

Market Structure Report

04-17-2024

Lega

HEDGEYE

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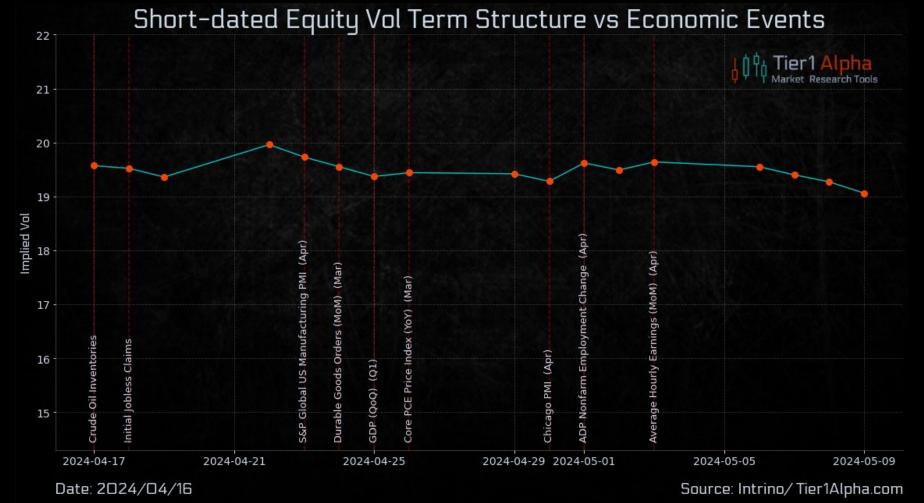
Summary:



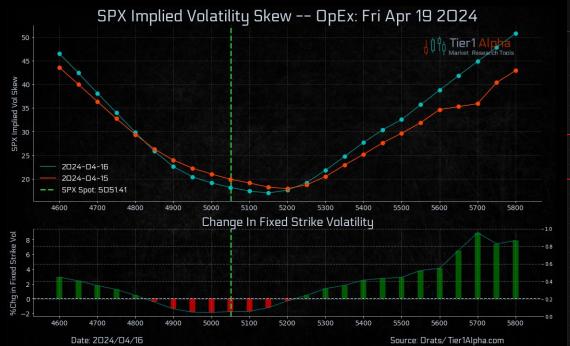
- Dealers remain short gamma, which means the conditions for higher volatility are still firmly in place. However, it's important to note that we're now closer to the bottom of our gamma curve, which begins to level out below the 5000 strike.
- While we anticipate volatility to remain elevated below that level, dealers would be generally well-hedged against downside convexity, making the 5000 strike a strong potential support level in the near term.
- However, with the April options expiration just around the corner, we expect some repositioning to occur at these lower strikes, potentially pushing the bottom of our gamma curve even lower.
- Overall, we estimate that around \$1.2 trillion in SPX/ SPY notional open interest will either expire or be rolled into the May contracts this Friday, which will remove a large amount of gamma from the market.

- Consequently, dealers will likely remain short gamma after the
 expiration unless the SPX can climb back above the 5200 strike by
 then. That said, it's important to note that we've seen skew increase
 the most in 30-day and 90-day contracts, which will remain unaffected
 by the expiration.
- Our SPX probable volatility bands have continued to trend lower, putting the 5025 strike back in play. However, given how close the 5000 strike is at this point, we wouldn't be surprised to see that level hit on a strong enough downside move.
- Despite the moderate breadth profile, 50-day breadth continued to deteriorate. Currently, only 30% of the index is still trading higher than their respective 50-day moving averages, which is a 15th percentile level over the past decade. This leaves plenty of room for further downside, which, if history is a guide, we're likely to see before a recovery.

