

STATE OF THE MARKET

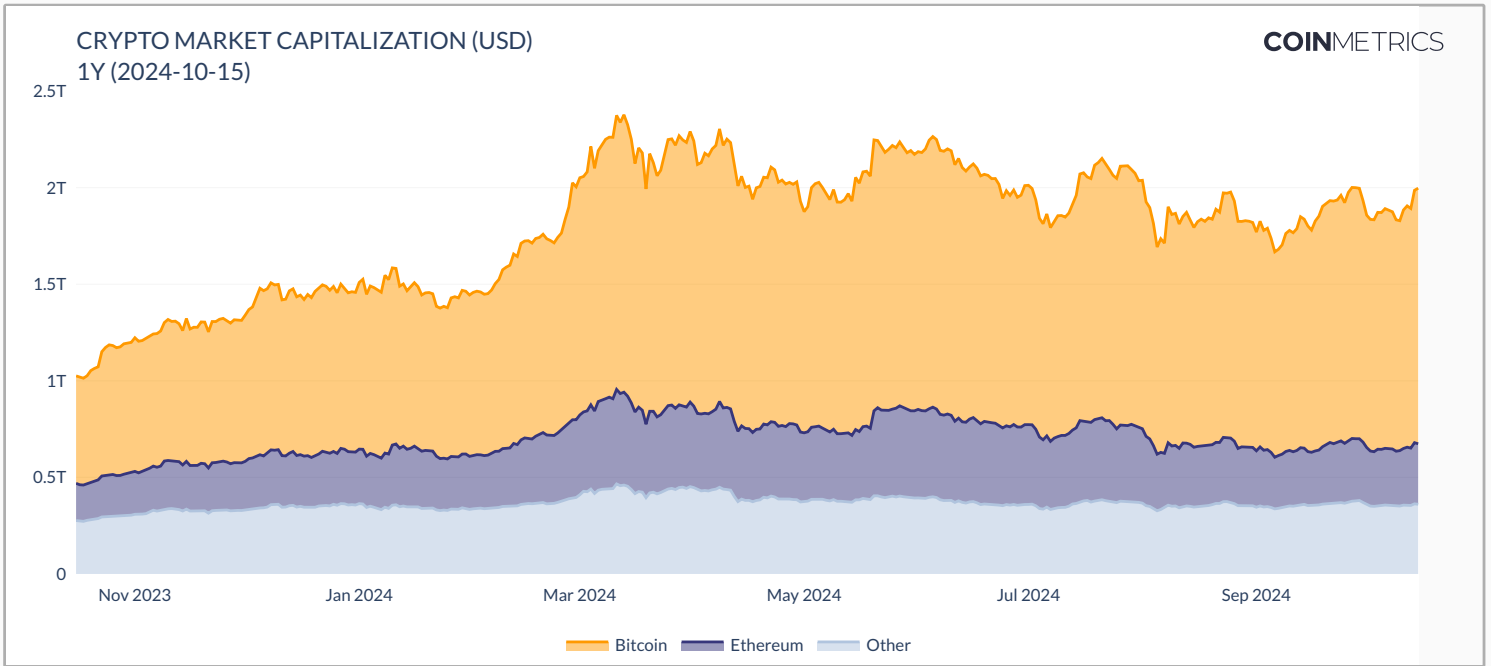
OCT. 10 - 16, 2024

Coin Metrics' State of the Market provides an overview of cryptoasset market activity

CM

MARKET SUMMARY

TD Bank has faced significant penalties for failing to report suspicious cryptocurrency transactions, highlighting the ongoing challenges in regulatory compliance within the crypto sector. The bank was found to have processed over \$1 billion in high-risk transactions involving third-party cryptocurrency trading, resulting in a \$3 billion penalty. In a positive development for regulatory frameworks, the United Arab Emirates has granted in-principle approval for AED Stablecoin LLC to launch AE Coin, a regulated stablecoin pegged to the Dirham, in a move aligned with their Digital Government Strategy 2025. Meanwhile Stripe, a major payments provider, has reintroduced cryptocurrency support with its newly launched stablecoin payment option. The feature saw adoption across 70 countries on its first day, indicating strong global demand for alternative payment solutions. This development comes years after Stripe discontinued Bitcoin payments. CoinDesk has acquired CCData and CryptoCompare, two digital asset data providers. This consolidation aims to enhance CoinDesk's product offerings and coincides with the launch of the CoinDesk 20 index, a new benchmark for the cryptocurrency market. Meanwhile, Kraken has introduced a new feature allowing customers to restake their ETH through EigenLayer, providing access to additional yield-bearing opportunities. This move reflects the significant growth in the restaking industry, with total value locked in liquid restaking tokens surging over 3000% this year. The Trump family-backed World Liberty Financial is preparing for its WLF token launch, having whitelisted over 100,000 accredited U.S. investors. The project, which involves several Trump family members in key roles, aims to raise \$300 million at a \$1.5 billion valuation, but fell short of this target.



PRICE (CMBI CONSTITUENTS)

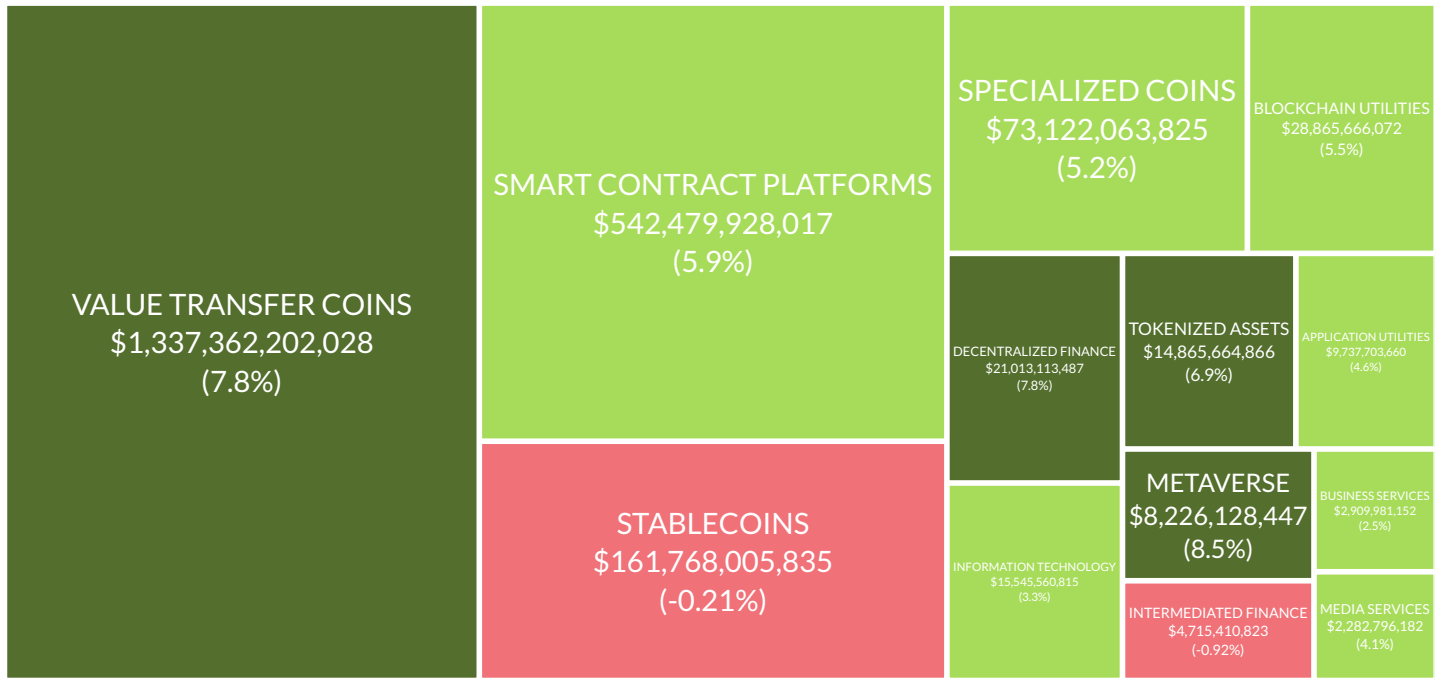
Coin Metrics' Reference Rate price calculated using a transparent, independent methodology robust to manipulation and derived from high quality constituent markets. Data based on 4pm EST NYC close.

ASSET	CLOSING PRICE	7D CHANGE	7D MAX	7D MIN	52W CHANGE	52W MAX	52W MIN
BTC	\$66,853.07	+9.59%	\$66,853.07	\$59,565.32	+136.30%	\$73,131.47	\$28,291.17
ETH	\$2,587.00	+7.12%	\$2,622.89	\$2,359.78	+65.25%	\$4,045.43	\$1,565.52
SOL	\$154.80	+10.11%	\$155.74	\$137.59	+552.05%	\$199.97	\$23.74
XRP	\$0.54	+2.55%	\$0.55	\$0.53	+10.80%	\$0.73	\$0.43
ADA	\$0.36	+5.33%	\$0.36	\$0.34	+46.11%	\$0.77	\$0.24
DOGE	\$0.11	+5.41%	\$0.12	\$0.10	+96.05%	\$0.22	\$0.06
TRX	\$0.16	-1.32%	\$0.16	\$0.16	+77.65%	\$0.16	\$0.09
BNB	\$593.56	+3.75%	\$593.56	\$558.51	+181.84%	\$705.66	\$210.60
AVAX	\$28.23	+8.25%	\$29.17	\$25.44	+215.98%	\$63.02	\$8.94
LINK	\$11.27	+6.52%	\$11.27	\$10.43	+53.18%	\$21.23	\$7.36
CMBI10	\$6,310.13	+8.48%	\$6,310.13	\$5,683.52	+123.99%	\$7,488.41	\$2,817.20

ASSET CLASSES

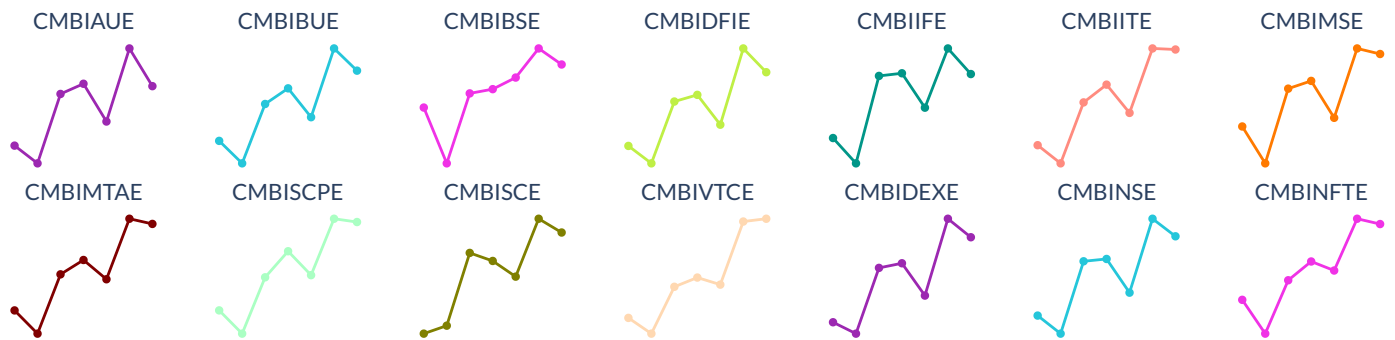
DIGITAL ASSET SECTOR 7D MARKETCAP (2024-10-15)

