

Market Structure Report

04-18-2024

Lega

HEDGEYE

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Summary:

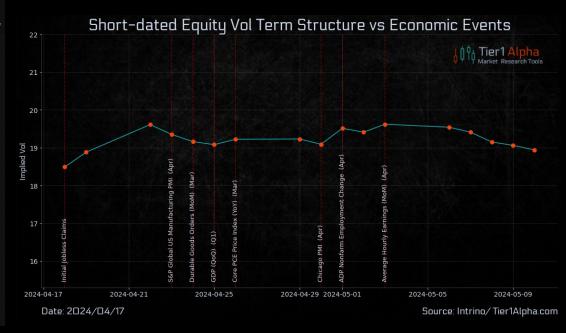
Tier1 Alpha
Market Research Tools

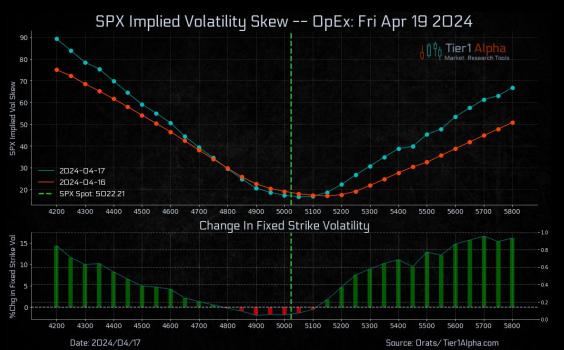
- Dealers remain aggressively short gamma at the current levels, suggesting that higher volatility is still likely.
- However, we've seen most of the increase in volatility contained intraday, while the close-to-close volatility has remained surprisingly low.
- While there are several corners of the market we can point to as to why
 realized Vol has been subdued, we believe it has primarily been due to
 the rapid monetization of Puts during any market sell-offs, which
 reduces the necessity for funds and investors to have to liquidate their
 underlying positions when asset prices decline.
- We suspect this rapid monetization contributed to yesterday's Vol down/spot-down scenario, in which both the VIX and fixed-strike volatility fell even though markets moved lower.
- As expected, our PV bands have shifted lower, putting the 5000 strike back in play for the first time since mid-February. All else being equal, we expect the 5000 strike to hold today, given we have exhausted a bulk of the downside convexity in our gamma curve.

- That said, our PV bands suggest moderately lower levels are still
 possible, with the 4975 strike a likely target towards the downside.
 Remember, though, negative gamma works both ways, so the
 potential for a crash higher toward the 5050 strike and beyond is well
 within our model.
- CTA funds have started to see some notable selling take place, with an estimated \$11 billion in equity exposure sold so far this week, which is mostly associated with the trend component in the strategy.
- Combine that with some moderate selling from Vol control funds, and that total comes up to around \$14B in net selling flows. Not a small number, but also not quite the deleveraging event many are making it out to be. However, we suspect these systematic strategies are just getting started, especially if dealers remain short gamma and realized volatility trends significantly higher.
- That makes this a particularly dangerous setup from a positioning standpoint, and while every crash is different, one we've seen play out time and time again.