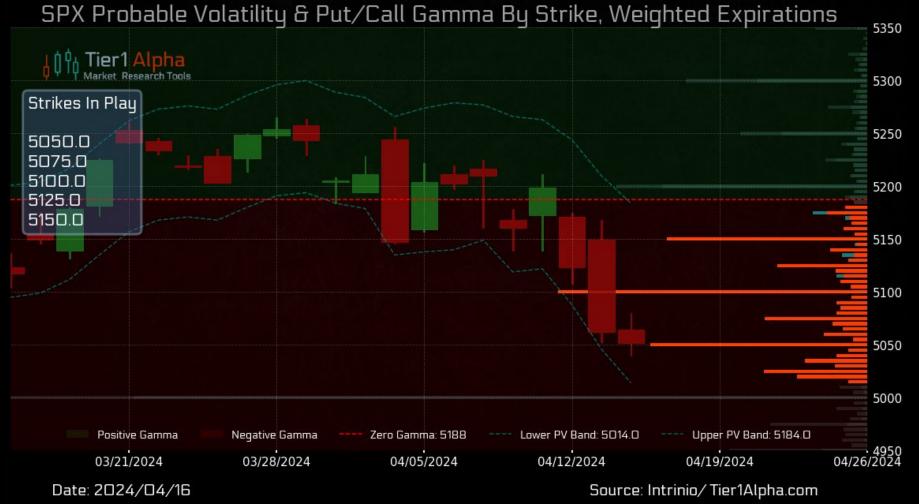
Volatility Regime:	Low	Neutral	High
Flow Risk:	Bullish	Neutral	Bearish
PV Band Risk/Reward:	Long	Neutral	Short



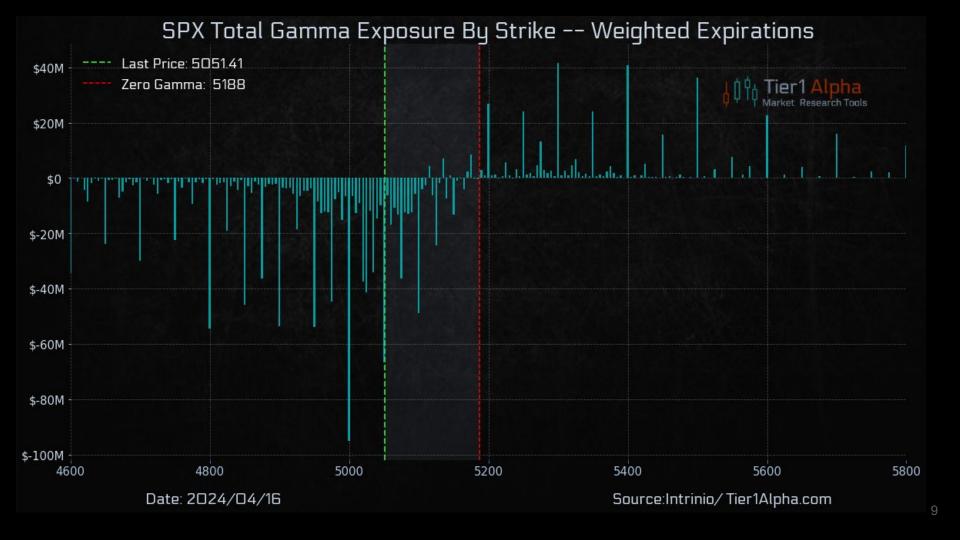
Economic Event Calendar With Short-Dated Options Positioning										
Date	Event	Estimate	Previous	Impact	Call IV	Put IV	SPX IV	Expected Move	P/C Vol	P/C OI
2024-04-17	Mortgage Rate		7.01	low	19.78	19.74	19.76	+/- 1.02%	1.06	2.03
2024-04-17	Mortgage Applications		0.1	low	19.78	19.74	19.76	+/- 1.02%	1.06	2.03
2024-04-17	MBA Mortgage Refinance Index		498.3	low	19.78	19.74	19.76	+/- 1.02%	1.06	2.03
2024-04-17	MBA Purchase Index		138.7	low	19.78	19.74	19.76	+/- 1.02%	1.06	2.03
2024-04-18	Continuing Jobless Claims		1817.0	low	20.65	19.13	19.89	+/- 1.47%	1.98	2.66
2024-04-18	Initial Jobless Claims	214.0	211.0	medium	20.65	19.13	19.89	+/- 1.47%	1.98	2.66
2024-04-18	Philly Fed Employment		-9.6	low	20.65	19.13	19.89	+/- 1.47%	1.98	2.66
2024-04-18	Philly Fed New Orders		5.4	low	20.65	19.13	19.89	+/- 1.47%	1.98	2.66
2024-04-18	Philly Fed Prices Paid		3.7	low	20.65	19.13	19.89	+/- 1.47%	1.98	2.66