COINMETRICS



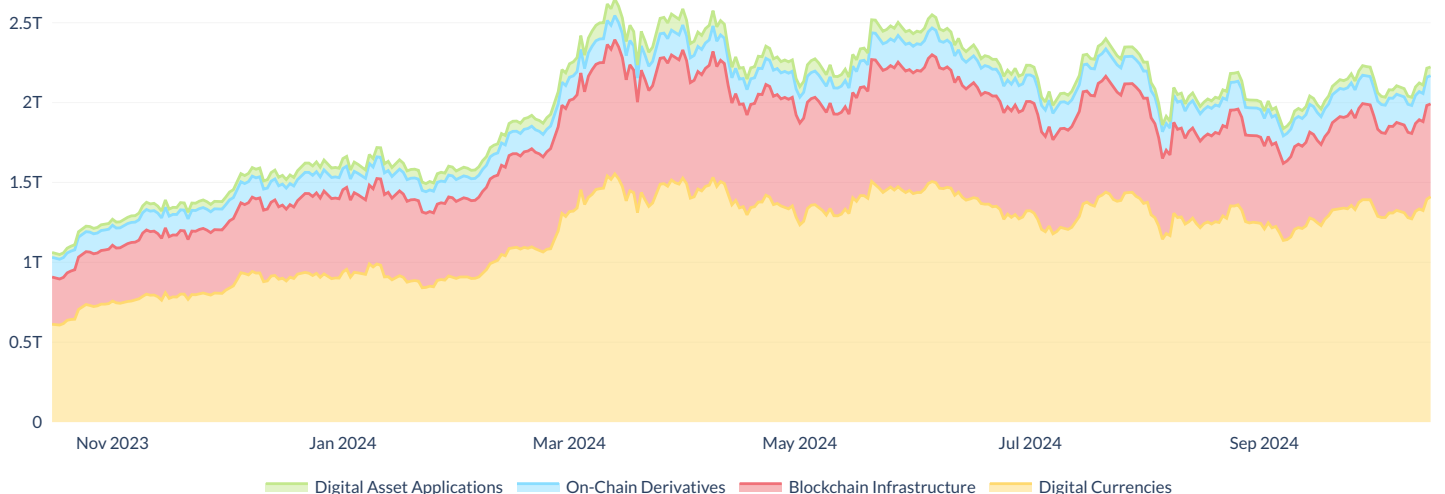
TRENDING SECTOR INDEXES, 7 DAY TREND

COINMETRICS



CRYPTO MARKET CAPITALIZATION (USD)
BY DATONOMY CLASS

COINMETRICS

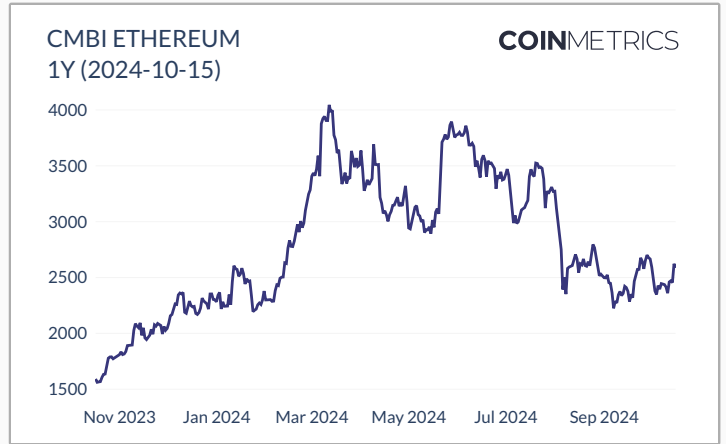
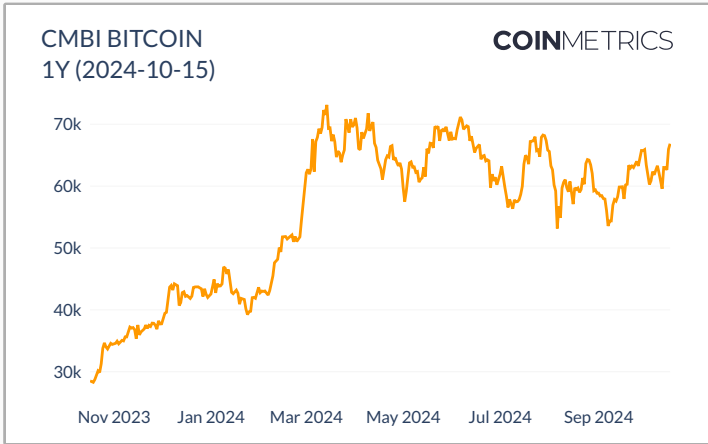


INDEX ROUNDUP

SINGLE ASSET INDEXES

The CMBI Single Asset series are institutionally designed cryptoasset benchmarks that accurately & reliably represent a real-time market aggregate USD value for singular crypto assets.

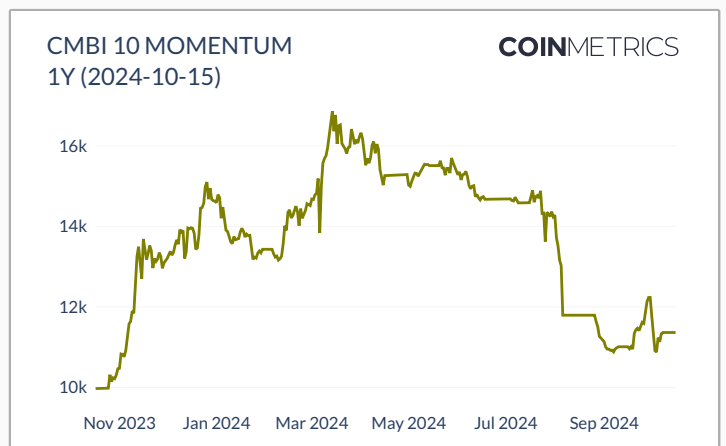
INDEX	CLOSING PRICE	7D CHANGE	7D MAX	7D MIN	52W CHANGE	52W MAX	52W MIN
CMBIBTC	\$66,853.07	+9.59%	\$66,853.07	\$59,565.32	+136.30%	\$73,131.47	\$28,291.17
CMBIBTCT	\$71,826.16	+9.59%	\$71,826.16	\$63,996.29	+136.30%	\$78,571.60	\$30,395.70
CMBIETH	\$2,586.98	+7.12%	\$2,622.84	\$2,359.77	+65.25%	\$4,045.43	\$1,565.52
CMBIETHT	\$2,808.41	+7.12%	\$2,847.34	\$2,561.75	+65.25%	\$4,391.69	\$1,699.51



MULTI ASSET INDEXES

The CMBI Multi Asset series are institutionally designed cryptoasset benchmarks that accurately & reliably represent a real-time market aggregate USD value for baskets of crypto assets.

INDEX	CLOSING PRICE	7D CHANGE	7D MAX	7D MIN	52W CHANGE	52W MAX	52W MIN
CMBI10	\$6,310.13	+8.48%	\$6,310.13	\$5,683.52	+123.99%	\$7,488.41	\$2,817.20
CMBI10E	\$9,624.46	+5.71%	\$9,695.96	\$8,922.43	+145.35%	\$12,717.96	\$3,922.75
CMBI10EX	\$11,521.30	+6.43%	\$11,627.89	\$10,590.16	+104.96%	\$15,766.30	\$5,621.12
CMBI10M	\$11,363.10	+0.00%	\$11,363.10	\$11,363.10	+13.97%	\$16,861.60	\$9,969.86
CMBIBE	\$29,964.25	+9.02%	\$29,964.25	\$26,843.68	+116.31%	\$35,640.10	\$13,852.32

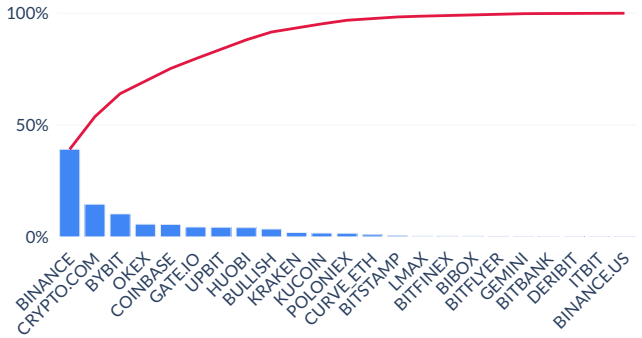


MARKET MOVEMENT

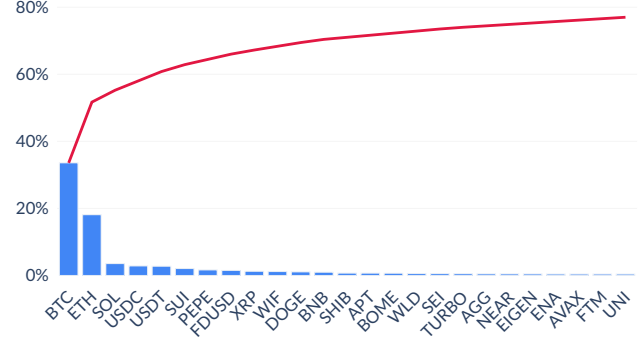
TRADING DIARY, 7 DAY

ADVANCING VOLUME	\$202,301,526,951
DECLINING VOLUME	\$22,911,968,860
ADVANCING COUNT	653
DECLINING COUNT	432

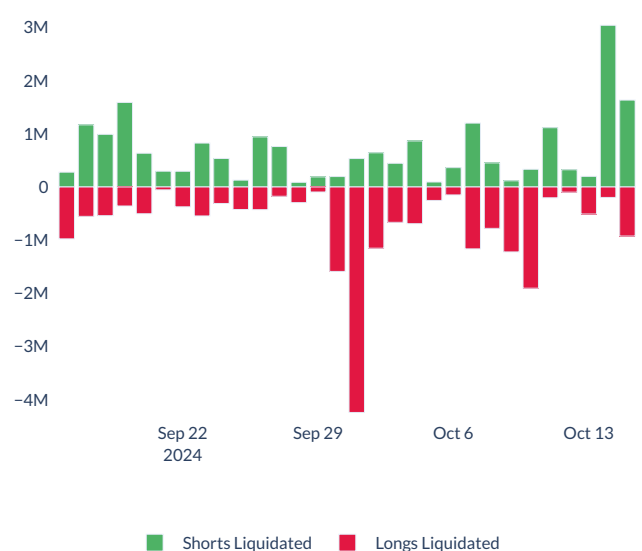
EXCHANGE SPOT SHARE, 7 DAY MEAN



BASE ASSET SPOT SHARE, 7 DAY MEAN

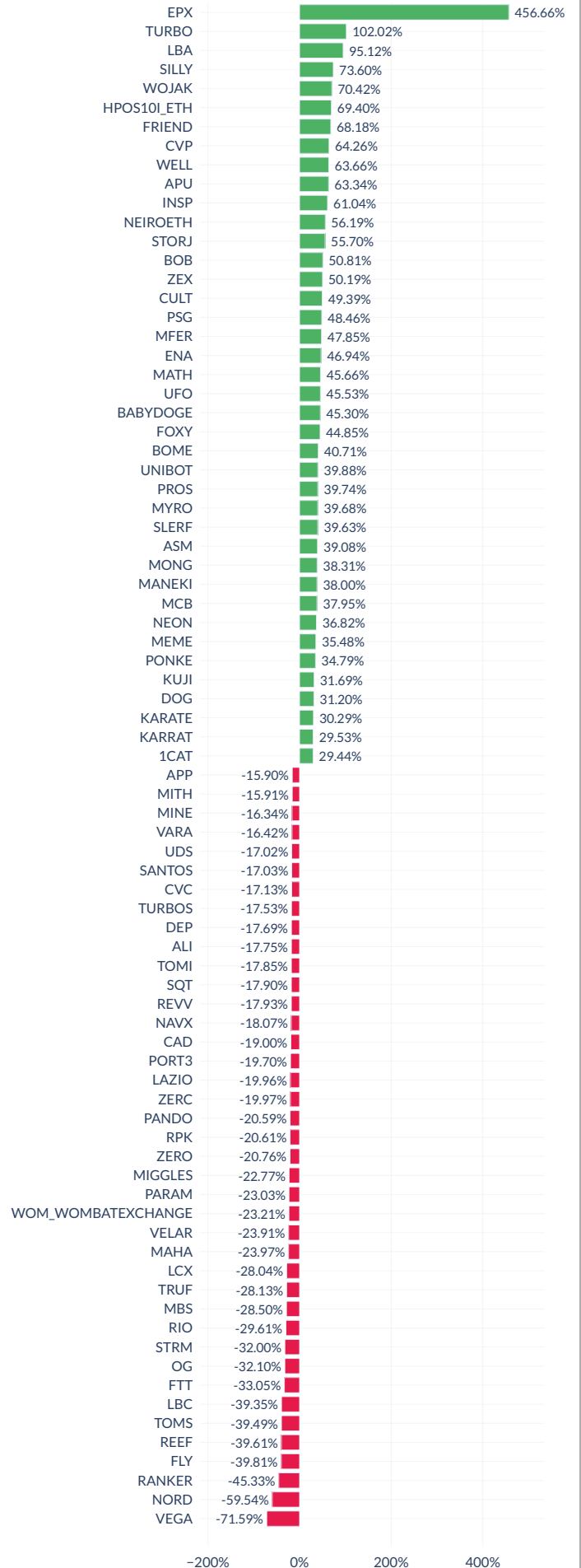


BTC PERPETUALS, TOTAL LIQUIDATIONS



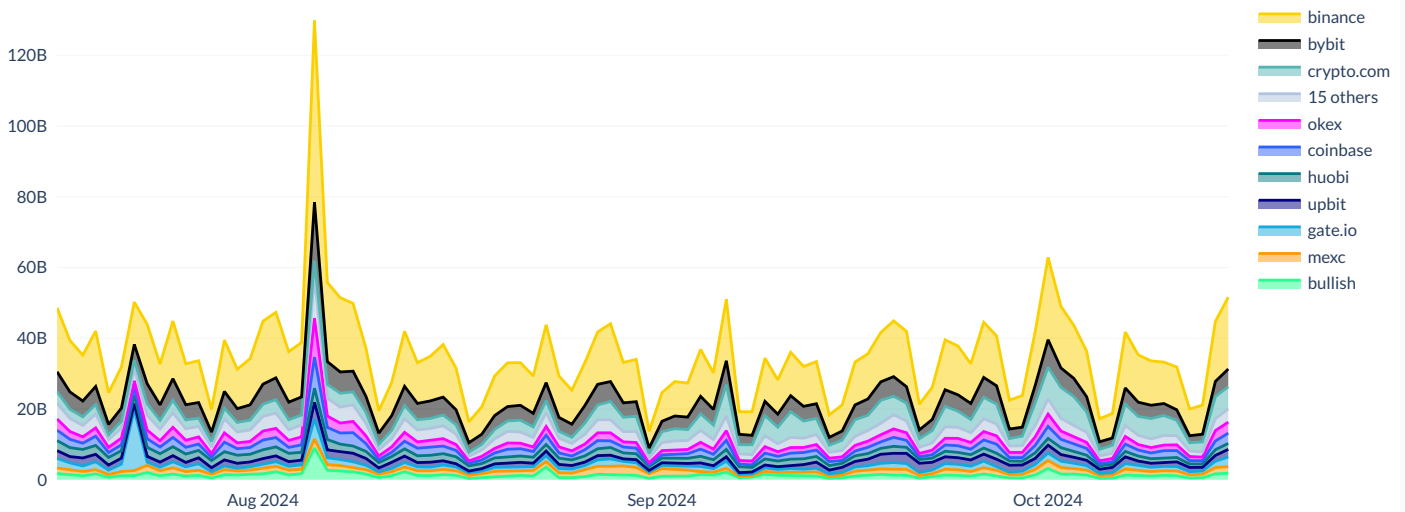
PRICE CHANGE, 7 DAY

COINMETRICS



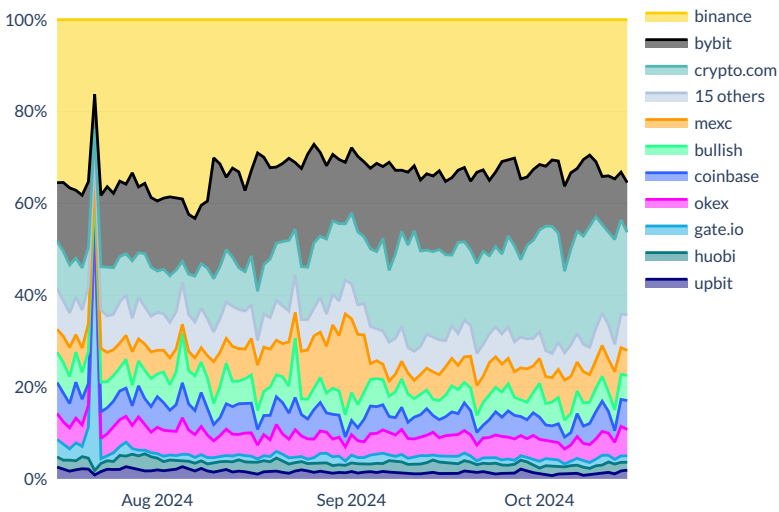
AGGREGATE VOLUME

REPORTED SPOT VOLUME (USD)
BY EXCHANGE 3M (2024-10-15)



BTC SPOT VOLUME, % BY EXCHANGE
3M (2024-10-15)

COINMETRICS



BTC SPOT VOLUME LEADERS

Top 10 exchanges by total BTC spot volume reported over past 3 months.