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

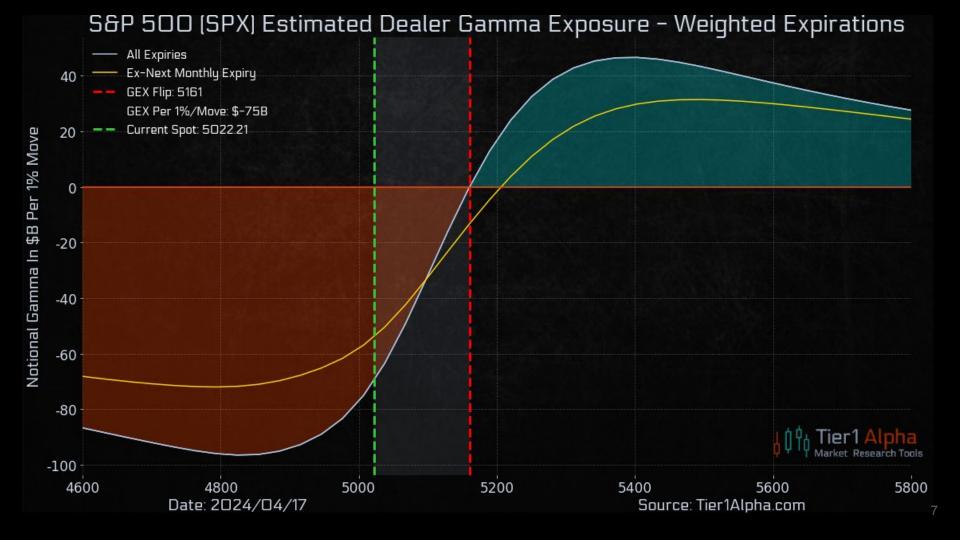
Economic Event Calendar						
Date	Event	Estimate	Previous	Impact	SPX IV	
2024-04-18	Initial Jobless Claims	215K	211K	High	18.49	
2024-04-18	Philadelphia Fed Manufacturing Index (Apr)	1.5	3.2	High	18.49	
2024-04-18	Existing Home Sales (Mar)	4.20M	4.38M	High	18.49	
2024-04-23	S&P Global US Manufacturing PMI (Apr)	nan	51.9	High	19.35	
2024-04-23	S&P Global Services PMI (Apr)	nan	51.7	High	19.35	
2024-04-23	New Home Sales (Mar)	nan	662K	High	19.35	
2024-04-24	Durable Goods Orders (MoM) (Mar)	nan	1.3%	High	19.16	
2024-04-25	GDP (QoQ) (Q1)	nan	3.4%	High	19.08	
2024-04-25	Initial Jobless Claims	nan	nan	High	19.08	
2024-04-26	Core PCE Price Index (YoY) (Mar)	nan	2.8%	High	19.22	
2024-04-26	Core PCE Price Index (MoM) (Mar)	nan	0.3%	High	19.22	
2024-04-30	Chicago PMI (Apr)	nan	41.4	High	19.09	
2024-04-30	CB Consumer Confidence (Apr)	nan	104.7	High	19.09	
2024-05-01	ADP Nonfarm Employment Change (Apr)	nan	184K	High	19.51	
2024-05-01	S&P Global US Manufacturing PMI (Apr)	nan	nan	High	19.51	