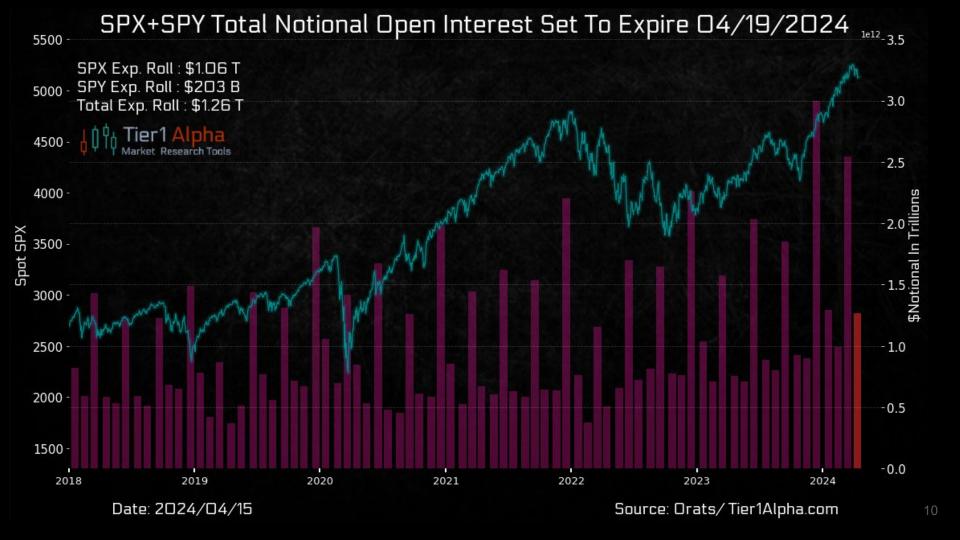


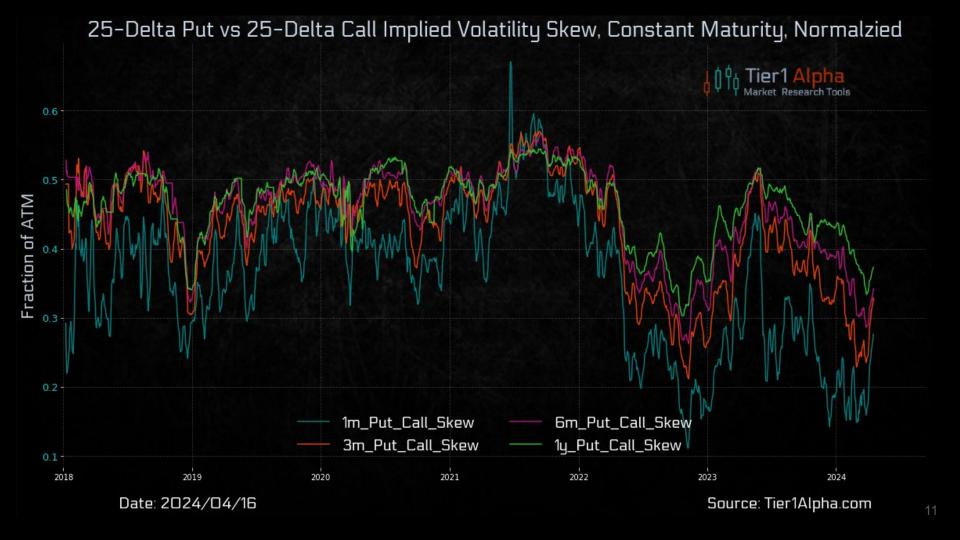
SPX Implied Volatility with Fixed Strike Vol							
		9 2024	Fri May	17 2024	Fri Jun 21 2024		
Strike	Implied Vol	FSV Change	Implied Vol	FSV Change	Implied Vol	FSV Change	
4700.0	38.12		20.79		19.96		
4750.0	33.99		19.95		19.29		
4800.0	29.82	0.45	19.12	-0.8	18.62		
4850.0	25.82		18.34		17.98		
4900.0	22.57		17.58		17.35		
4950.0	20.42	-1.83	16.83	-0.73	16.75	-0.66	
5000.0	19.13		16.11				
5050.0	18.16		15.42				
5100.0	17.39		14.77	-0.54	15.08	-0.57	
5150.0			14.18		14.57		
5200.0			13.66		14.1		
5250.0	19.16	0.46	13.29	-0.26	13.68		
5300.0	21.83	1.37	13.05	-0.14	13.3		
5350.0	24.72	1.81	12.96	0.0	12.96		
5400.0		2.52	13.09	0.12	12.69		
5450.0	30.35		13.26	0.11	12.47		
5500.0	32.53	2.89	13.63	0.18	12.32		
5550.0	35.68	3.82	14.11	0.29	12.22		
5600.0	38.78	4.12	14.64	0.24	12.24		
5650.0	41.84	6.56	15.19	0.19	12.31		
5700.0	44.86	8.95	15.88	0.45	12.47		

