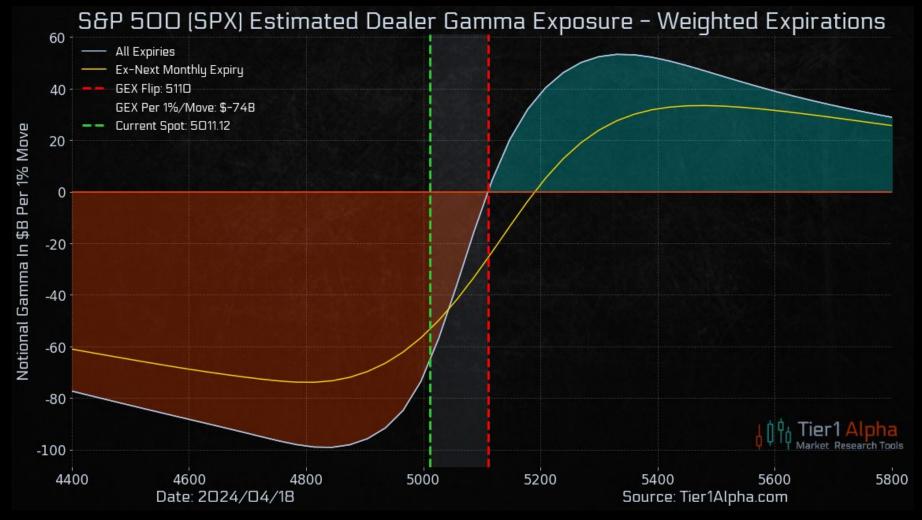
Volatility Regime:	Low	Neutral	High
Flow Risk:	Bullish	Neutral	Bearish
PV Band Risk/Reward:	Long	Neutral	Short

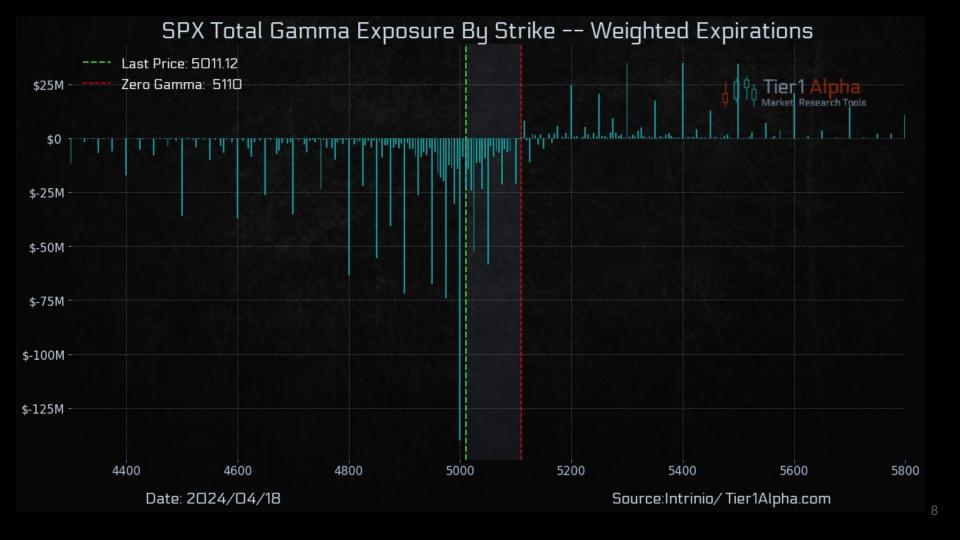
Economic Event Calendar								
Date	Event	Estimate	Previous	Impact	SPX IV			
2024-04-23	S&P Global US Manufacturing PMI (Apr)	nan	51.9	High	19.29			
2024-04-23	S&P Global Services PMI (Apr)	nan	51.7	High	19.29			
2024-04-23	New Home Sales (Mar)	nan	662K	High	19.29			
2024-04-24	Durable Goods Orders (MoM) (Mar)	nan	1.4%	High	19.04			
2024-04-24	Crude Oil Inventories	nan	2.735M	High	19.04			
2024-04-25	GDP (QoQ) (Q1)	nan	3.4%	High	18.87			
2024-04-25	Initial Jobless Claims	nan	nan	High	18.87			
2024-04-26	Core PCE Price Index (MoM) (Mar)	nan	0.3%	High	19.02			
2024-04-26	Core PCE Price Index (YoY) (Mar)	nan	2.8%	High	19.02			
2024-04-30	Chicago PMI (Apr)	nan	41.4	High	18.96			
2024-04-30	CB Consumer Confidence (Apr)	nan	104.7	High	18.96			
2024-05-01	ADP Nonfarm Employment Change (Apr)	nan	184K	High	19.47			
2024-05-01	S&P Global US Manufacturing PMI (Apr)	nan	nan	High	19.47			
2024-05-01	ISM Manufacturing PMI (Apr)	nan	50.3	High	19.47			
2024-05-01	ISM Manufacturing Prices (Apr)	nan	55.8	High	19.47			