ASSET	90D CHANGE	90D AVERAGE	90D MAX	90D MIN
BINANCE	+77.94%	4,313,082,727	18,946,063,289	1,343,035,446
BYBIT	+18.46%	2,021,089,697	6,575,973,163	578,577,072
CRYPTO.COM	+214.35%	1,920,660,112	5,083,038,218	529,499,200
MEXC	+57.42%	799,575,597	1,831,975,789	227,543,247
BULLISH	+71.67%	742,225,606	5,201,373,912	173,494,523
COINBASE	+118.62%	678,232,375	3,703,380,449	93,637,662
OKEX	+130.09%	623,351,776	3,856,637,886	133,203,344
GATE.IO	+3.02%	332,623,667	12,737,344,777	29,759,853
HUOBI	+32.68%	252,678,714	592,208,740	70,376,165
UPBIT	+107.59%	201,528,691	1,288,323,120	51,208,910

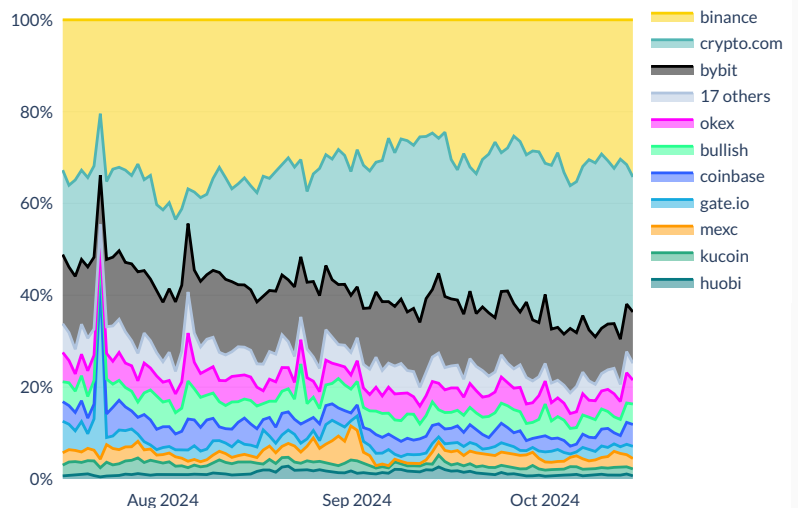
ETH SPOT VOLUME LEADERS

Top 10 exchanges by total ETH spot volume reported over past 3 months.

ASSET	90D CHANGE	90D AVERAGE	90D MAX	90D MIN
BINANCE	+49.56%	2,229,123,724	10,995,958,043	743,132,312
CRYPTO.COM	+113.59%	1,812,879,244	4,576,376,062	588,491,509
BYBIT	+7.14%	940,977,460	4,445,317,467	317,327,944
OKEX	+111.22%	349,072,666	3,118,321,122	60,802,170
BULLISH	+46.80%	346,947,422	2,472,992,691	80,347,809
COINBASE	+81.02%	276,185,987	2,015,080,631	43,781,011
GATE.IO	-4.96%	200,793,245	3,673,496,968	22,604,704
MEXC	+41.79%	158,677,751	487,807,320	21,910,597
KUCCOIN	-20.50%	130,161,177	451,792,054	29,023,075
HUOBI	+16.30%	81,263,983	287,028,333	24,186,489

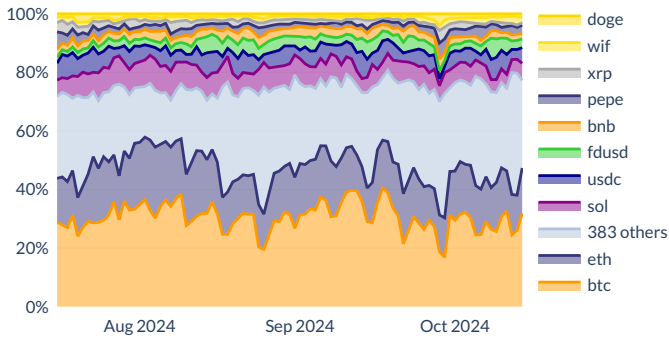
ETH SPOT VOLUME, % BY EXCHANGE
3M (2024-10-15)

COINMETRICS

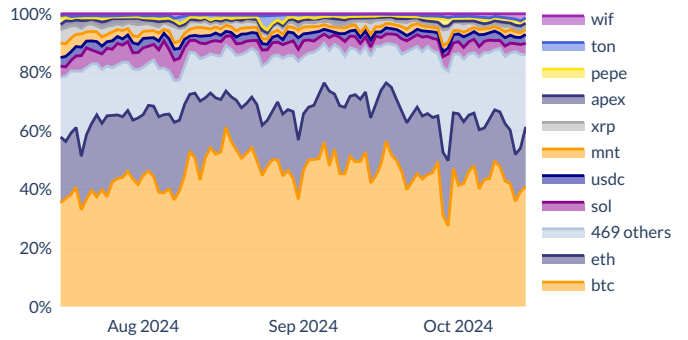


EXCHANGE SPOT VOLUME

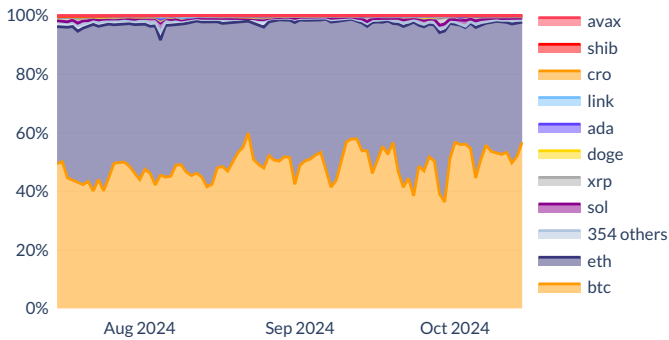
BINANCE SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



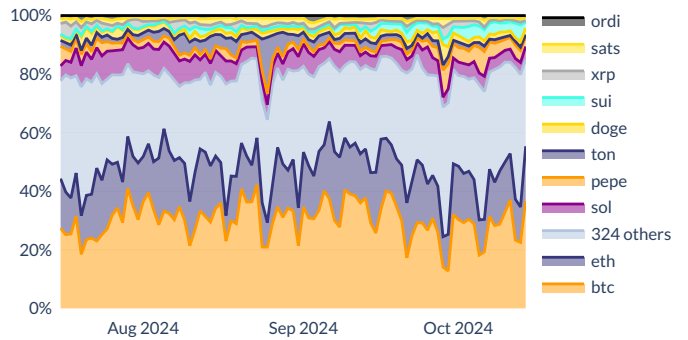
BYBIT SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



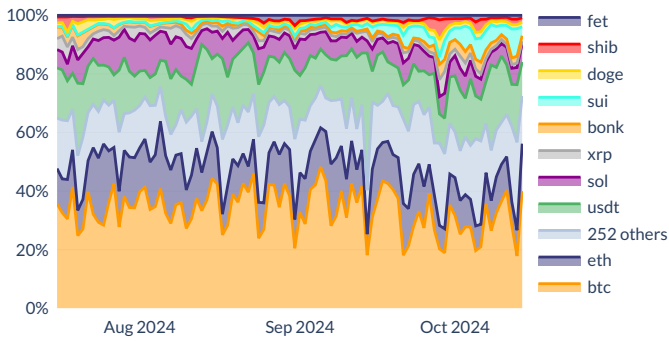
CRYPTO.COM SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



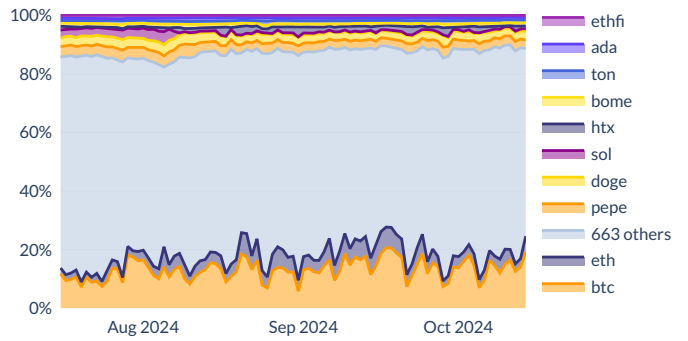
OKEX SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



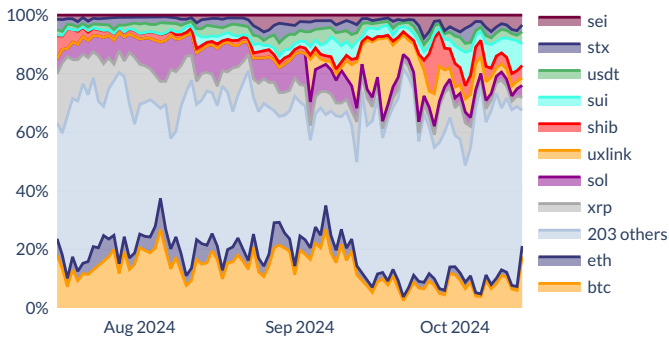
COINBASE SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



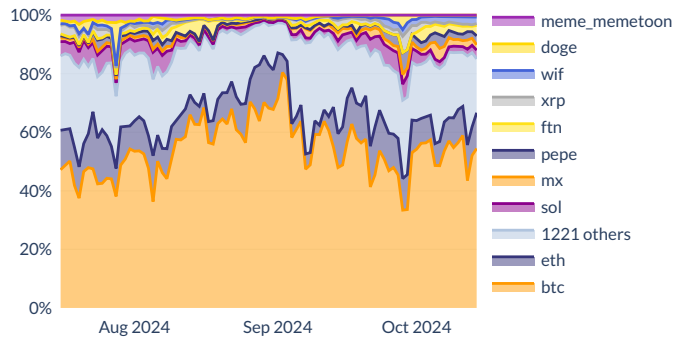
HUOBI SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



