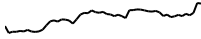

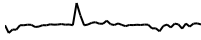




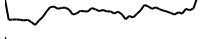
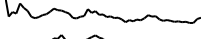



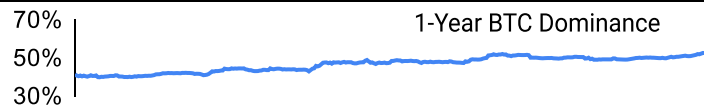
## Crypto Leaderboard

Rank	Name	Ticker	Price	24h	7d	30d	24h Vol \$m	MC \$m	1-Year Chart
1	Bitcoin	BTC	\$34,175	0%	16%	30%	16,191	667,287	
2	Ethereum	ETH	\$1,795	-2%	12%	12%	13,604	215,814	
3	Tether	USDT	\$1.00	0%	0%	0%	153,279	84,641	
4	BNB	BNB	\$228	1%	7%	8%	591	35,123	
5	XRP	XRP	\$0.55	-1%	7%	11%	1,170	29,621	
6	USD Coin	USDC	\$1.00	0%	0%	0%	7,627	25,054	
7	Lido stETH	STETH	\$1,794	-2%	12%	12%	9	15,747	
8	Solana	SOL	\$33.	3%	23%	73%	1,108	13,843	
9	Dogecoin	DOGE	\$0.07	-3%	20%	18%	775	10,134	
10	Cardano	ADA	\$0.29	-1%	16%	18%	220	10,102	

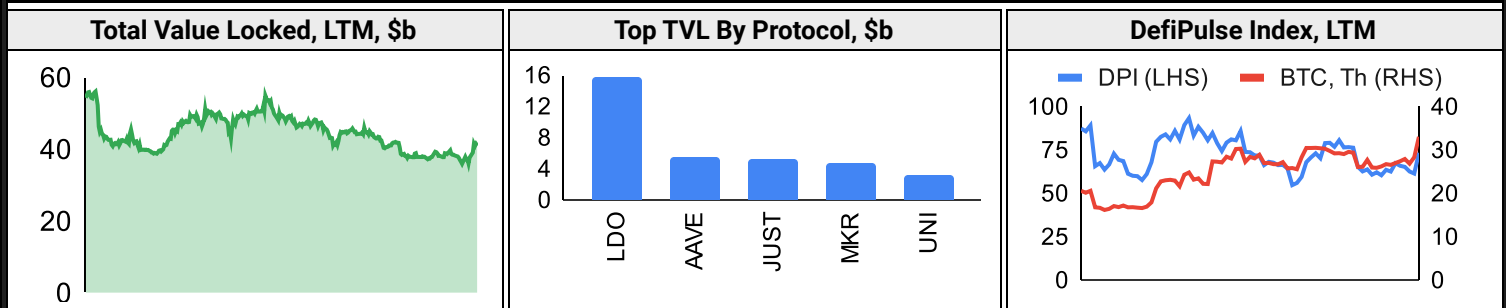
## Top & Bottom Performers - Top 100 Tokens

24h		7 Days		30 Days		90 Days		365 Days	
NEO	16%	PEPE	88%	INJ	84%	RUNE	152%	RLB	7555%
INJ	10%	MINA	64%	SOL	73%	RLB	95%	KAS	2570%
RUNE	4%	CFX	51%	MINA	71%	TON	74%	INJ	546%
BGB	3%	INJ	51%	RLB	70%	INJ	64%	CFX	319%
DOT	-4%	USDC	0%	TON	-3%	SUI	-30%	CHZ	-66%
XRD	-4%	MKR	-2%	MKR	-6%	APE	-33%	FLOW	-67%
GALA	-5%	XRD	-3%	CRV	-9%	UNI	-35%	ALGO	-69%
BSV	-6%	BSV	-12%	XRD	-32%	CRV	-37%	APE	-71%

## Category Performance

Category	7d	30d	90d	180d	365d	Ecosystem	7d	30d	90d	180d	365d
Meme	36%	51%	15%	-20%	70%	Polygon	16%	20%	-1%	-20%	1%
Other DeFi	18%	30%	7%	-9%	39%	Cosmos	16%	20%	13%	10%	75%
Lending	22%	22%	3%	9%	-24%	Tron	9%	18%	9%	20%	14%
Smart Contract	15%	17%	-7%	-21%	-24%	Solana	15%	18%	-7%	4%	-9%
Gaming/Entertai	18%	16%	-8%	-34%	-48%	BSC	14%	17%	3%	-24%	12%
Currency	5%	15%	-7%	16%	22%	Ethereum	16%	15%	-8%	-7%	2%
DEX	14%	15%	-1%	-20%	-23%	Avalanche	15%	12%	-7%	-8%	-12%
IoT/Data/Comp.	16%	14%	0%	-18%	-24%	Polkadot	14%	8%	-9%	-26%	-24%
Privacy	10%	10%	-11%	-29%	-37%						
Scaling	13%	10%	-15%	-40%	-29%						
CEXs	7%	7%	-7%	-20%	-16%						