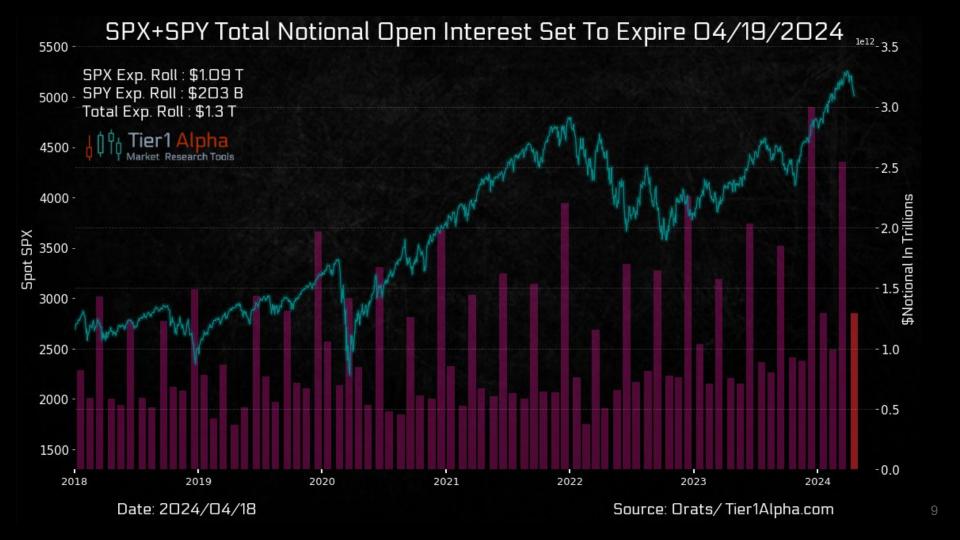




SPX Implied Volatility with Fixed Strike Vol							
Expiration		19 2024		17 2024	Fri Jun 21 2024		
Strike	Implied Vol	FSV Change	Implied Vol	FSV Change	Implied Vol	FSV Change	
4700.0	39.4	1.28	20.19	-0.6	19.53		
4750.0	34.52	0.53	19.38	-0.57	18.88		
4800.0	29.55	-0.27	18.6	-0.52	18.25		
4850.0	24.86	-0.96	17.85	-0.49	17.64	-0.34	
4900.0	20.65		17.11	-0.47	17.03	-0.32	
4950.0	18.69		16.4	-0.43	16.44		
5000.0	17.33	-1.8	15.7	-0.41	15.86	-0.3	
5050.0	16.61		15.03	-0.39	15.31		
5100.0	16.85	-0.54	14.41	-0.36	14.8	-0.28	
5150.0	18.73	1.73	13.86	-0.32	14.31	-0.26	
5200.0	22.27	4.66	13.39	-0.27	13.87	-0.23	
5250.0	26.66	7.5	13.07	-0.22	13.47	-0.21	
5300.0	30.72	8.89	12.88	-0.17	13.11	-0.19	
5350.0	34.9	10.18	12.94		12.79	-0.17	
5400.0	38.77	11.07	13.22	0.13	12.51	-0.18	
5450.0	39.78	9.43	13.56	0.3	12.32	-0.15	
5500.0	45.37	12.84	13.97	0.34	12.19	-0.13	
5550.0	47.81	12.13	14.64	0.53	12.14		
5600.0	53.5	14.72	15.25	0.61	12.2		
5650.0	57.5	15.66	15.83	0.64	12.31	0.0	
5700.0	61.41	16.55	16.64	0.76	12.5	0.03	