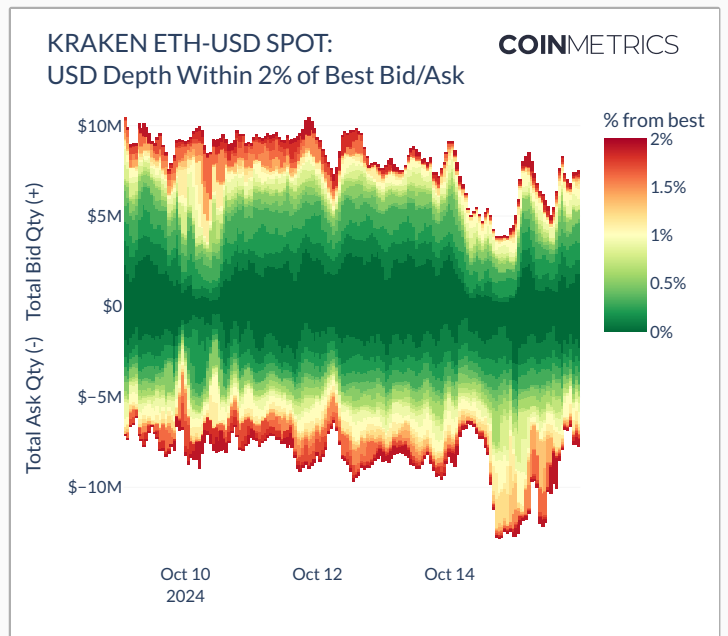
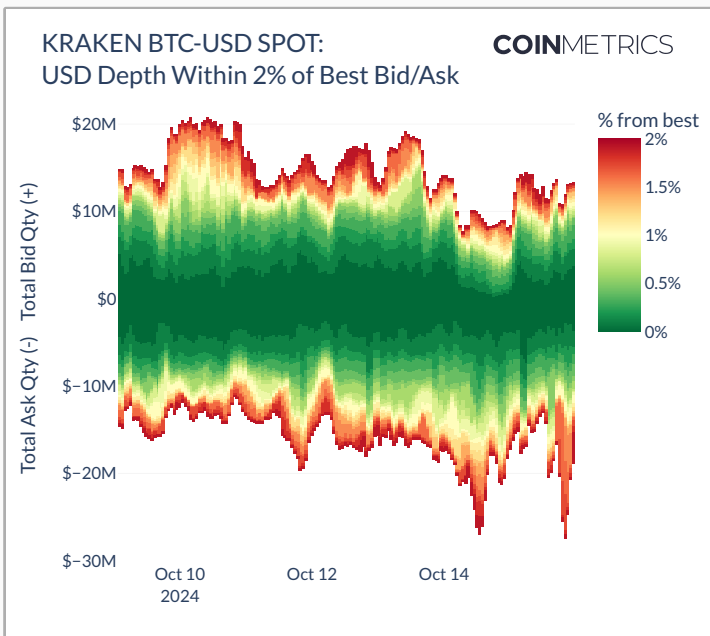
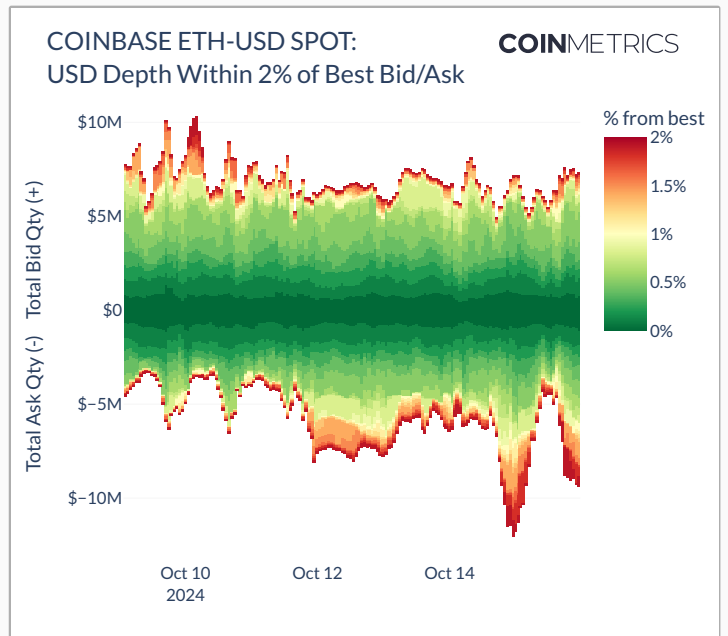
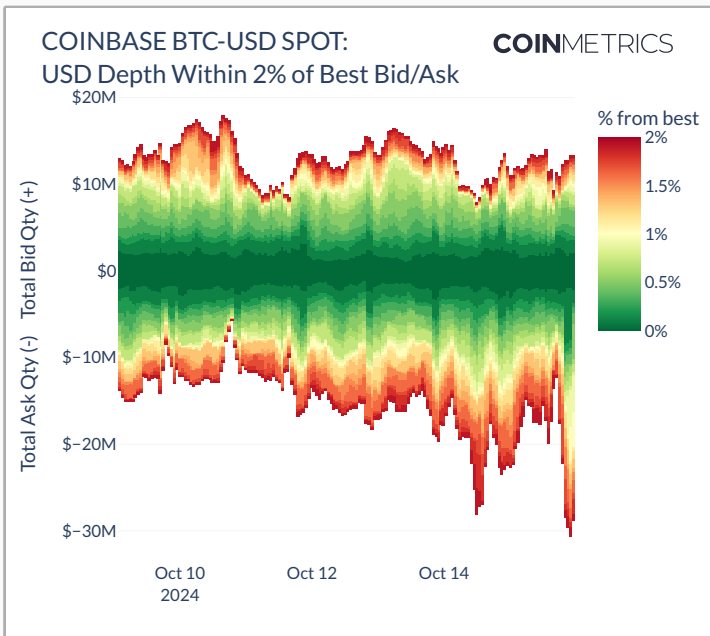
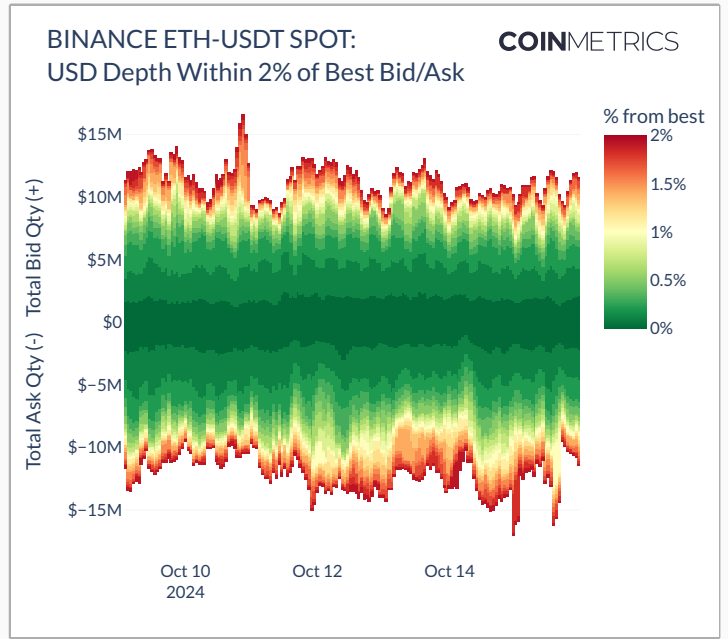
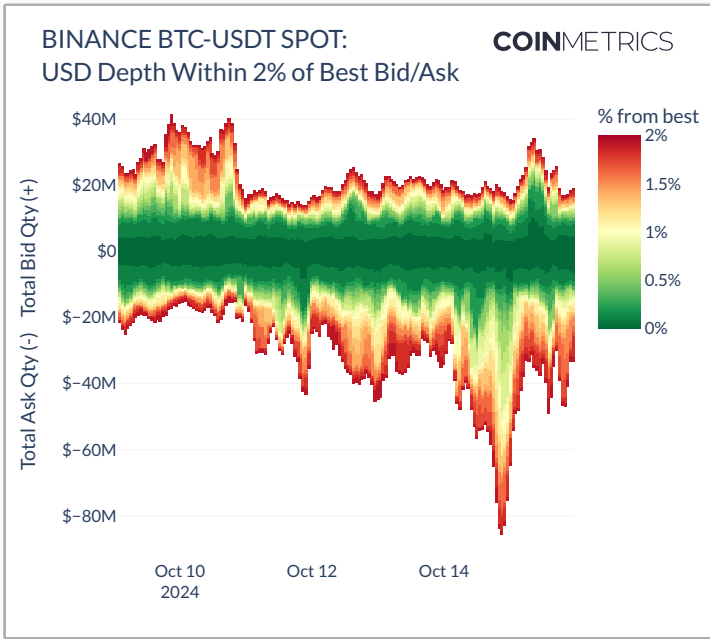
UPBIT SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



MEXC SPOT VOLUME, % BY ASSET 3M (2024-10-15) COINMETRICS



ORDER BOOK DEPTH



DEFI BALANCE SHEETS

LENDING PROTOCOL TVL (USD)
1Y (2024-10-15)

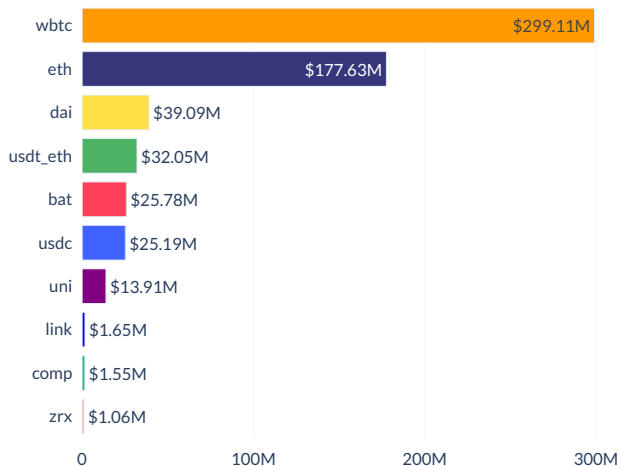
COINMETRICS



COMPOUND V2 BALANCE SHEET

PROTOCOL HEALTH RATIOS	VALUE	7D CHANGE
CURRENT RATIO	0.853691	1.84%
DEBT TO ASSETS RATIO	0.924124	0.18%
PROTOCOL UTILIZATION RATIO	0.228417	-7.03%
LIQUID SUPPLY RATIO	0.853691	1.84%
ASSETS AND LIABILITIES	VALUE	7D CHANGE
ASSETS TOTAL USD	\$785M	3.58%
ASSETS TOTAL COUNT	19	0.0%
LIABILITIES TOTAL USD	\$726M	3.76%
LIABILITIES TOTAL COUNT	19	0.0%
LOANS LENT TOTAL USD	\$166M	-3.54%
TVL TOTAL USD	\$620M	5.66%
NET WORKING CAPITAL USD	-\$106M	-6.11%

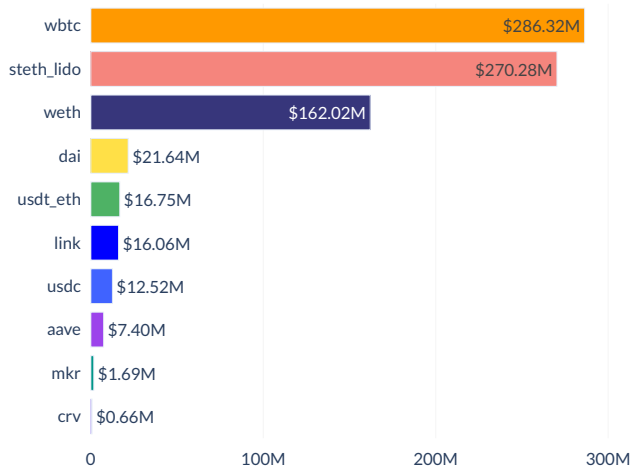
TOP 10 ASSETS BY TOTAL VALUE LOCKED (USD)



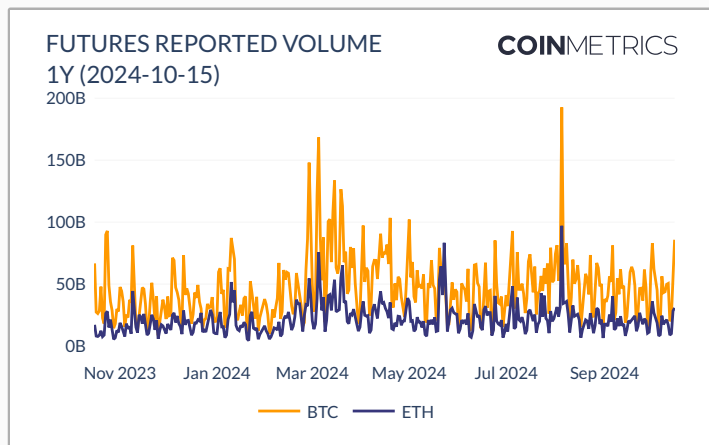
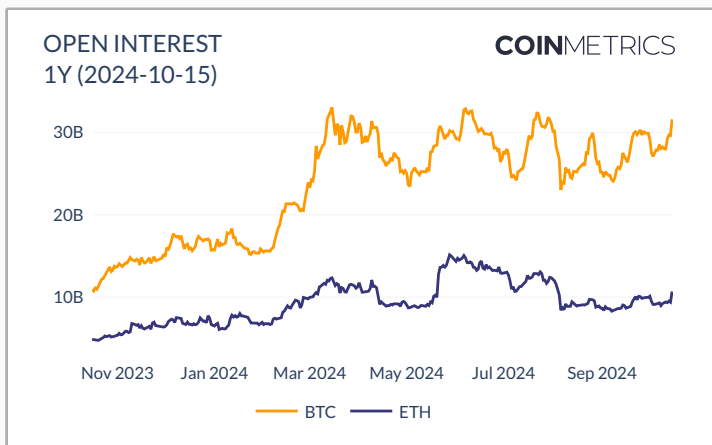
AAVE V2 BALANCE SHEET

PROTOCOL HEALTH RATIOS	VALUE	7D CHANGE
CURRENT RATIO	0.686928	-0.43%
DEBT TO ASSETS RATIO	1.000252	0.02%
PROTOCOL UTILIZATION RATIO	0.312822	0.9%
LIQUID SUPPLY RATIO	0.686928	-0.43%
ASSETS AND LIABILITIES	VALUE	7D CHANGE
ASSETS TOTAL USD	\$1,168M	0.48%
ASSETS TOTAL COUNT	49	0.0%
LIABILITIES TOTAL USD	\$1,168M	0.49%
LIABILITIES TOTAL COUNT	49	0.0%
LOANS LENT TOTAL USD	\$365M	1.4%
TVL TOTAL USD	\$802M	0.06%
NET WORKING CAPITAL USD	-\$366M	1.45%

TOP 10 ASSETS BY TOTAL VALUE LOCKED (USD)