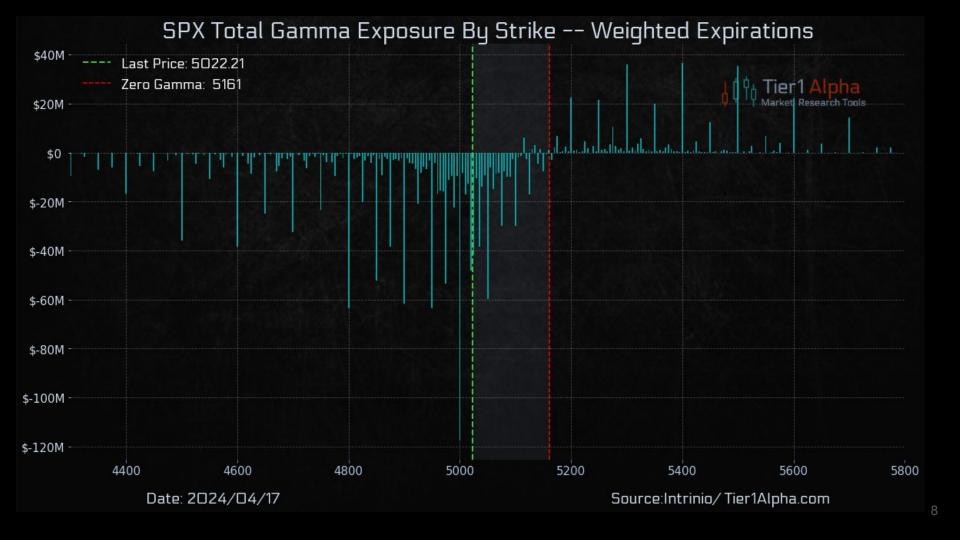


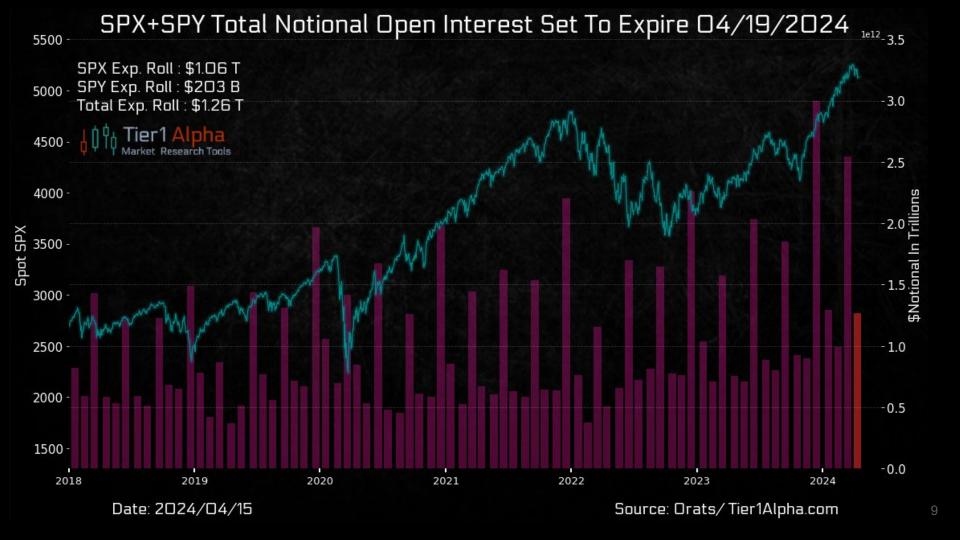


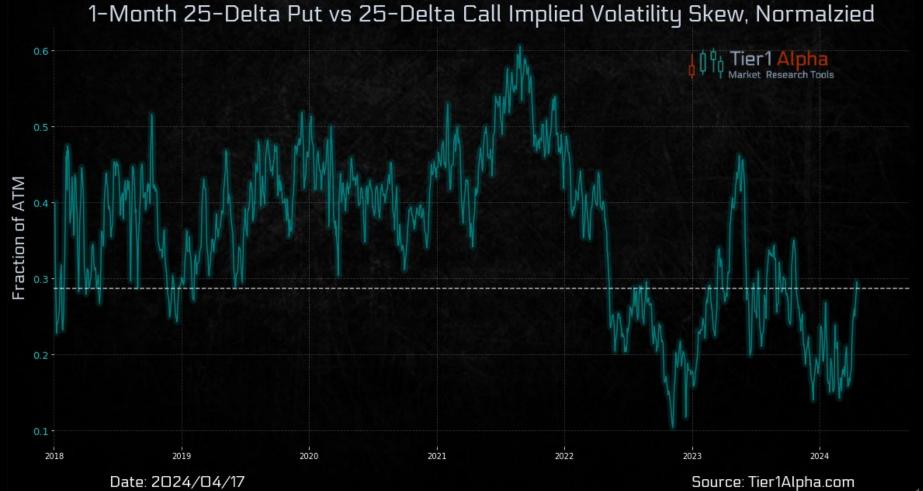
SPX Implied Volatility with Fixed Strike Vol							
Expiration				17 2024	Fri Jun 21 2024		
Strike	Implied Vol	FSV Change	Implied Vol	FSV Change	Implied Vol	FSV Change	
4700.0	39.4	1.28	20.19	-0.6	19.53		
4750.0	34.52	0.53	19.38	-0.57	18.88		
4800.0	29.55	-0.27	18.6	-0.52	18.25		
4850.0	24.86	-0.96	17.85	-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	