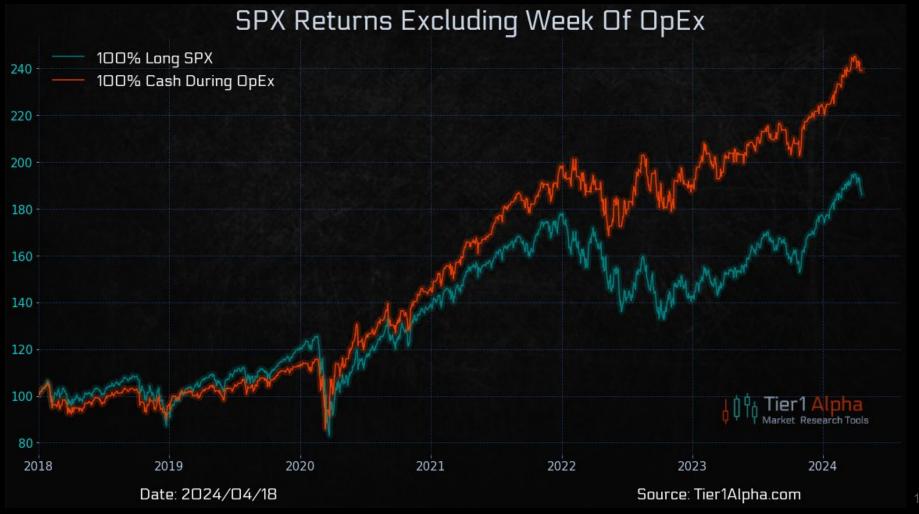


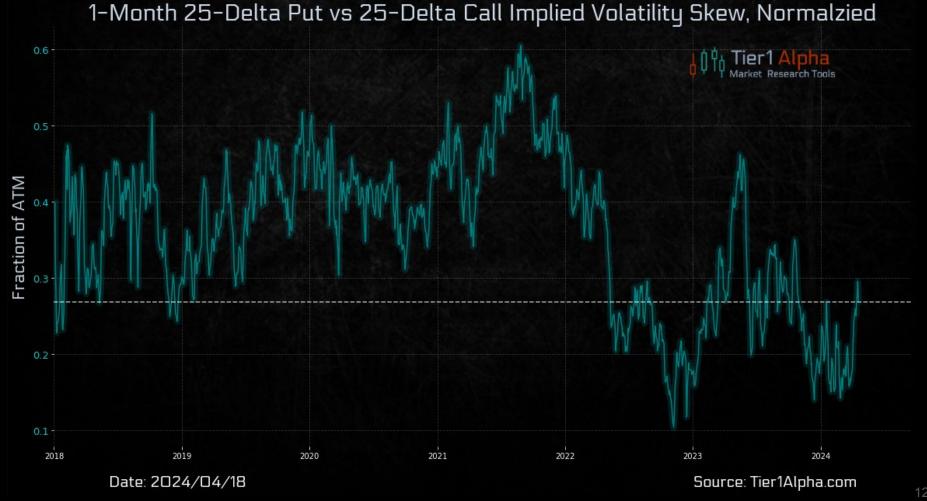


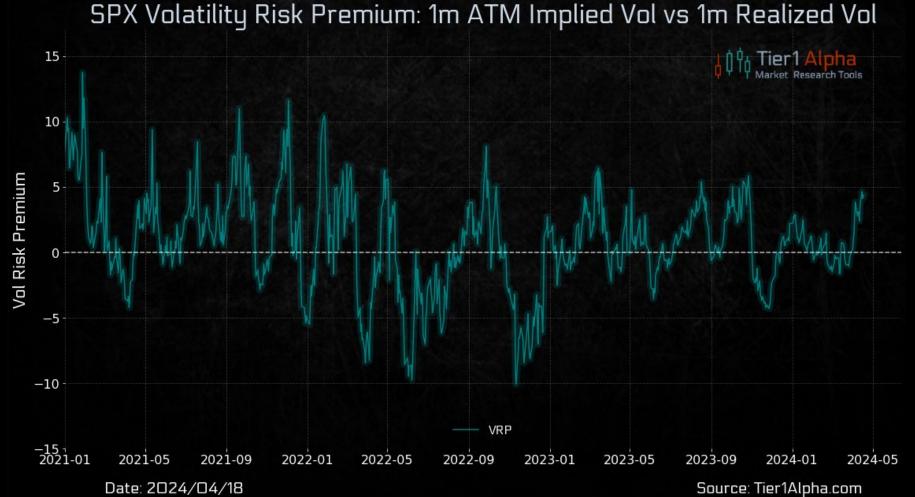


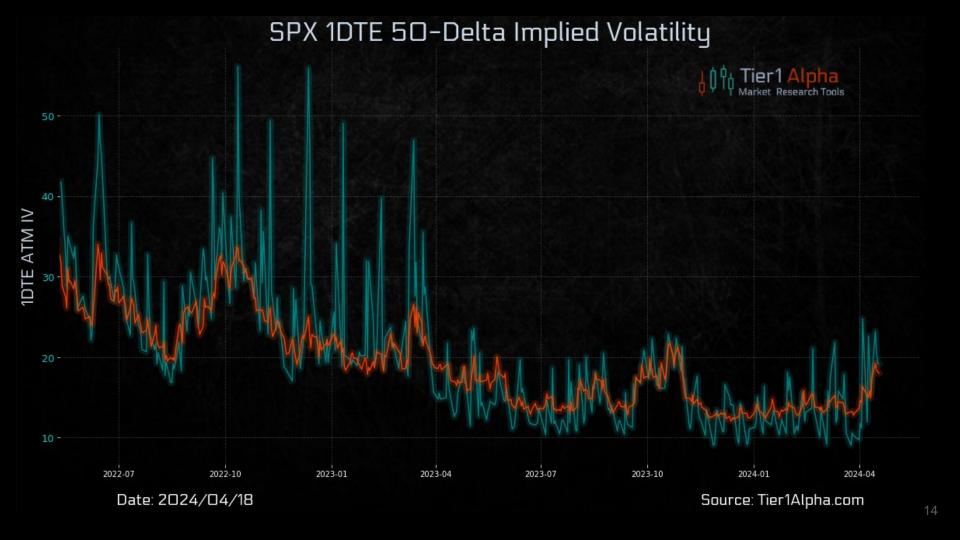
S&P 500 Post-OpEx Week Returns by Month and Year (2018-Present)

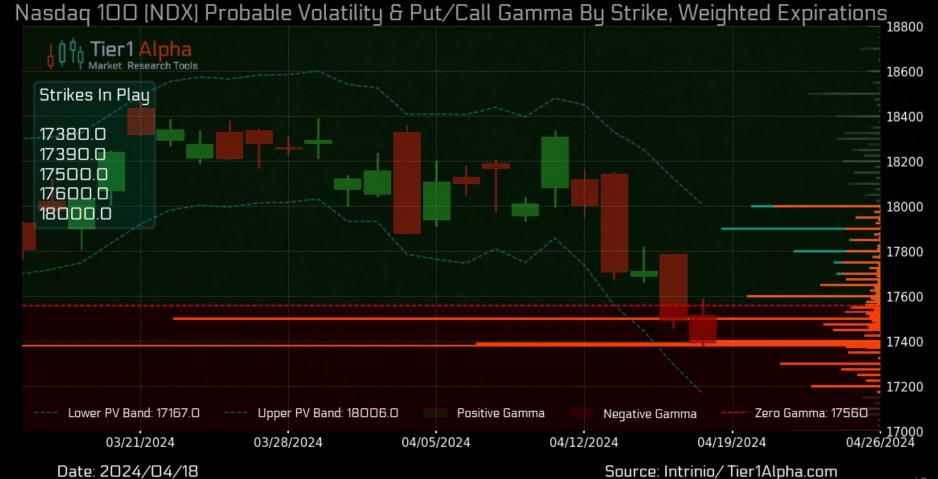
	2018	2019	2020	2021	2022	2023	2024	Monthly Average
January	1.1%	1.53%	1.58%	-0.76%	-3.94%	-1.03%	0.01%	-0.22%
February	4.26%	1.4%	-0.02%	-0.06%	-0.87%	-0.0%	0.06%	0.68%
March	-1.41%	2.38%	-11.13%	-0.71%	4.93%	2.56%	0.52%	-0.41%
April	1.39%	0.42%	nan%	1.01%	-1.19%	-0.19%	-2.19%	-0.13%
May	-0.28%	-0.18%	-2.64%	-0.35%	-3.06%	1.79%	nan%	-0.79%
June	0.12%	2.33%	2.43%	-0.6%	-6.0%	2.95%	nan%	0.21%
July	0.11%	-0.62%	0.96%	-0.22%	-2.8%	0.65%	nan%	-0.32%
August	0.26%	-2.43%	0.38%	-1.39%	0.08%	-2.1%	nan%	-0.87%
September	0.89%	-0.02%	0.48%	0.34%	-4.08%	1.07%	nan%	-0.22%
October	0.06%	2.04%	1.06%	0.88%	2.31%	-1.15%	nan%	0.86%
November	-2.73%	0.37%	-0.09%	0.46%	-0.25%	3.7%	nan%	0.24%
December	-5.1%	1.15%	1.61%	-0.92%	-0.98%	2.5%	nan%	-0.29%
Annual Average	-0.11%	0.7%	-0.49%	-0.19%	-1.32%	0.9%	-0.4%	nan%