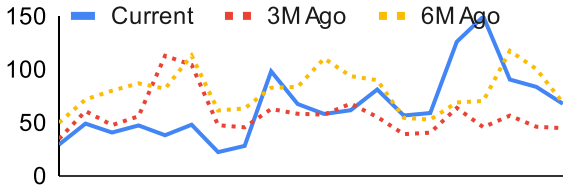
## DeFi



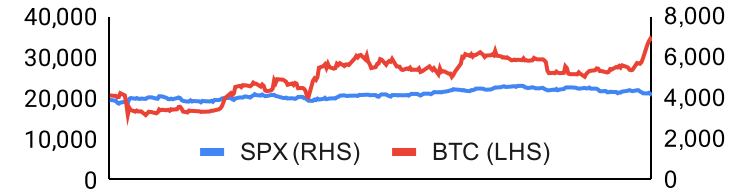
## Trading Volume

Aggregate Volumes by Product, \$b					Top Derivatives Exchanges, \$m and bps					Top Spot Exchanges, \$m		
Product	1d	7d	30d	O/I	Exchange	1d Vol	O/I	Mkr	Tkr	Exchange	Score	1d Vol
Spot	21	193	601	n/a	Binance	36,664	9,402	2.0	4.0	Binance	9.9	7,558
Perpetuals	354	2,320	5,060	122	OKX	14,568	3,656	2.0	5.0	Coinbase	8.7	1,324
Futures	0	4	13	1	Bybit	10,244	5,357	2.0	5.5	Kraken	8.4	670
Options	2	17	47	n/a	Deribit	1,395	2,128	0.0	5.0	Bybit	7.6	1,234

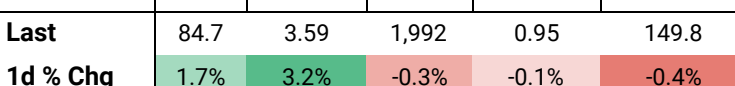
  

Daily Spot Volume, Top 100 Tokens Last 20d, \$b				Top Volume, 1d, \$m		Top Volume, %20d Avg		Low Volume, %20d Avg	
				USDT	28,117	NEO	425%	RETH	9%
				BTC	16,618	PEPE	277%	TWT	34%
				ETH	8,011	GALA	271%	USDP	37%
				USDC	4,228	CBETH	235%	XEC	59%
				XRP	1,085	CFX	212%	STETH	60%

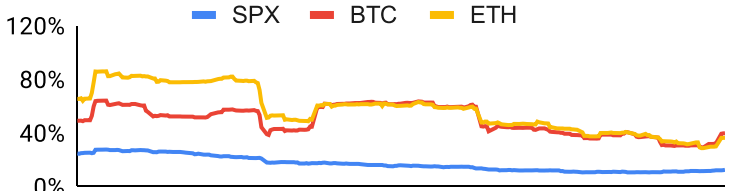
## Traditional Finance

Global Equity Markets							SPX vs. BTC, LTM				
	US	USGrwth	UK	Germany	Japan	HK					
1D	-1%	-2%	-1%	-1%	-1%	0%					
7D	-3%	-5%	-2%	-3%	-2%	-1%					
90D	-9%	-10%	-8%	-16%	-10%	-17%					
365D	10%	24%	13%	15%	15%	3%					

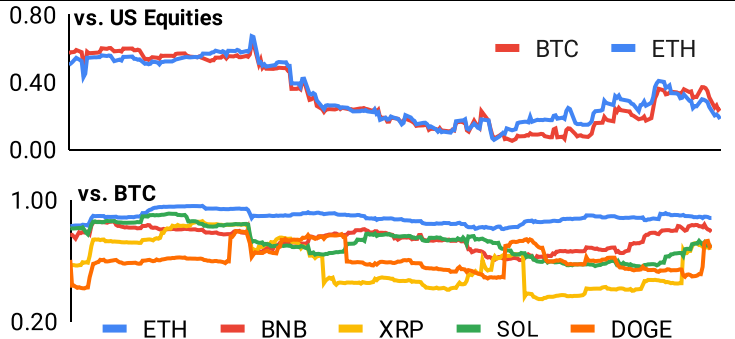
  

10-Year Treasury Yields							Commodities & FX					
	US	Brazil	UK	Germany	Japan	HK						
Last	4.87%	11.58%	4.60%	2.84%	0.87%	4.31%	Last	84.7	3.59	1,992	0.95	149.8
1d Chg	0.03	-0.01	0.00	-0.01	0.00	-0.06	1d % Chg	1.7%	3.2%	-0.3%	-0.1%	-0.4%