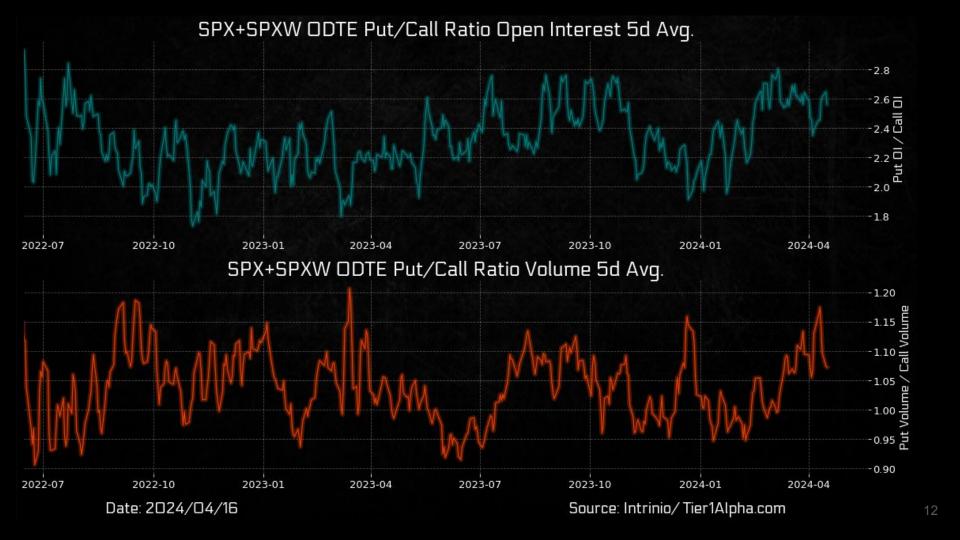


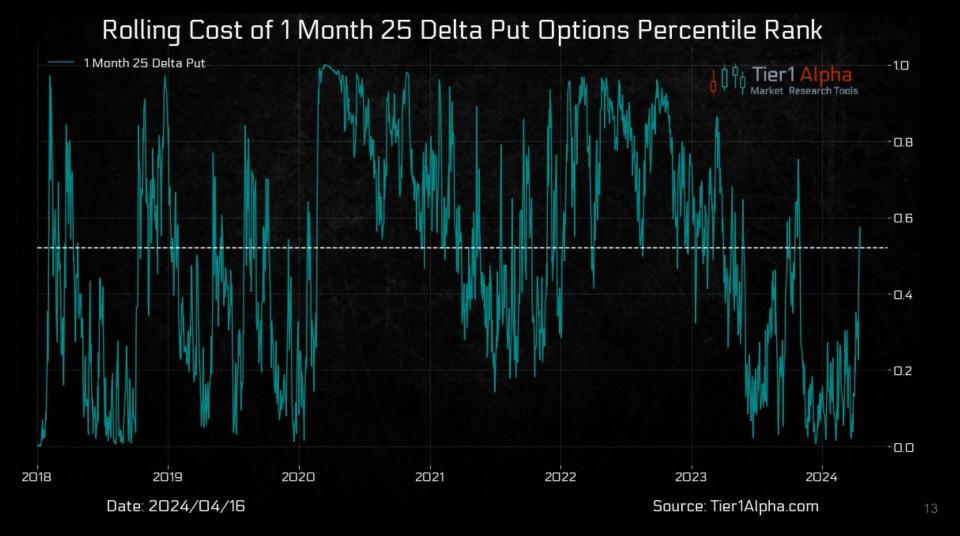


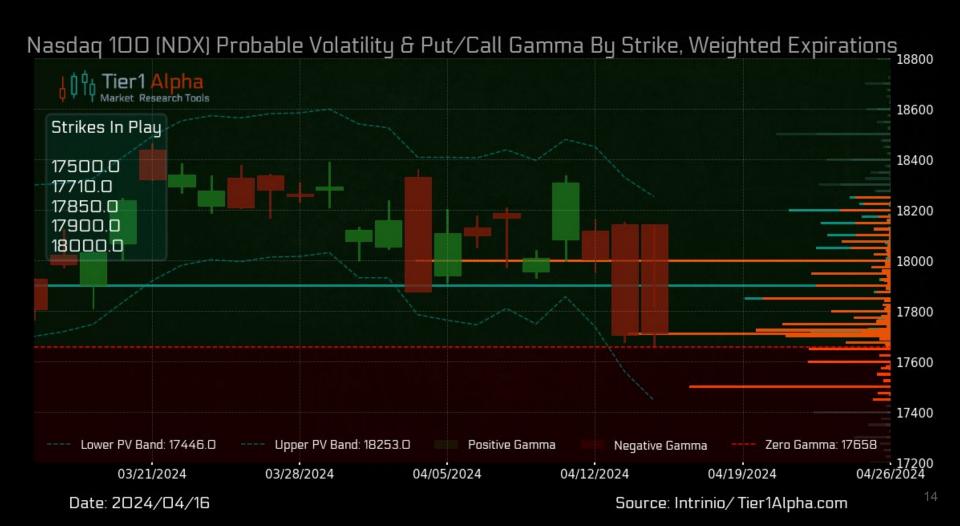