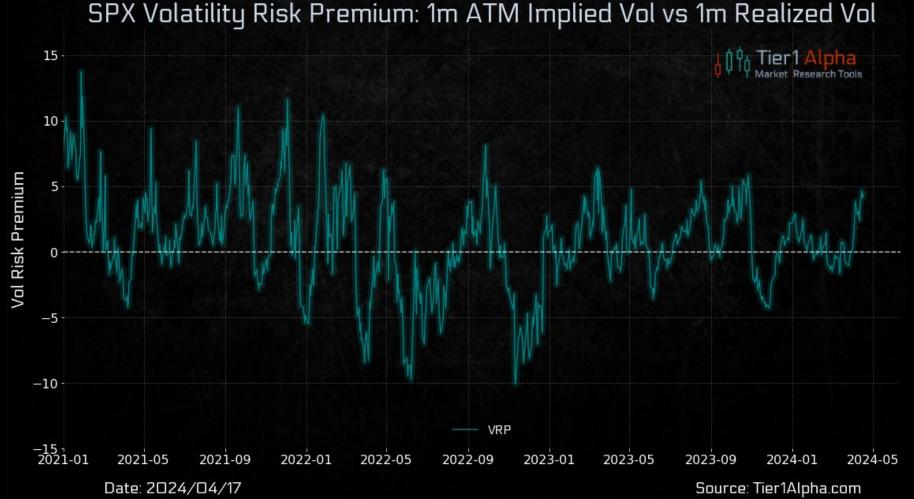


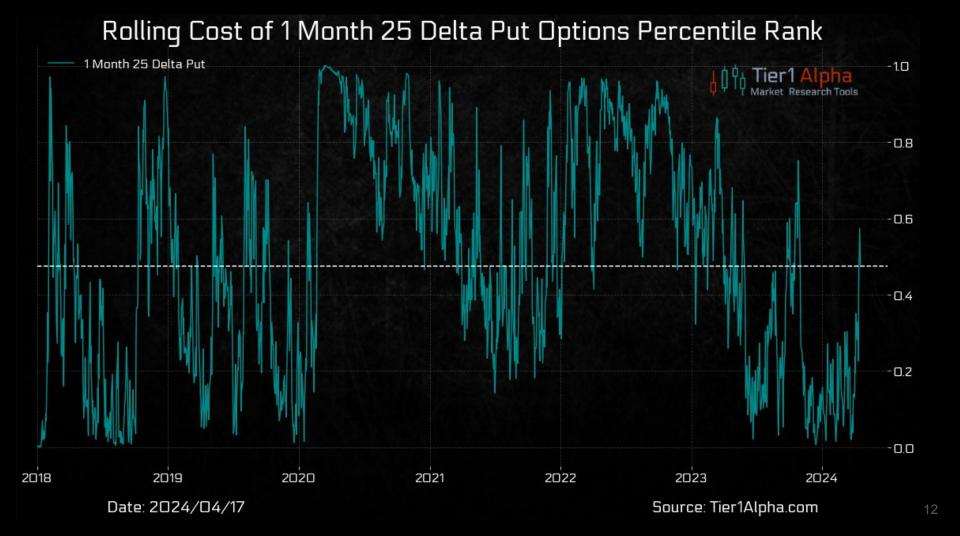


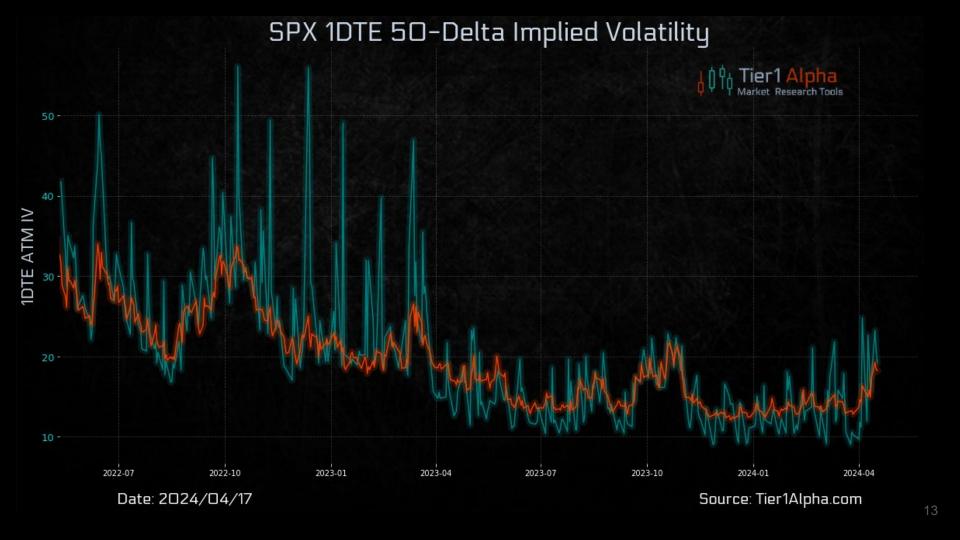


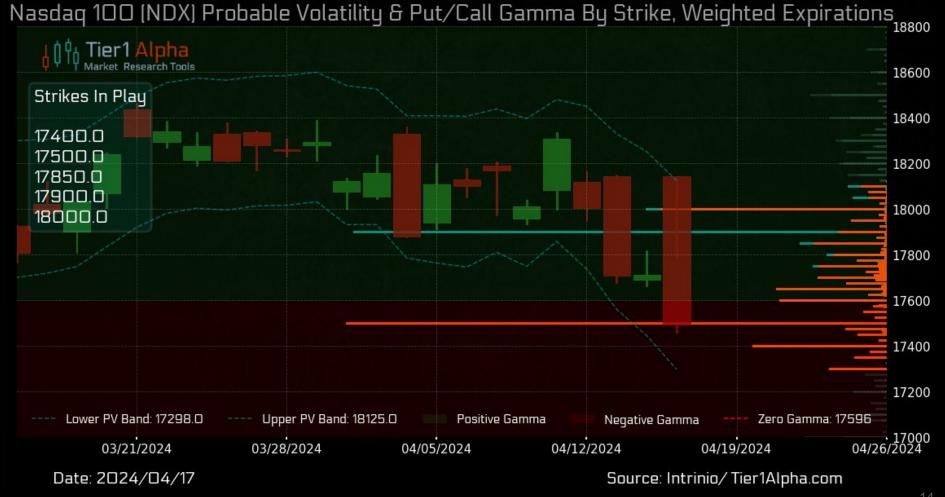




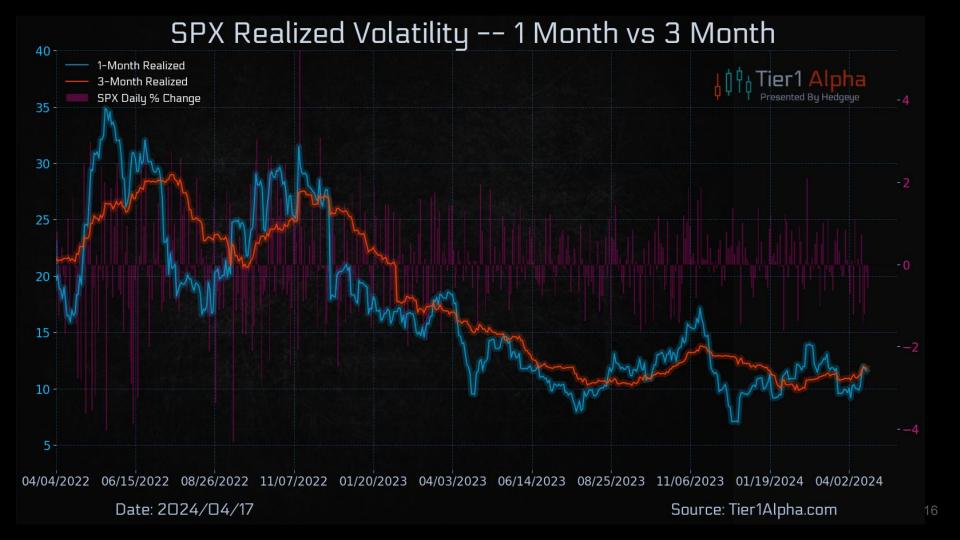


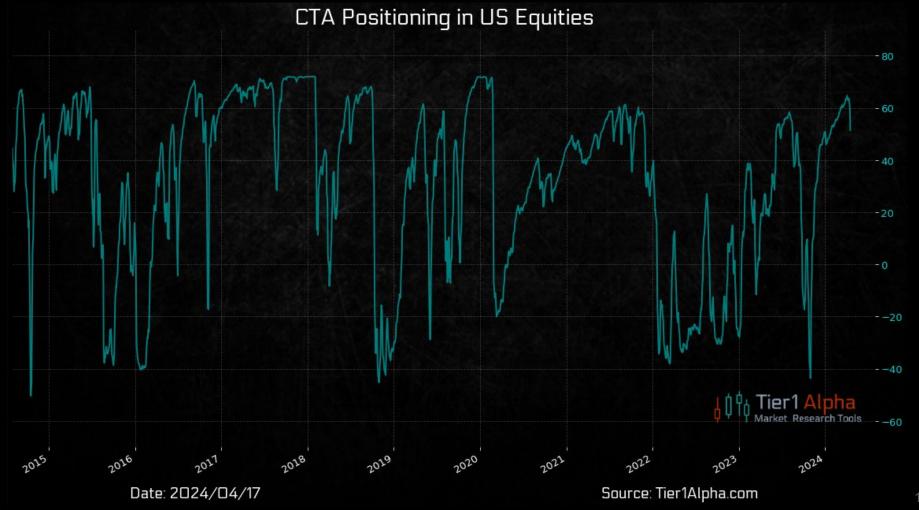


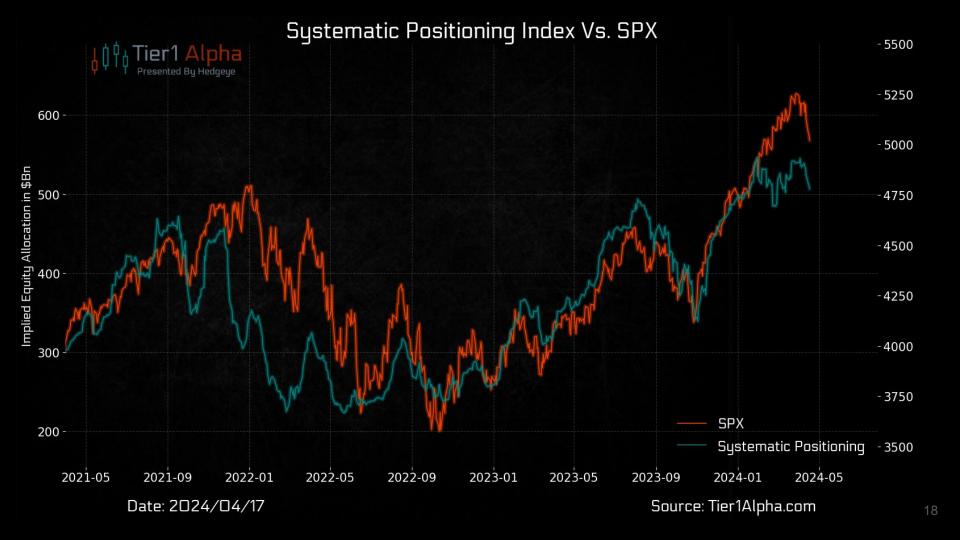