## Volatility

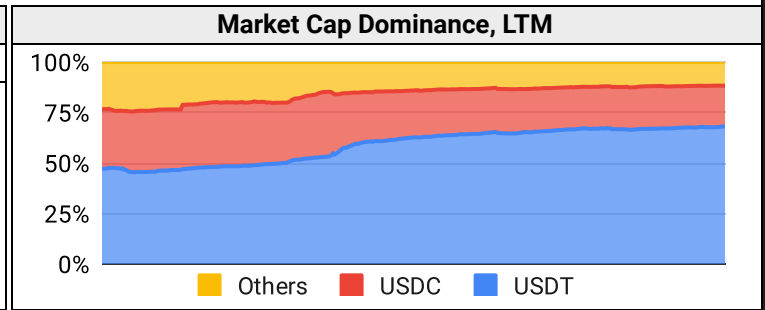
Annualized Volatility							Rolling 3M Annualized Volatility, LTM				
	BTC	ETH	BNB	XRP	SOL	DOGE					
30D	46%	40%	29%	41%	87%	44%					
90D	39%	34%	29%	47%	69%	42%					
180D	38%	38%	37%	115%	74%	50%					
365D	47%	55%	51%	99%	107%	87%					

## Correlations

Intra-Crypto Correlations, LTM							Rolling 3M Correlations, LTM				
	BTC	ETH	BNB	XRP	SOL	DOGE					
BTC											
ETH	0.89										
BNB	0.73	0.76									
XRP	0.49	0.57	0.45								
SOL	0.73	0.77	0.68	0.50							
DOGE	0.57	0.67	0.56	0.39	0.52						

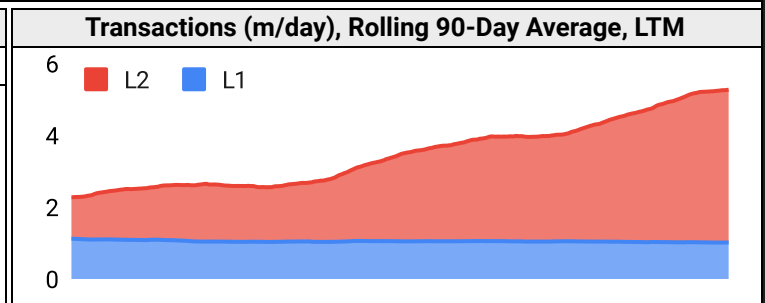
## Stablecoins

Stablecoin Market Size and Volume, \$m				
Ticker	Price	1d Vol	20d Avg Vol	Market Cap
USDT	1.00	28,117	29,882	84,519
USDC	1.00	4,228	3,341	25,094
DAI	1.00	156	134	5,350
TUSD	1.00	243	262	3,351
BUSD	1.00	447	557	2,064
USDD	1.00	17	18	726



## Ethereum Mainnet & Layer 2s

Mainnet & Layer 2 Transactions (m/day) and L2 TVL (\$m)				
Network	1d	30d Avg	TVL	Tech Type
Ethereum	1.1	1.0	-	Mainnet
zkSync Era	0.6	0.9	447	ZKR
Arbitrum One	0.7	0.6	6,490	ORU
Base	0.3	0.6	570	ORU
Starknet	0.2	0.5	162	ZKR
OP Mainnet	0.3	0.3	2,950	ORU
Mantle	0.2	0.3	137	Optimium
dYdX	0.4	0.2	346	App-specific ZKR
Immutable X	0.3	0.2	103	App-specific Validium
Linea	0.1	0.2	80	ZKR



### Layer 2 Token Performance & Market Cap (\$m)

	MATIC	OP	MNT	ARB	IMX
30d Return	20%	5%	-4%	8%	16%
Market Cap	5,730	1,210	1,170	1,160	785