FUTURES FEED



OPEN INTEREST

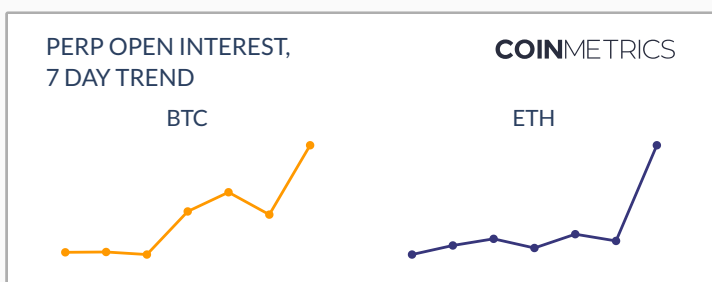
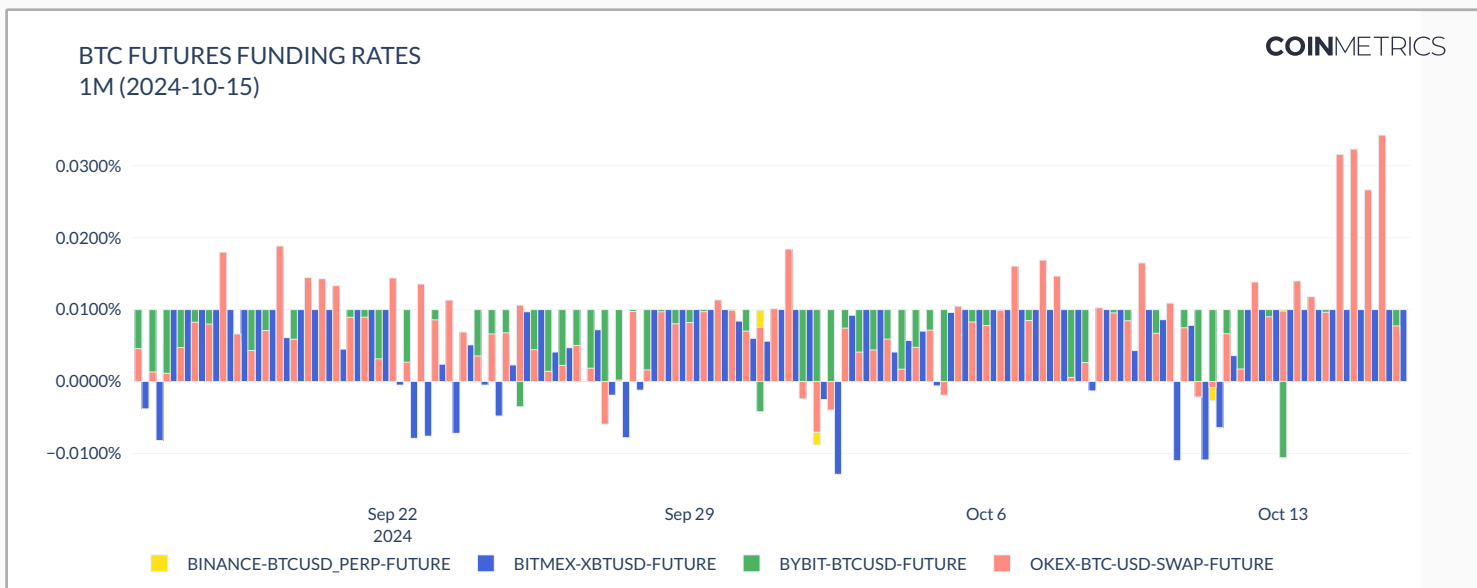
Sum of all reported open interest from futures markets in USD

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+11.94%	29,192,197,466	31,596,400,087	27,981,254,689
ETH	+15.88%	9,536,111,488	10,667,369,574	9,205,701,747
XRP	+10.20%	535,969,343	565,546,326	509,820,742
ADA	+7.84%	169,628,581	177,200,679	164,322,343
LINK	+22.37%	136,852,954	153,190,107	125,190,233
UNI	+30.22%	96,318,858	116,853,114	74,988,618
CRO	-18.54%	5,242,556	6,070,569	4,821,370
BCH	+22.79%	160,934,658	192,724,409	152,857,681
LTC	+6.16%	186,650,391	196,165,309	182,486,721

FUTURES VOLUME

USD value of all reported futures volume

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+95.75%	48,949,229,883	85,780,397,190	19,978,310,611
ETH	+56.16%	19,439,289,377	30,797,492,009	8,822,039,558
XRP	+96.54%	764,628,837	1,235,614,938	395,176,049
ADA	+85.33%	251,762,807	460,388,357	134,677,836
LINK	+85.99%	337,722,706	588,530,426	224,218,742
UNI	+114.26%	482,303,509	1,354,371,763	143,078,144
CRO	+6.56%	2,651,744	3,690,363	1,558,606
BCH	+551.87%	254,345,078	768,869,525	99,167,277
LTC	+382.27%	221,807,958	745,333,783	85,867,896



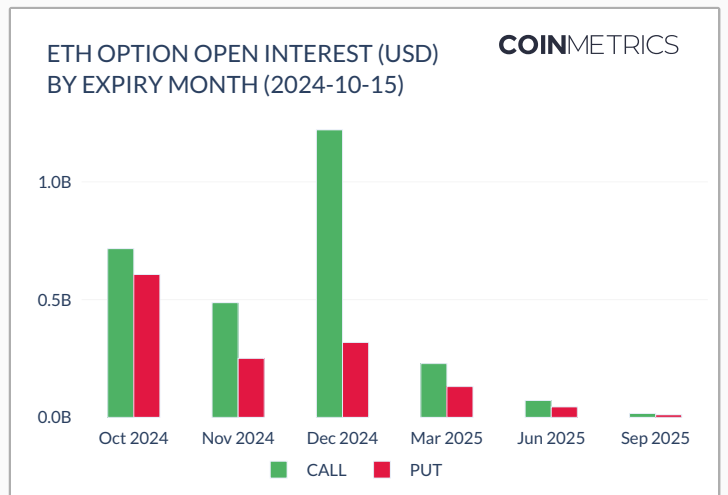
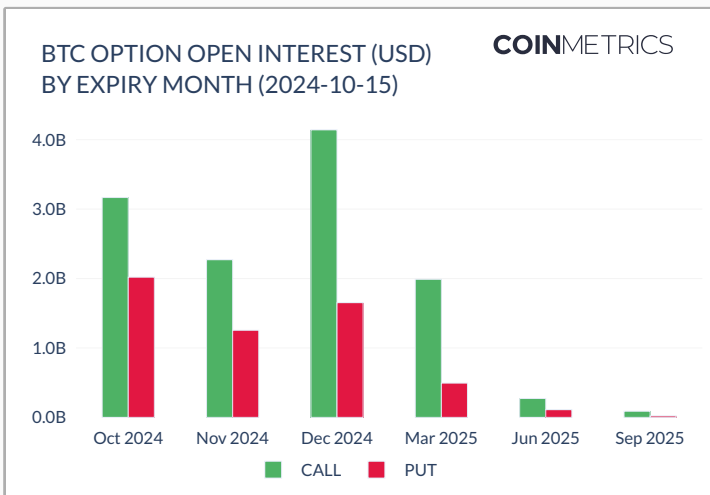
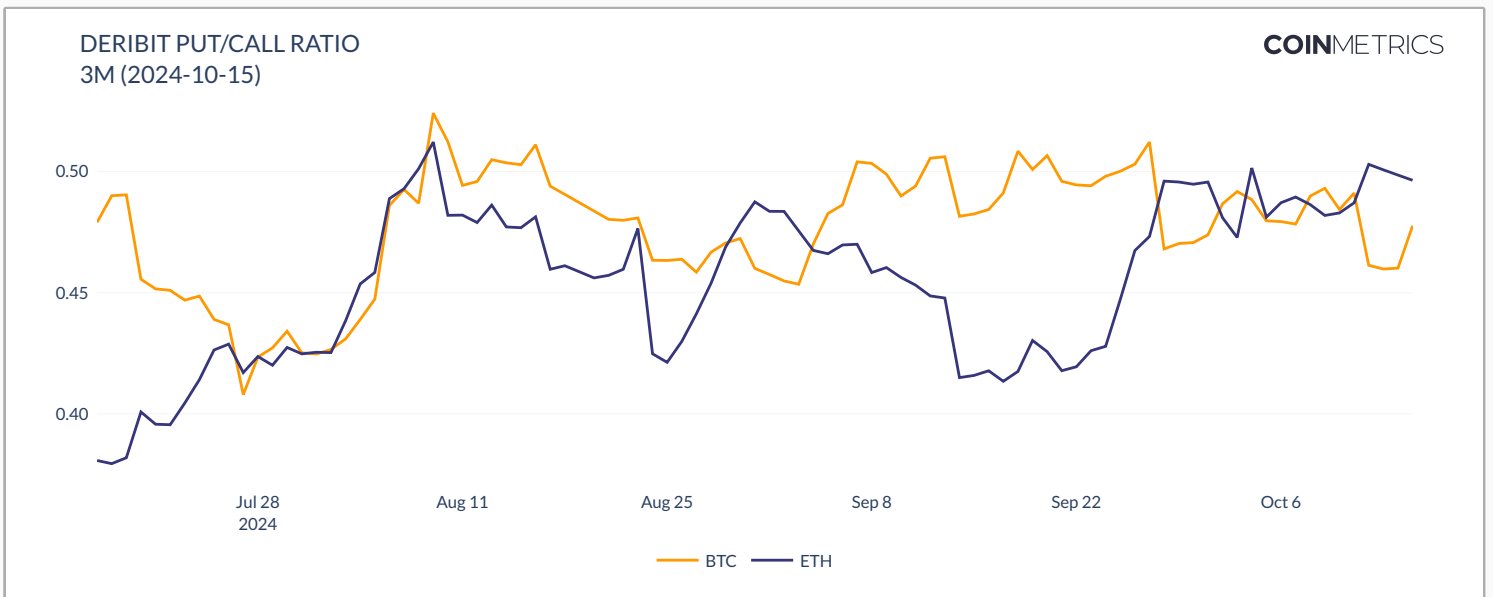
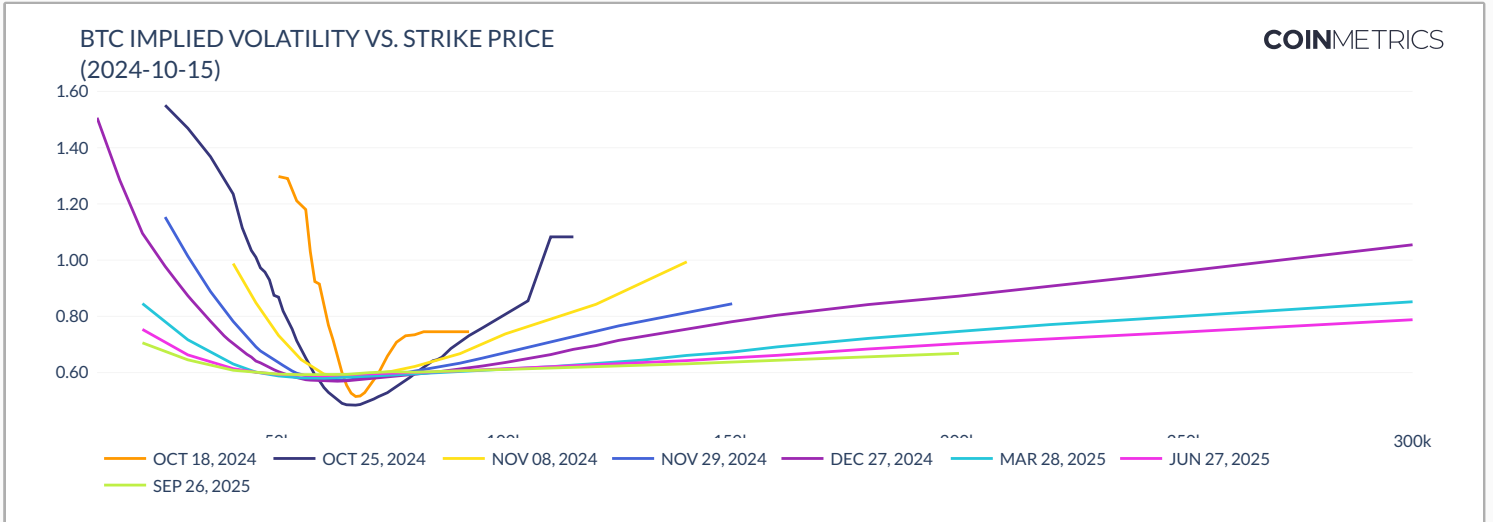
OPTIONS SNAPSHOT