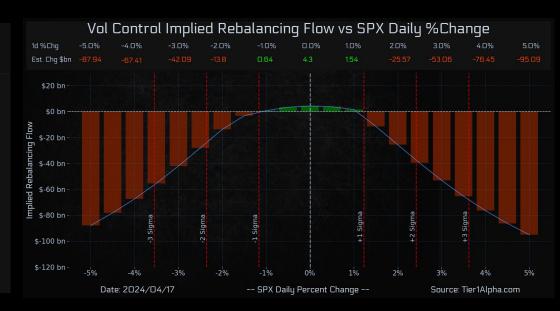




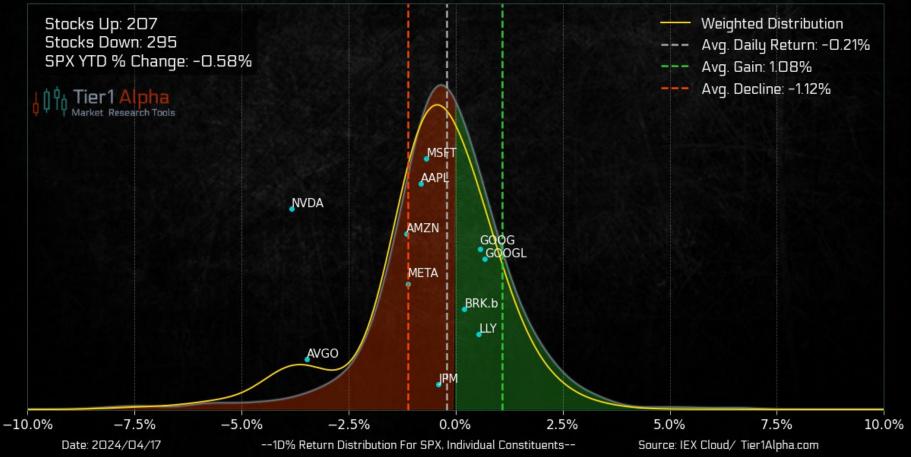


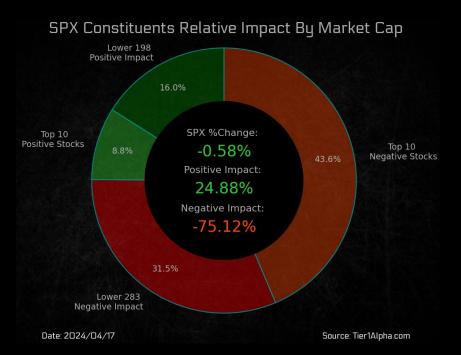
SPX Realized Vol Data In Sample for 2024-04-18

Dropoff	1m Dates	1m Drop %	3m Dates	3m Drop %
T+1	2024-03-20	0.9%	2024-01-19	1.2%