## NFTs and DAOs

NFT Collection Stats (in ETH)					
Collection	Floor	Listings	3M Ret.	3M Vol	Market Cap
CryptoPunks	44.5	1,034	-6%	23,016	445,000
Bored Ape	27.7	450	-7%	114,161	277,400
Mutant Ape	5.3	621	-5%	65,874	102,281
Autoglyphs	170.0	3	-15%	862	87,040
Squiggle	8.6	234	-19%	3,261	85,449
Fidenza	60.0	32	-33%	542	59,940
Azuki	5.1	414	1%	26,690	50,511
Pudgy Penguins	5.1	424	24%	21,579	45,311
The Sandbox	0.3	383	-16%	431	41,644
Decentraland	0.4	140	-8%	80	36,217

DAO Treasury Amount (\$m) and Composition					
DAO	Treasury	Stables	BTC/ETH	Own Tokens	Other
Arbitrum	3,239	0%	0%	100%	0%
Mantle	1,811	12%	25%	0%	63%
Uniswap	1,680	0%	0%	100%	0%
Optimism	1,253	0%	0%	100%	0%
Ethereum	565	0%	100%	0%	0%
ENS	551	3%	1%	96%	0%
Golem	311	0%	95%	5%	0%
Lido	269	1%	25%	73%	0%
Stargate	220	17%	0%	82%	1%
Volta Club	216	56%	0%	12%	31%

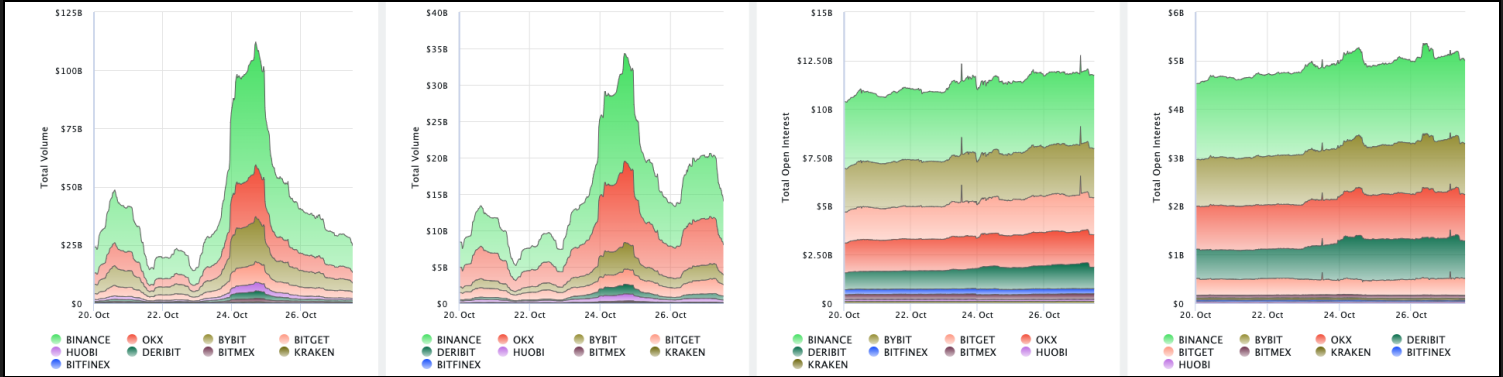
## Crypto News

- [Bitcoin and Ether Options Activity Soars to Historic Highs of \\$20B Amid ETF Hype - CoinDesk](#)
- [Bitcoin Surges to All-Time Highs in Turkey and Nigeria - CoinDesk](#)
- [Digital yuan's struggle underscores challenges for central banks - Nikkei Asia](#)
- [Memecoin Madness: PEPE, Dogecoin and SHIB Surge Amid Crypto Rally - Decrypt](#)
- [Leak Reveals Joe Biden Could Be About To Issue A Game-Changing Executive Order That Would Spark Bitcoin, Ethereum, XRP And Crypto Price Surge - Bitcoin Magazine](#)
- [Kraken Begins Notifying Customers It Will Send Their Data to the IRS This November - Bitcoin Magazine](#)
- [Yuga Labs awarded \\$1.6M in landmark Ryder Ripps NFT case - Blockworks](#)
- [Solana Labs plans to grow ecosystem through new incubator program - Blockworks](#)
- [LayerZero's wstETH bridge deployment draws Lido DAO ire - Blockworks](#)