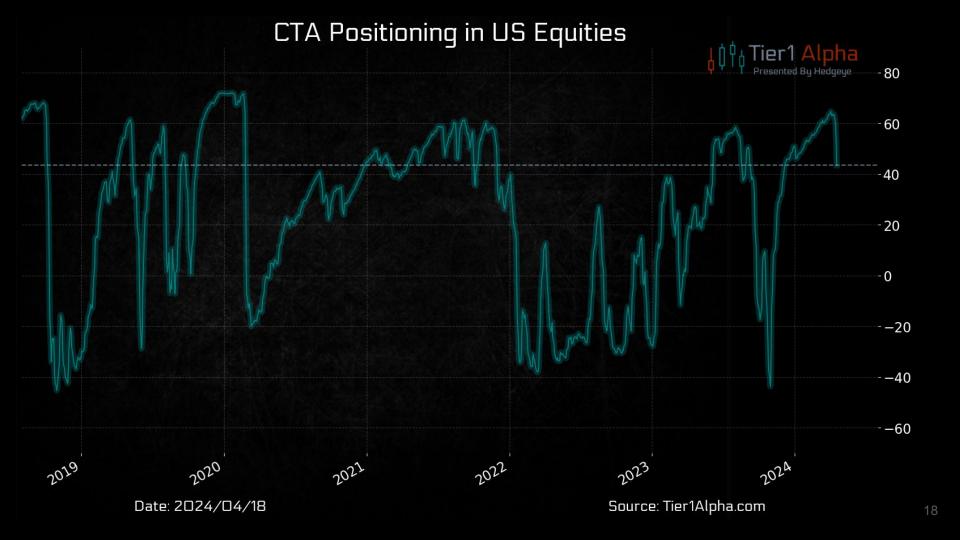


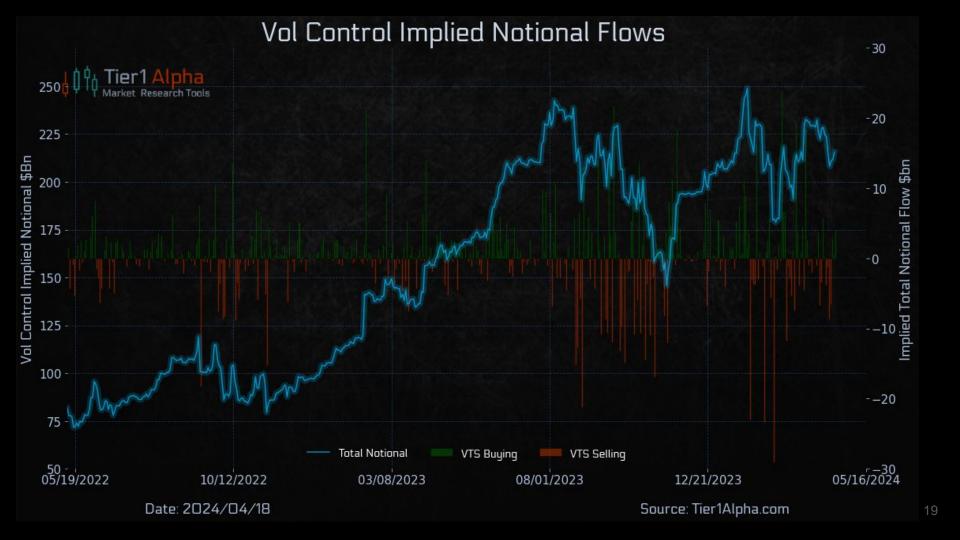






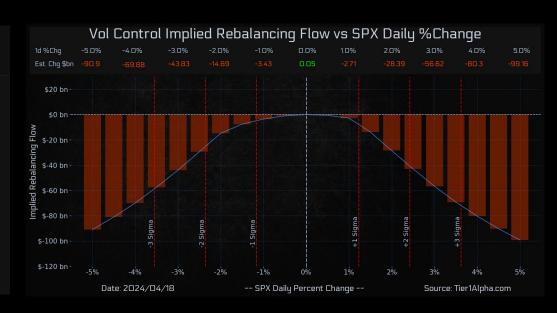




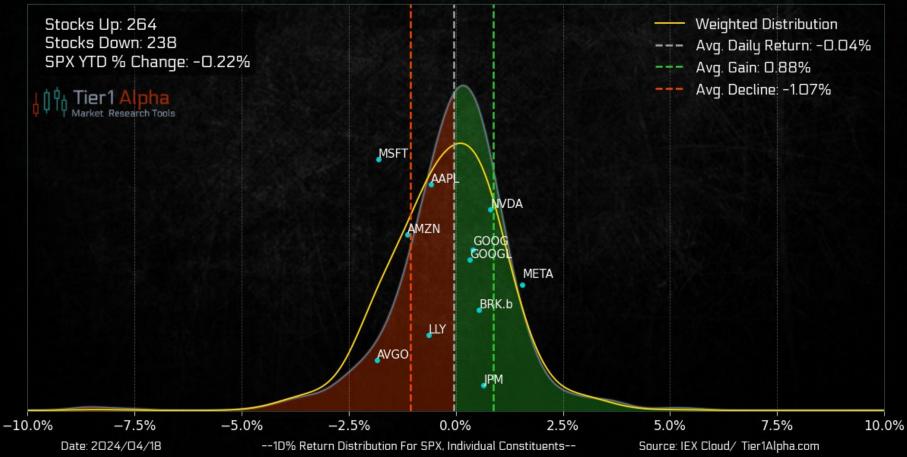


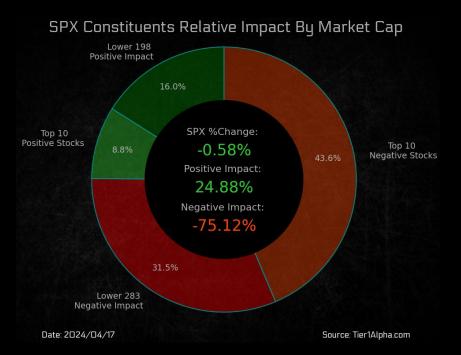


SPX Realized Vol Data In Sample for 2024-04-19							
Dropoff	1m Dates	1m Drop %	3m Dates	3m Drop %			
T+1	2024-03-21	0.3%	2024-01-22	0.2%			
T+2	2024-03-22	-0.1%	2024-01-23	0.3%			
T+3	2024-03-25	-0.3%	2024-01-24	0.1%			
T+4	2024-03-26	-0.3%	2024-01-25	0.5%			
T+5	2024-03-27	0.9%	2024-01-26	-0.1%			
T+6	2024-03-28	0.1%	2024-01-29	0.8%			
T+7	2024-04-01	-0.2%	2024-01-30	-0.1%			
T+8	2024-04-02	-0.7%	2024-01-31	-1.6%			
T+9	2024-04-03	0.1%	2024-02-01	1.2%			
T+10	2024-04-04	-1.2%	2024-02-02	1.1%			



S&P 500 MBAD Indicator for 2024/04/18