BTC OPEN INTEREST

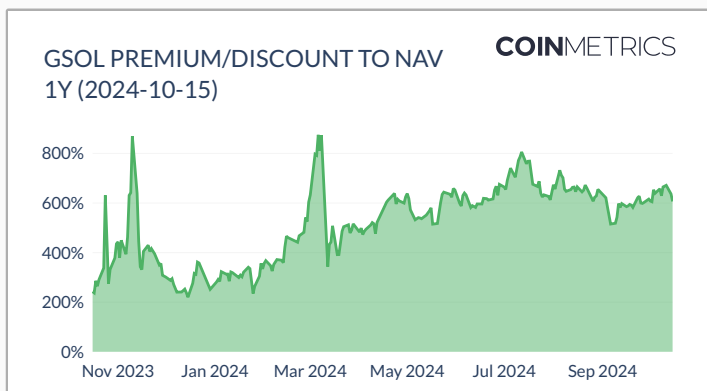
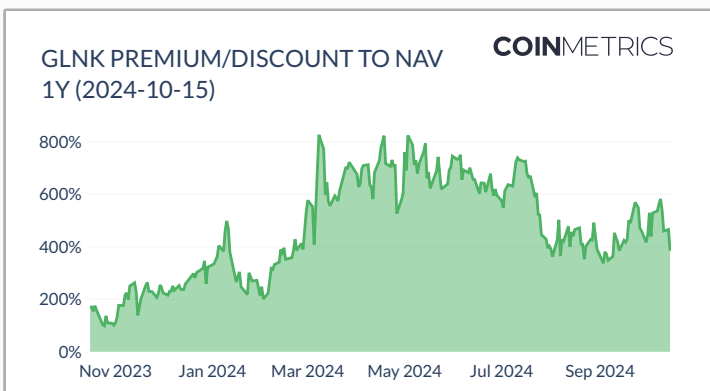
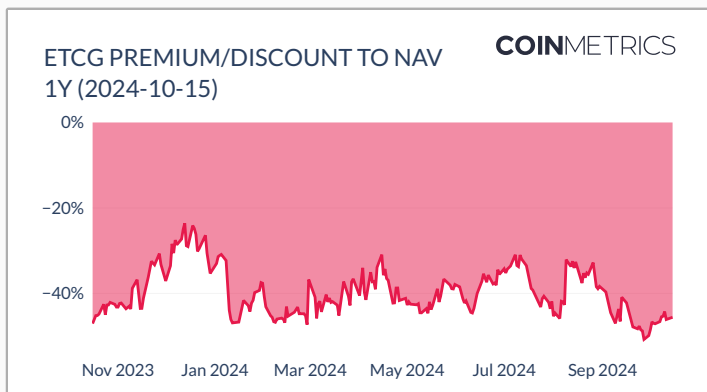
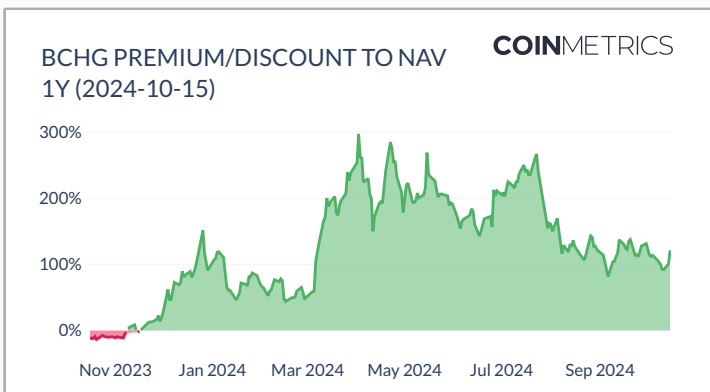
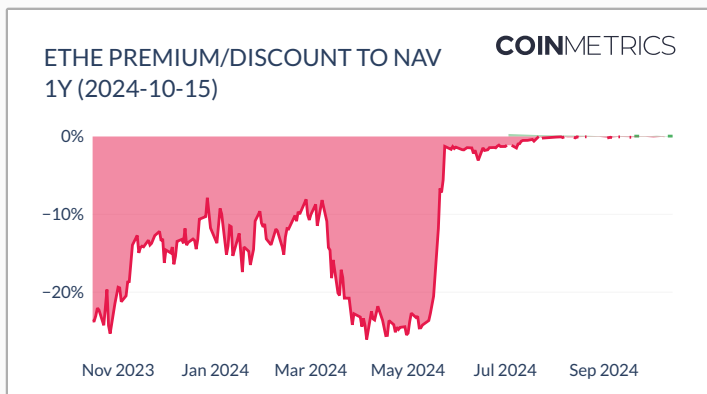
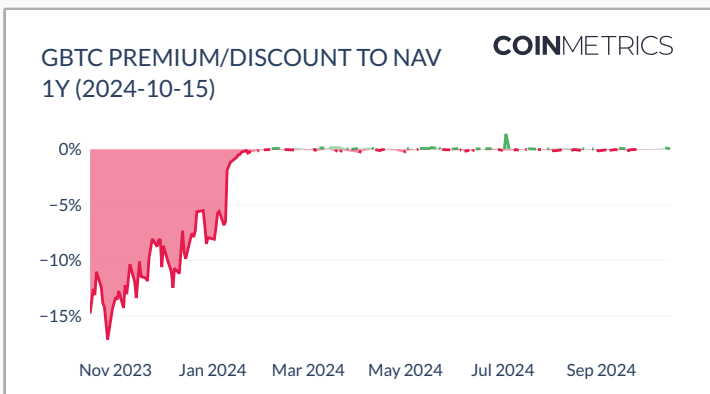
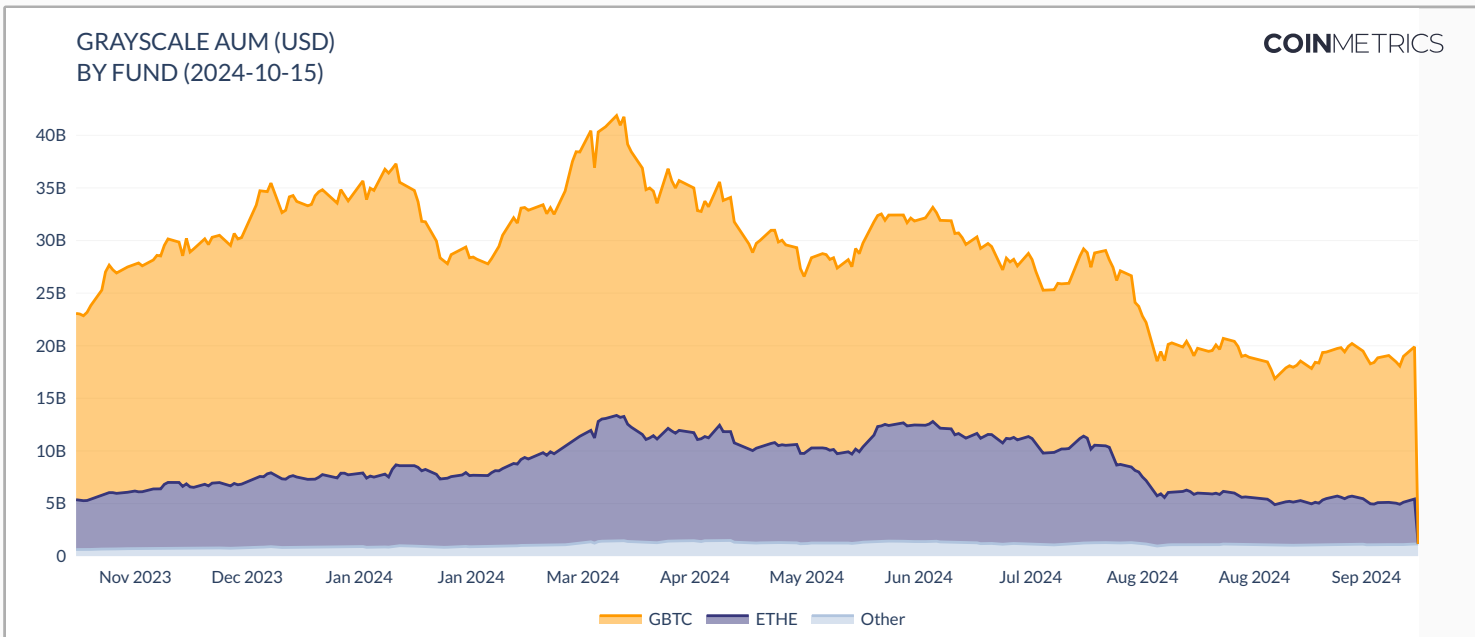
TOTAL	\$17,105,612,918
CALLS	\$11,692,910,424
PUTS	\$5,412,702,493

ETH OPEN INTEREST

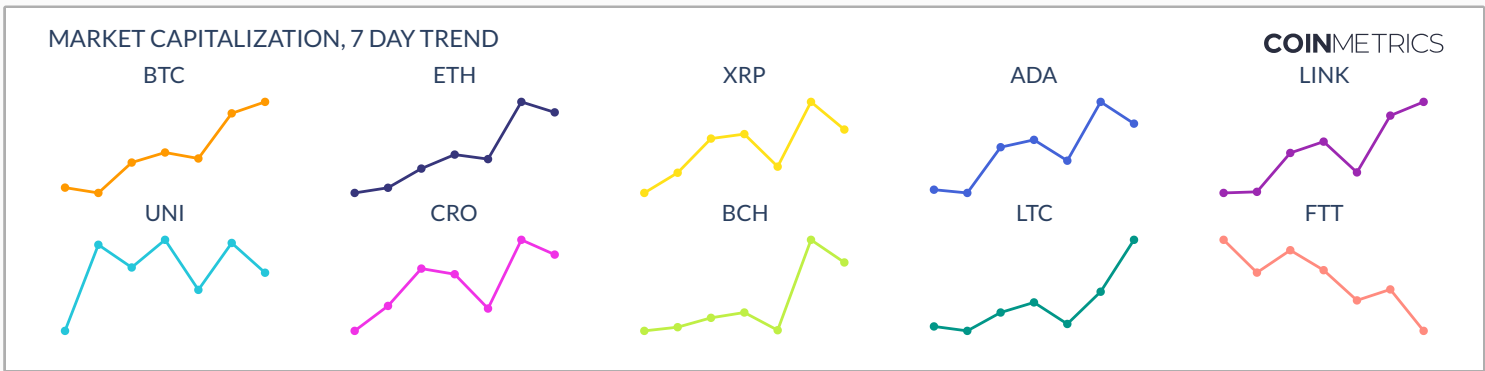
TOTAL	\$4,049,336,016
CALLS	\$2,704,200,973
PUTS	\$1,345,135,044



GRAYSCALE FUNDS



MARKET CAPITALIZATION



MARKET CAP

USD value of current supply. Also referred to as market capitalization.

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+10.44%	1,248,929,307,833	1,323,151,391,128	1,190,316,820,567
ETH	+9.86%	298,580,560,034	316,723,416,119	284,959,407,727
XRP	+3.11%	53,591,464,093	54,778,752,959	52,437,571,313
ADA	+5.37%	12,359,996,049	12,836,463,352	11,950,318,034
LINK	+8.23%	10,908,810,774	11,392,648,669	10,526,507,498
UNI	+7.71%	7,853,766,875	8,142,285,892	7,265,551,696
CRO	+4.08%	7,682,242,235	7,856,009,137	7,491,467,603
BCH	+10.46%	6,608,142,804	7,220,430,424	6,337,747,604
LTC	+9.40%	4,962,824,038	5,299,958,727	4,821,353,366
FTT	-15.83%	665,718,061	714,456,092	601,385,908

FREE FLOAT MARKET CAP

The sum USD value of the free float supply.

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+10.42%	864,194,955,823	915,472,741,808	823,683,983,838
ETH	+9.76%	264,070,852,230	280,075,945,139	252,122,872,376
XRP	+3.10%	26,886,537,847	27,481,883,210	26,308,119,925
ADA	+5.37%	11,077,372,583	11,503,084,119	10,710,758,083
LINK	+8.22%	6,685,703,689	6,981,891,804	6,451,682,902
UNI	+8.73%	2,406,475,937	2,497,561,658	2,219,100,300
CRO	+4.07%	757,314,940	774,443,942	738,517,523
BCH	+10.44%	4,269,403,514	4,664,707,987	4,095,281,839
LTC	+9.40%	3,788,456,702	4,045,812,862	3,680,500,962
FTT	-15.83%	665,715,936	714,453,811	601,383,989

REALIZED CAP

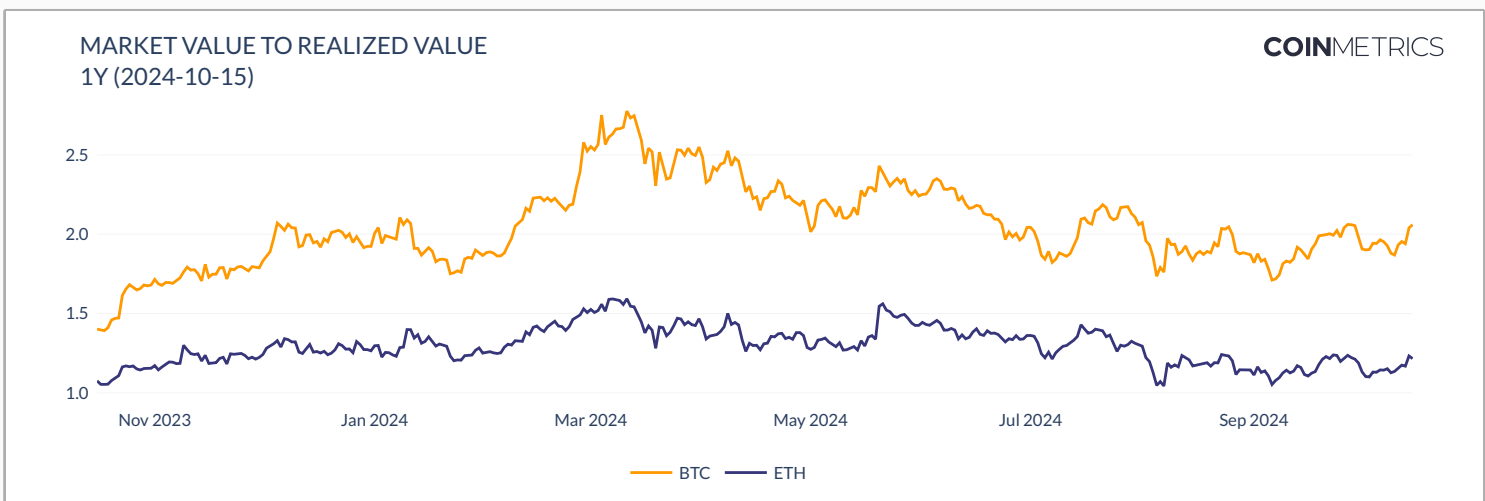
USD value for all native units based on the USD closing price on the day that a unit last moved.