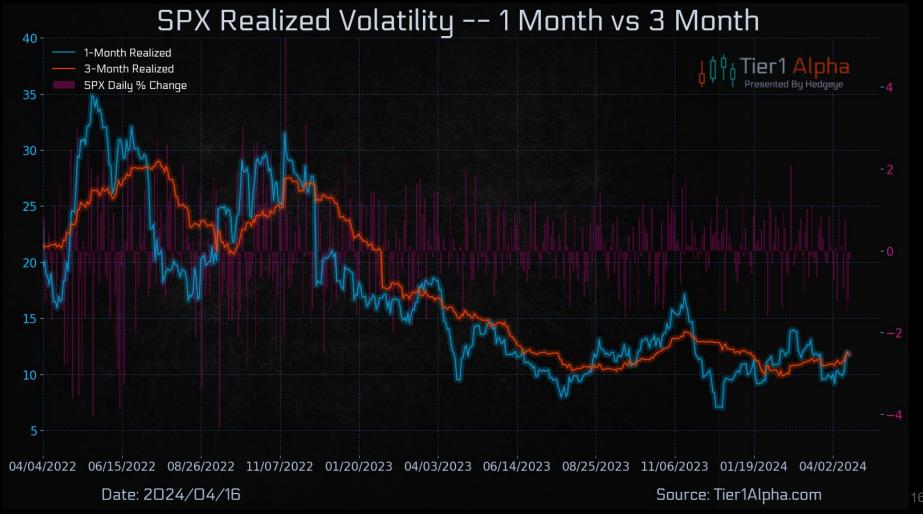


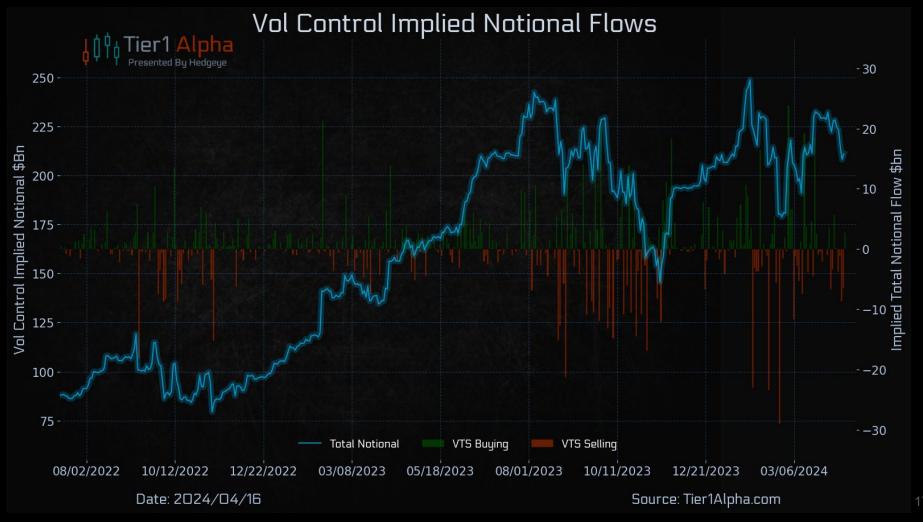