SDV Capatituanta Balativa Impact Bu Market Cap								
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	
UNH	2.2%	1.8%	0.97%	NVDA	-3.9%	-17.0%	5.0%	
GOOGL	0.7%	1.3%	2.15%	AAPL	-0.8%	-4.2%	5.9%	
GOOG	0.6%	0.9%	1.82%	MSFT	-0.7%	-4.2%	7.23%	
NEE	3.4%	0.9%	0.3%	AVGO	-3.5%	-4.2%	1.36%	
BAC	1.6%	0.8%	0.58%	AMZN	-1.1%	-3.9%	3.95%	
MCD	1.7%	0.7%	0.45%	AMD	-5.8%	-3.1%	0.61%	
LLY	0.5%	0.7%	1.41%	META	-1.1%	-2.5%	2.59%	
ABBV	1.1%	0.6%	0.67%	AMAT	-4.6%	-1.6%	0.4%	
WFC	1.4%	0.6%	0.48%	PLD	-7.2%	-1.6%	0.25%	
PEP	1.2%	0.6%	0.54%	LRCX	-5.3%	-1.3%	0.29%	

S&P 500 Breadth: % of Stocks with RSI Below 30 - 70 500 --60 450 -- 50 400-350 -- 30 300--20 250-- 10 200

2021

2022

2023

Source: IEX Cloud/ Tier1Alpha.com

2018

2019

Date: 2024/04/18

2020

2024



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