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+0.79%	639,298,740,563	642,250,005,512	636,992,684,993
ETH	+1.79%	254,474,363,063	257,488,952,899	252,596,613,460
XRP	+0.12%	57,184,154,234	57,220,753,439	57,140,810,762
ADA	-0.08%	16,181,917,882	16,207,443,809	16,171,255,820
LINK	+0.66%	11,016,193,047	11,058,554,830	10,984,422,290
UNI	+0.48%	9,167,792,652	9,186,221,379	9,129,210,226
CRO	+0.00%	20,963,266,481	20,964,113,687	20,962,038,873
BCH	+0.07%	5,687,954,200	5,692,689,193	5,684,927,940
LTC	+0.09%	6,533,525,637	6,538,554,833	6,531,488,303
FTT	-0.19%	638,227,110	638,691,261	637,410,677

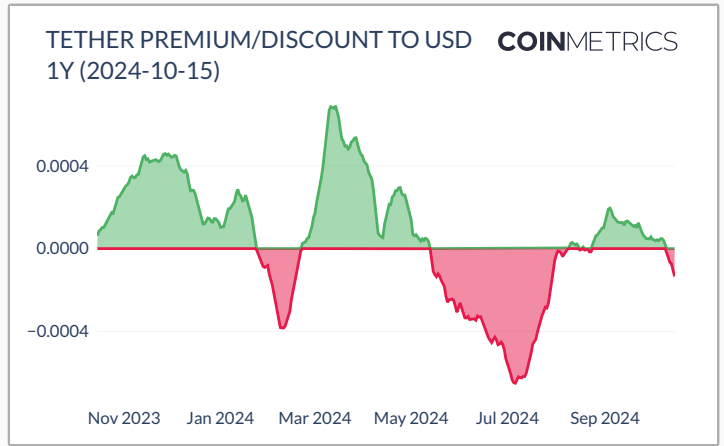
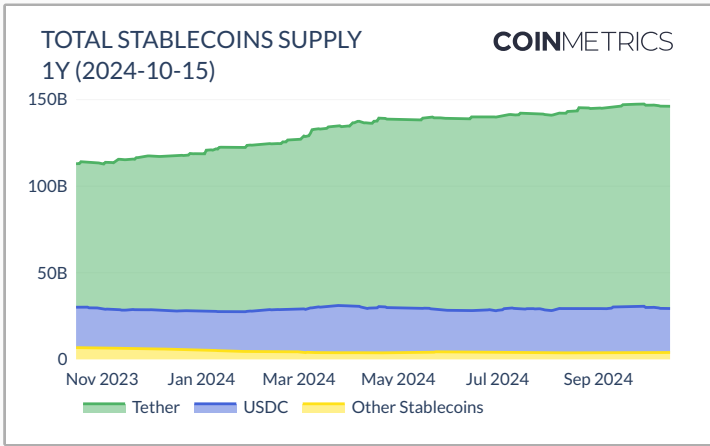
MARKET VALUE TO REALIZED VALUE

The ratio of a cryptoasset's market cap (aka market value) to realized cap (aka realized value).

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+9.57%	1.95	2.06	1.87
ETH	+7.93%	1.17	1.23	1.13
XRP	+2.98%	0.94	0.96	0.92
ADA	+5.45%	0.76	0.79	0.74
LINK	+7.52%	0.99	1.03	0.96
UNI	+7.19%	0.86	0.89	0.80
CRO	+4.08%	0.37	0.37	0.36
BCH	+10.39%	1.16	1.27	1.11
LTC	+9.30%	0.76	0.81	0.74
FTT	-15.67%	1.04	1.12	0.94



STABLECOINS REPORT



MARKET CAPITALIZATION

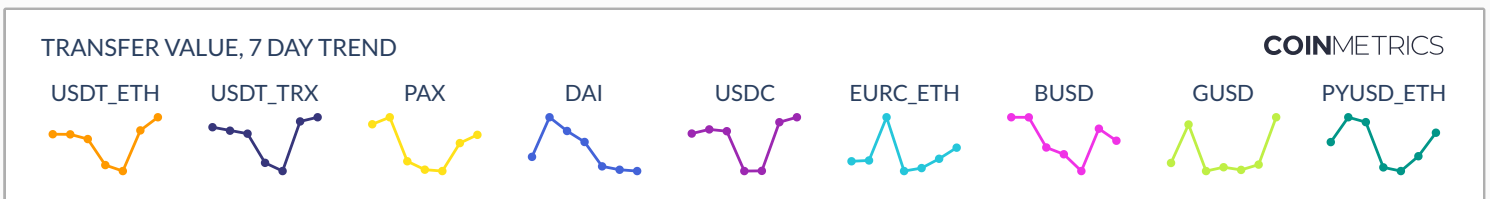
USD value of current supply

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
USDT_ETH	+0.08%	54,940,176,996	54,956,191,428	54,911,775,485
USDT_TRX	+0.08%	61,770,518,424	61,788,523,822	61,738,585,945
PAX	-0.03%	107,322,666	107,421,019	107,163,157
DAI	-0.13%	3,337,775,604	3,349,352,167	3,321,158,684
USDC	-0.23%	25,476,905,129	25,590,261,619	25,357,301,109
EURC_ETH	+0.07%	41,265,625	42,036,806	40,891,965
BUSD	-0.05%	69,340,758	69,348,063	69,313,771
GUSD	-2.86%	72,453,047	73,498,508	71,396,963
PYUSD_ETH	-3.55%	369,353,867	377,984,147	349,922,966

TRANSFER VALUE, ADJUSTED

USD value of the sum native units transferred removing noise

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
USDT_ETH	+33.84%	4,232,111,442	6,647,574,194	1,316,290,817
USDT_TRX	+13.79%	13,582,788,388	18,087,226,554	6,256,781,657
PAX	-21.42%	420,095	855,454	38,520
DAI	-44.77%	1,884,253,004	3,539,720,596	869,369,900
USDC	+29.58%	5,291,002,268	7,665,373,265	1,887,740,657
EURC_ETH	+92.18%	4,031,691	11,236,338	950,094
BUSD	-41.88%	23,022	38,210	1,560
GUSD	+187.49%	2,329,940	4,888,736	1,135,284
PYUSD_ETH	+31.42%	35,797,016	70,358,599	1,152,141



TRANSACTION COUNT

Count of transactions

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
USDT_ETH	+15.47%	120,947	139,480	93,607
USDT_TRX	+7.84%	2,203,402	2,493,429	1,779,219
PAX	+14.29%	39	60	16
DAI	+32.93%	3,267	3,988	2,357
USDC	+19.78%	57,488	63,559	53,062
EURC_ETH	+72.41%	84	160	47
BUSD	+54.17%	30	53	16
GUSD	+220.00%	89	176	38
PYUSD_ETH	-1.09%	1,392	1,613	1,110

MEDIAN TRANSFER VALUE

Median USD value transferred per transfer between addresses

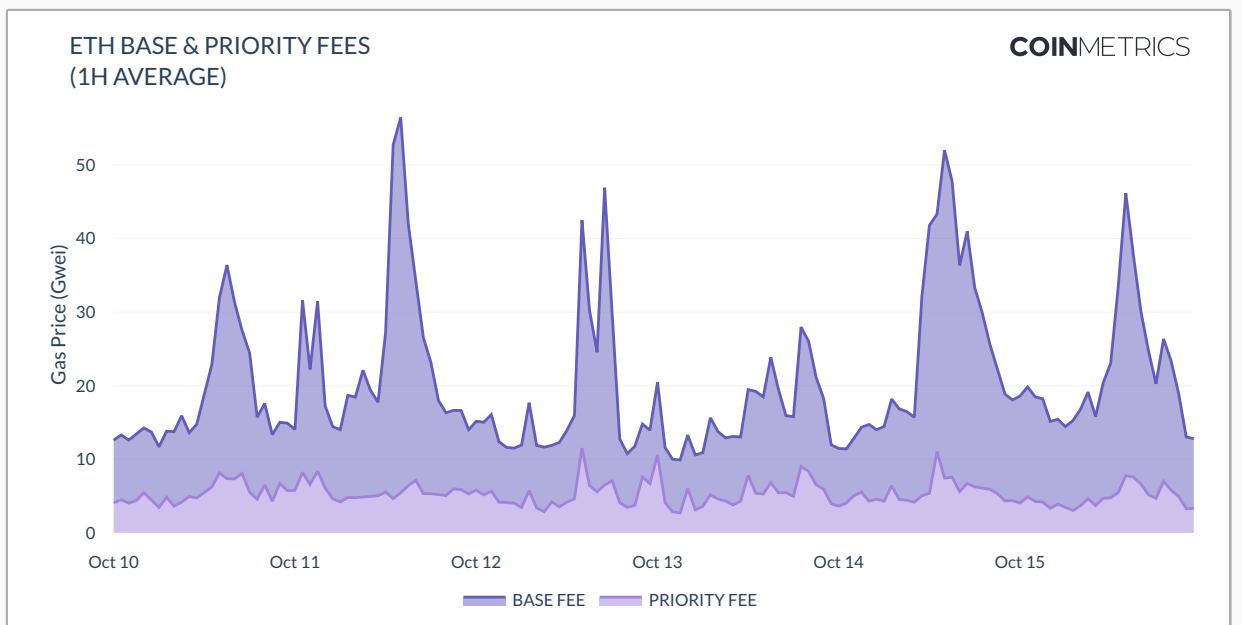
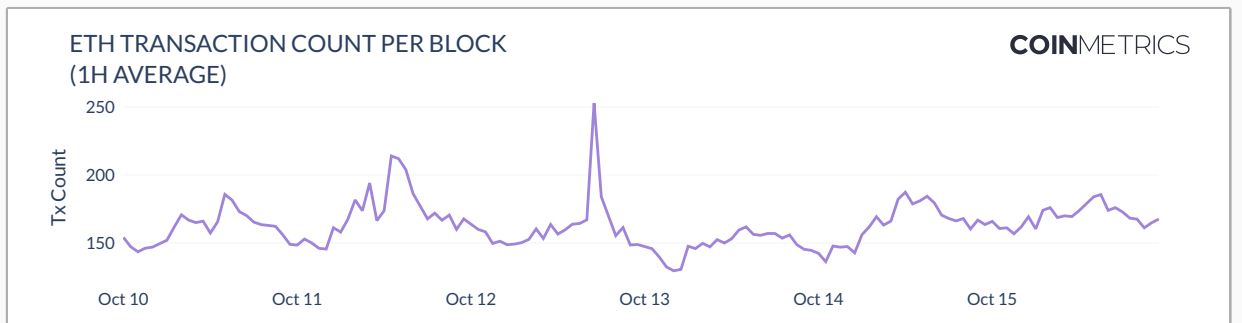
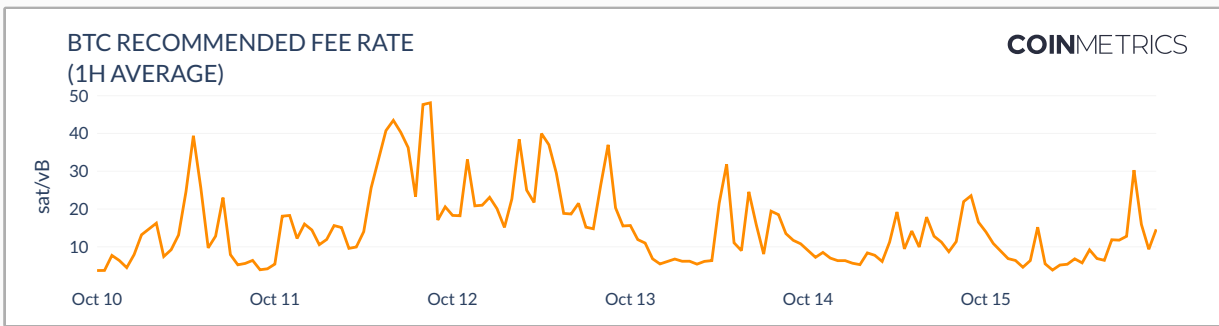
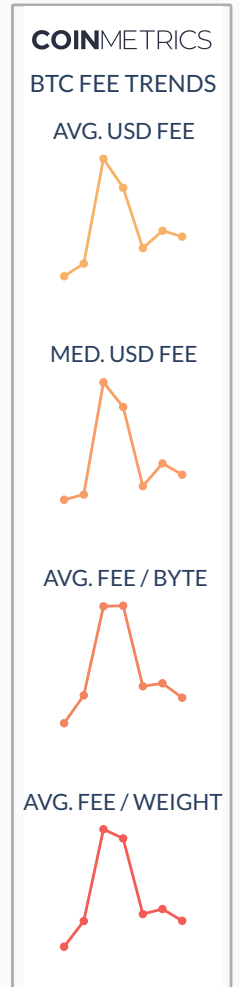
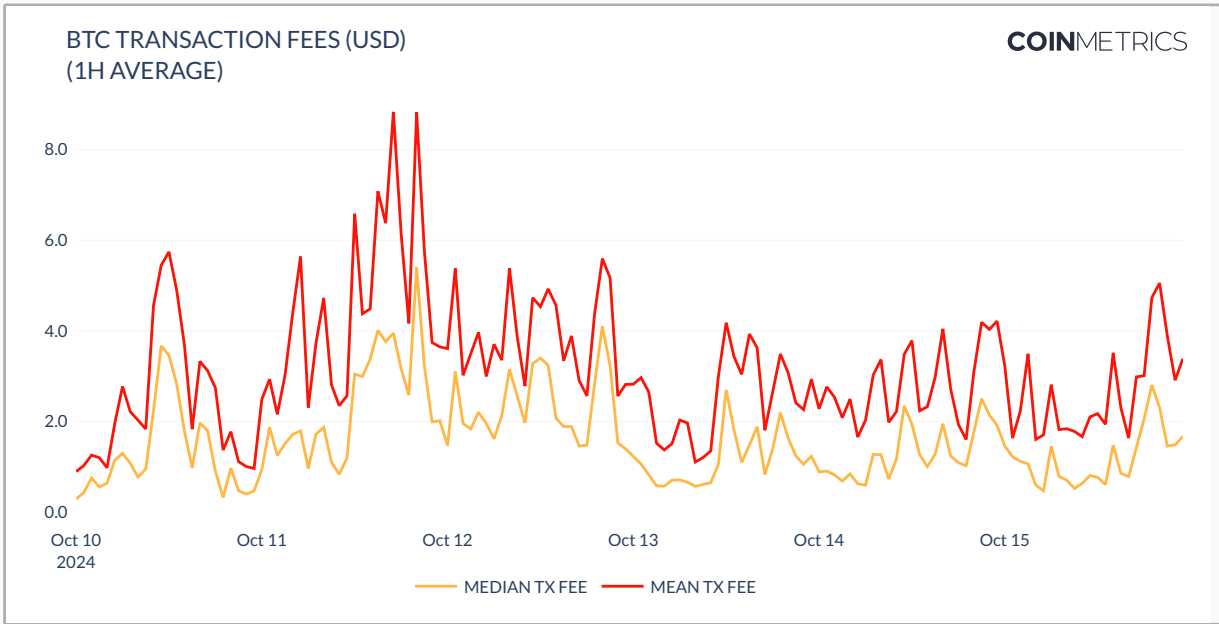
ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
USDT_ETH	+8.35%	586	700	400
USDT_TRX	+14.65%	274	299	237
PAX	+94.89%	1,273	3,990	103
DAI	+30.20%	3,364	5,005	1,296
USDC	+20.96%	659	999	250
EURC_ETH	+123.39%	10,931	54,779	435
BUSD	-50.42%	329	1,354	50
GUSD	+47.83%	5,059	11,081	836
PYUSD_ETH	+15.14%	125	133	114