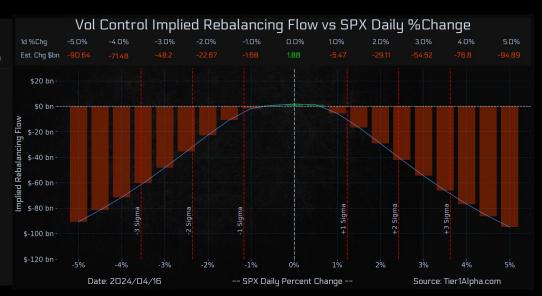
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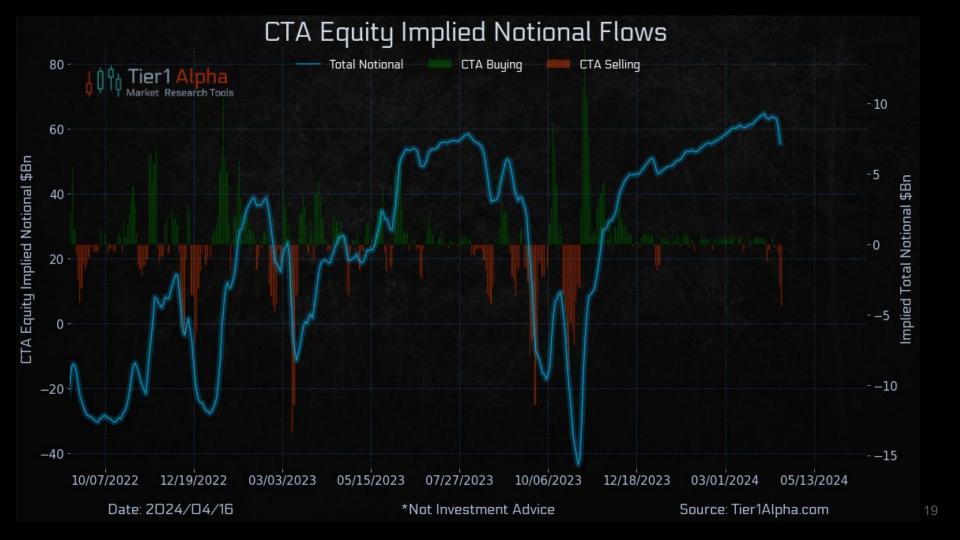