## Crypto Futures

### Futures Volume (BTC LHS ; ETH RHS), 1d

### Futures Open Interest (BTC LHS ; ETH RHS)



### Volume Weighted Funding Rate (BTC LHS ; ETH RHS), 1d

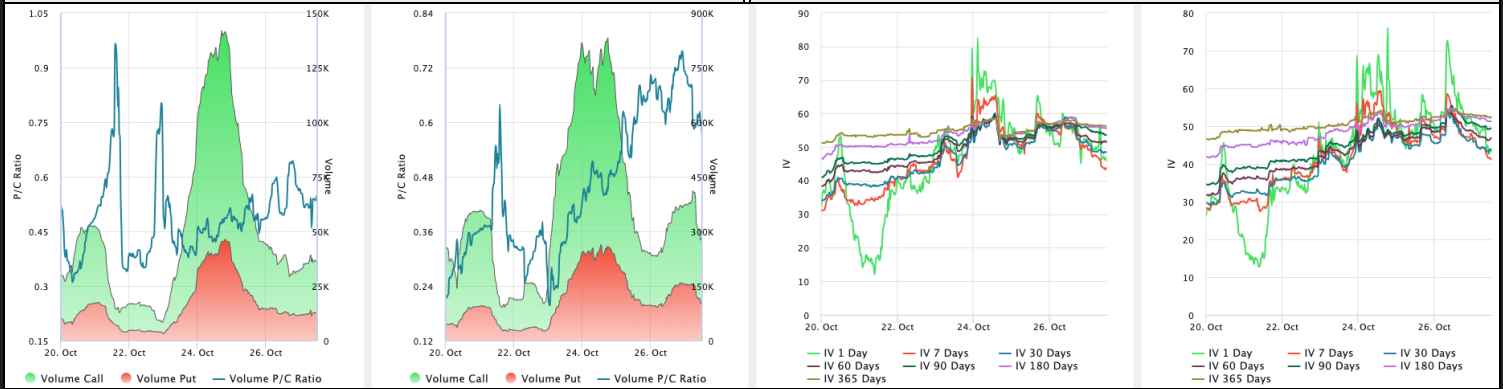
### Liquidations (BTC LHS ; ETH RHS), 1d



## Crypto Options

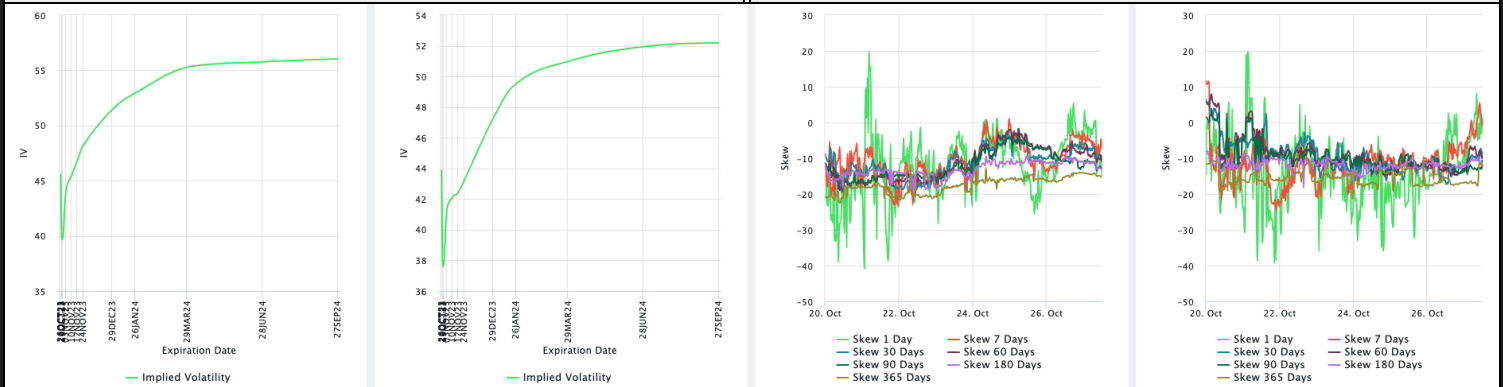
### Options Volume & Put/Call Ratio (BTC LHS ; ETH RHS), 1d

### ATM Implied Volatility (BTC LHS ; ETH RHS)



### ATM Implied Vol Term Structure (BTC LHS ; ETH RHS)

### 25 Delta Skew (BTC LHS ; ETH RHS)



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GSR's experienced team brings together decades of institutional trading expertise, while our industry-leading proprietary technology stack anchors everything we do.

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CoinGecko	Santiment	DefiLlama	CoinMarketCap	Laevidas
L2Beat	Google Finance	TradingView	Deribit	WorldCoinIndex
Cryptorank	Investing.com	NFT Price Floor	CryptoSlate	