T+2	2024-03-21	0.3%	2024-01-22	0.2%
T+3	2024-03-22	-0.1%	2024-01-23	0.3%
T+4	2024-03-25	-0.3%	2024-01-24	0.1%
T+5	2024-03-26	-0.3%	2024-01-25	0.5%
T+6	2024-03-27	0.9%	2024-01-26	-0.1%
T+7	2024-03-28	0.1%	2024-01-29	0.8%
T+8	2024-04-01	-0.2%	2024-01-30	-0.1%
T+9	2024-04-02	-0.7%	2024-01-31	-1.6%
T+10	2024-04-03	0.1%	2024-02-01	1.2%

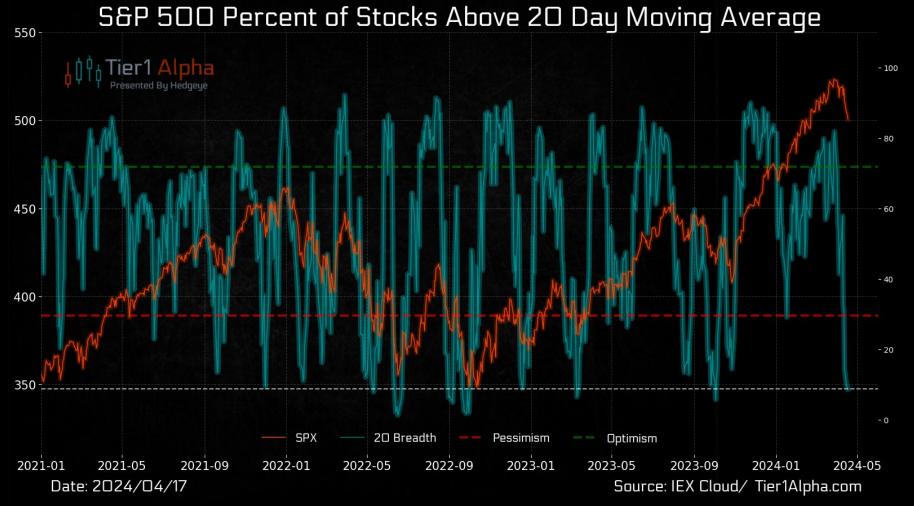


S&P 500 MBAD Indicator for 2024/04/17





SDY Constituents Bolative Impact By Market Can							
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%





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