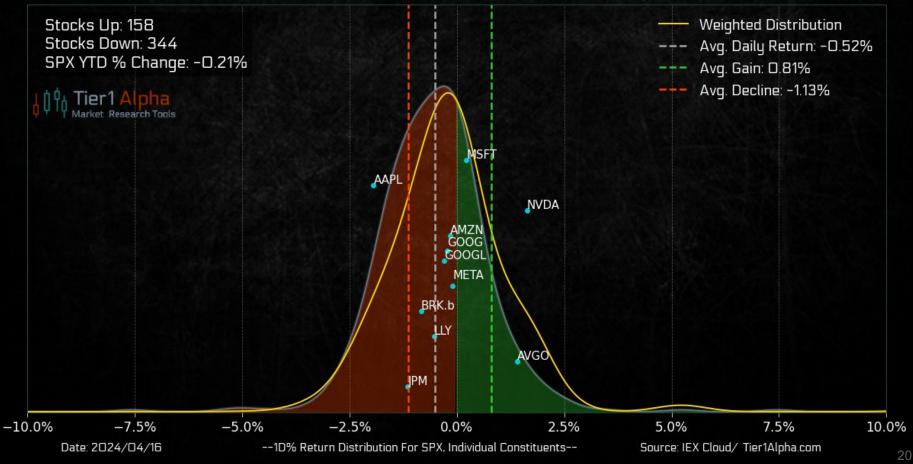


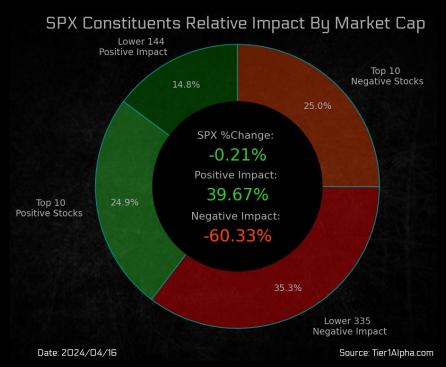
SPX Realized Vol Data In Sample for 2024-04-17							
Dropoff	1m Dates	1m Drop %	3m Dates	3m Drop %			
T+1	2024-03-19	0.6%	2024-01-18	0.9%			
T+2	2024-03-20	0.9%	2024-01-19	1.2%			
T+3	2024-03-21	0.3%	2024-01-22	0.2%			
T+4	2024-03-22	-0.1%	2024-01-23	0.3%			
T+5	2024-03-25	-0.3%	2024-01-24	0.1%			
T+6	2024-03-26	-0.3%	2024-01-25	0.5%			
T+7	2024-03-27	0.9%	2024-01-26	-0.1%			
T+8	2024-03-28	0.1%	2024-01-29	0.8%			
T+9	2024-04-01	-0.2%	2024-01-30	-0.1%			
T+10	2024-04-02	-0.7%	2024-01-31	-1.6%			



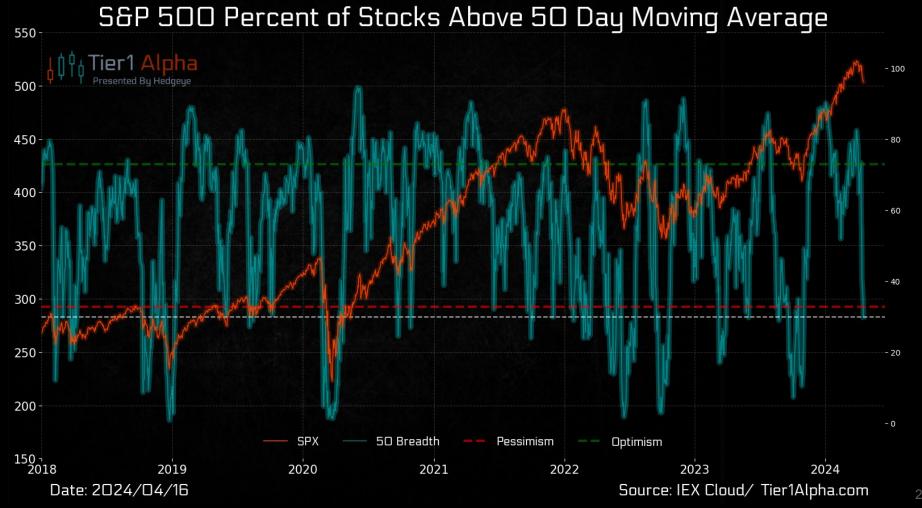


S&P 500 MBAD Indicator for 2024/04/16





SP	SPX Constituents Relative Impact By Market Cap							
L	argest Pos	itive Impad	ct	Largest Negative Impact				
Top Contributor	Daily %Return	Positive Impact	% Weight	Top Detractor	Daily %Return.1	Negative Impact	% Weight.1	
NVDA	1.6%	8.8%	5.07%	AAPL	-1.9%	-11.4%	5.61%	
UNH	5.2%	5.7%	1.03%	TSLA	-2.7%	-3.1%	1.1%	
AVGO	1.4%	2.0%	1.35%	BAC	-3.5%	-2.2%	0.59%	
MSFT	0.2%	1.7%	7.17%	JNJ	-2.1%	-1.9%	0.86%	
AMD	2.0%	1.4%	0.67%	JPM	-1.1%	-1.6%	1.31%	
SMCI	10.6%	1.3%	0.12%	BRK.B	-0.8%	-1.5%	1.74%	
CRM	1.7%	1.2%	0.67%	ХОМ	-0.8%	-0.9%	1.06%	
NFLX	1.7%	1.1%	0.6%	HD	-0.9%	-0.8%	0.83%	
GE	2.0%	0.9%	0.43%	LLY	-0.5%	-0.8%	1.38%	
AMAT	1.8%	0.8%	0.39%	С	-2.6%	-0.8%	0.27%	





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