VELOCITY

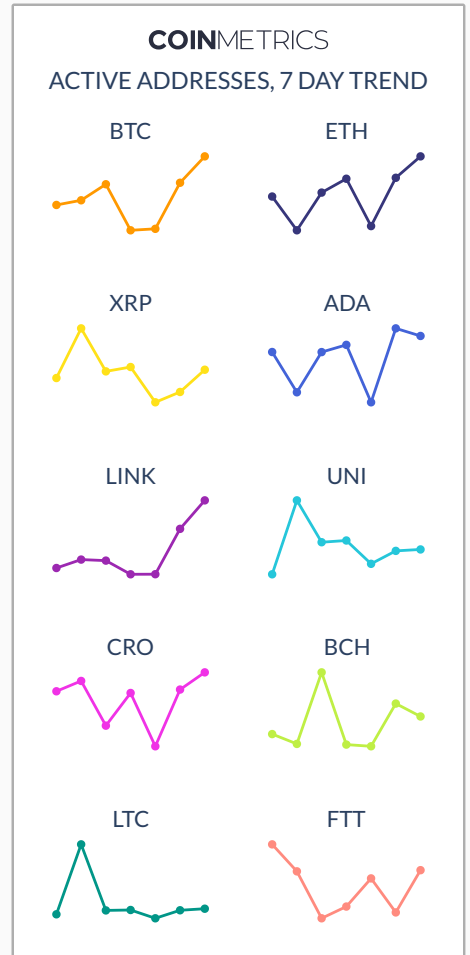
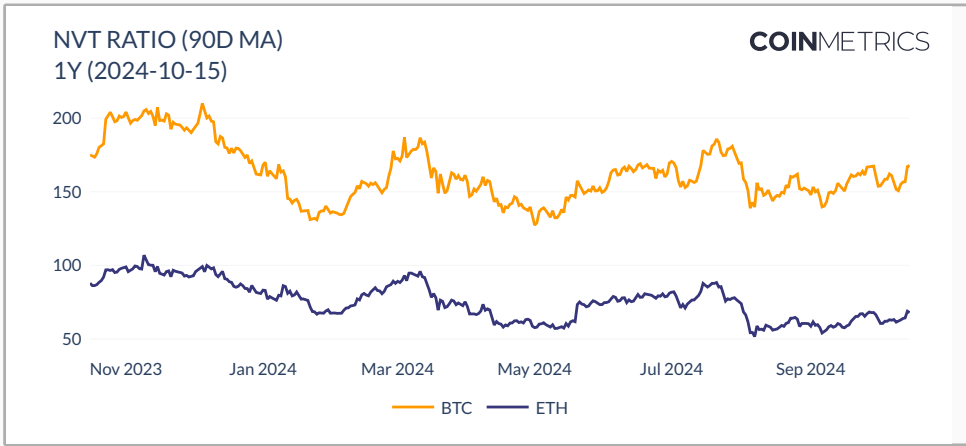
Number of times that an average native unit among the active supply has been transferred in the past 1 year

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
USDT_ETH	+0.56%	40.08	40.21	39.99
USDT_TRX	+0.85%	81.66	82.04	81.35
PAX	-1.04%	42.46	42.79	42.35
DAI	+0.55%	1,079.98	1,088.13	1,075.38
USDC	+0.92%	83.18	83.80	82.73
EURC_ETH	+2.54%	27.25	27.64	26.65
BUSD	-2.11%	554.20	562.71	550.82
GUSD	+3.48%	50.15	51.01	49.29
PYUSD_ETH	+8.04%	27.99	30.39	27.20

FEE MARKET



NETWORK DATA FUNDAMENTALS



ACTIVE ADDRESSES

Count of unique addresses that were active in the network

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+17.80%	684,712	787,245	606,243
ETH	+6.99%	484,705	516,385	454,242
XRP	+4.54%	27,050	33,438	22,782
ADA	+3.73%	25,309	27,095	22,679
LINK	+36.67%	2,137	2,691	1,902
UNI	+47.90%	1,066	1,671	689
CRO	+4.56%	236	252	209
BCH	+37.45%	49,811	93,257	29,875
LTC	+7.45%	373,090	621,905	304,614
FTT	-16.30%	100	135	72

FREE FLOAT SUPPLY

Sum of native units readily available to trade in open markets

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	-0.00%	13,677,535	13,678,145	13,677,108
ETH	-0.09%	106,470,004	106,507,953	106,414,931
XRP	-0.00%	50,162,941,253	50,163,861,715	50,161,919,012
ADA	+0.03%	31,625,955,130	31,635,929,160	31,620,963,691
LINK	-0.01%	612,872,397	612,898,713	612,841,843
UNI	+0.95%	306,403,463	308,320,870	305,427,639
CRO	-0.00%	9,857,994,729	9,858,115,418	9,857,729,452
BCH	-0.01%	12,775,110	12,776,384	12,774,236
LTC	+0.03%	57,310,658	57,319,037	57,302,499
FTT	+0.00%	328,894,054	328,894,054	328,894,054

TRANSACTION COUNT

Count of transactions

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+21.35%	651,269	759,342	534,258
ETH	+2.61%	1,167,116	1,227,069	1,060,369
XRP	+36.82%	1,402,954	1,585,181	1,138,202
ADA	+14.42%	33,891	39,674	29,186
LINK	+46.43%	2,507	3,368	2,083
UNI	+59.72%	1,978	3,835	1,060
CRO	+21.93%	276	355	221
BCH	+3.57%	27,719	74,541	13,398
LTC	+5.21%	191,137	210,984	171,134
FTT	-35.29%	154	238	100

TRANSFER VALUE, ADJUSTED

USD value of the sum native units transferred removing noise

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+66.07%	7,891,329,823	13,045,942,652	3,342,384,472
ETH	+36.93%	4,148,921,450	6,045,214,789	2,014,549,045
XRP	+27.77%	1,863,616,761	11,283,285,261	100,918,992
ADA	+28.41%	4,382,470,195	5,389,063,064	3,332,383,059
LINK	+86.16%	59,368,059	102,308,445	32,062,862
UNI	+544.03%	63,979,699	110,602,556	17,173,439
CRO	+5.68%	2,533,834	13,395,882	420,880
BCH	+341.24%	32,304,205	72,122,439	16,345,461
LTC	+62.74%	73,244,153	101,958,773	53,449,031
FTT	-11.01%	2,614,323	8,428,451	404,520

ADDRESSES ≥ \$1

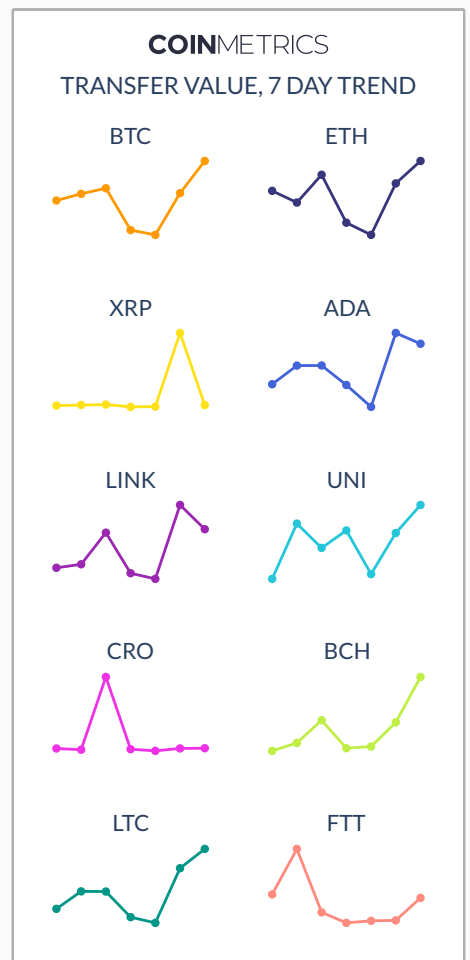
Count of addresses holding at least \$1 worth of native units

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+0.81%	46,274,782	46,443,516	46,043,225
ETH	+2.89%	75,215,044	76,523,159	74,164,189
XRP	+0.12%	5,351,871	5,355,287	5,348,729
ADA	+0.56%	3,542,612	3,559,384	3,530,236
LINK	+0.23%	569,898	570,663	569,378
UNI	+0.46%	303,410	303,963	302,114
CRO	+0.25%	155,735	155,919	155,484
BCH	+2.23%	4,981,594	5,086,119	4,933,290
LTC	+1.81%	2,678,068	2,703,597	2,655,618
FTT	-0.97%	24,035	24,128	23,895

ADDRESSES ≥ \$1M

Count of addresses holding at least \$1M worth of native units

ASSET	7D CHANGE	7D AVERAGE	7D MAX	7D MIN
BTC	+6.89%	110,480	115,293	107,599
ETH	+9.01%	12,272	12,965	11,802
XRP	+2.03%	1,348	1,366	1,329
ADA	+3.71%	963	988	942
LINK	+8.63%	661	692	637
UNI	+1.92%	375	386	364
CRO	+3.23%	32	32	31
BCH	+9.28%	457	500	441
LTC	+8.78%	444	471	433
FTT	-33.33%	20	24	16



DATA EXPLAINER (P.1)

ESTIMATED MARKET CAPITALIZATION (MARKET CAP)

Estimated Market Capitalization (Market Cap) is an asset's reported supply multiplied by its price. In this version of the metric, circulating supply is reported by the projects or other derived sources.

PRICE

Closing Price (4PM), High Price, Low Price, % Change in Price for each asset for the previous month and the previous 52-week period. Price represents Coin Metrics' Reference Rate, which is calculated using an independent methodology robust to manipulation. [More information](#) on Coin Metrics' Reference Rates.

DIGITAL ASSET TAXONOMY

Asset classes, sectors, and sub-sectors are derived from datonomy™, a digital asset classification system created by Coin Metrics, Goldman Sachs, and MSCI, offering a consistent, standardized way for investors to analyze the digital assets ecosystem.

Class is the top level of the classification system, describing the fundamental purpose of an asset.

Sector describes specialization of an asset within a class.

Sub-Sector delineates the asset within a sector by the specific product, service, or function it provides to users.

datonomy™ offers a new level of transparency into how the market is moving and serves as a powerful foundation for portfolio performance measurement, risk management, reporting, & investment strategy. [More info](#) on datonomy.

SECTOR INDEXES

The Total Market Series is a suite of indexes measuring segments of the digital assets ecosystem as defined by datonomy™, allowing investors to passively track the growth of sectors and sub-sectors. The full list of index offerings is outlined below:

- **CMBIAUE:** CMBI Application Utilities Sector Even
- **CMBIBUE:** CMBI Blockchain Utilities Sector Even
- **CMBIBSE:** CMBI Business Services Sector Even
- **CMBIDFIE:** CMBI Decentralized Finance Sector Even
- **CMBIIITE:** CMBI Information Technology Sector Even
- **CMBIIIFE:** CMBI Intermediated Finance Sector Even
- **CMBIMSE:** CMBI Media Services Sector Even
- **CMBIMTAE:** CMBI Metaverse Sector Even
- **CMBISCP:** CMBI Smart Contracts Platform Sector Even
- **CMBISCE:** CMBI Specialized Coins Sector Even
- **CMBIVTCE:** CMBI Value Transfer Coins Sector Even
- **CMBIDEXE:** CMBI Decentralized Exchanges Sub-Sector Even
- **CMBINSE:** CMBI Network Scaling Sub-Sector Even
- **CMBINFTE:** CMBI NFT Ecosystem Sub-Sector Even

CMBI SINGLE ASSET SERIES

The CMBI Single Asset Series provide the cryptoasset community, investors and asset managers with publicly available and investable benchmarks that reliably and accurately track the price of a single cryptoasset, through sourcing market prices from numerous global liquidity venues. [More information](#) on Coin Metrics Indexes.

CMBI BITCOIN

Daily level for Coin Metrics Bletchley Index (CMBI) Bitcoin for the previous month. CMBI Bitcoin tracks the price and performance of Bitcoin by sourcing BTC/USD market prices from numerous global liquidity venues. As of 10/13/2024 constituent markets in the CMBI Bitcoin were Binance.US, Bitstamp, Bittrex, Coinbase, Gemini, itBit and Kraken. [More information](#) on Coin Metrics Indexes.

CMBI ETHEREUM

Daily level for CMBI Ethereum for the previous month. CMBI Ethereum tracks the price of Ethereum by sourcing ETH/USD market prices from numerous global liquidity venues. As of 10/13/2024 constituent markets in the CMBI Ethereum were Binance.US, Bitstamp, Bittrex, Coinbase, Gemini, itBit and Kraken. [More information](#) on Coin Metrics Indexes.

CMBI MULTI ASSET SERIES

The CMBI Multi Asset Series provide the cryptoasset community, investors and asset managers with publicly available and investable benchmarks that reliably and accurately track the value of cryptoasset markets. [More information](#) on Coin Metrics Indexes.

CMBI 10

Daily level for CMBI 10 for the previous month. The CMBI 10 is designed to measure the performance an investor would expect from investing in a diversified basket of cryptoassets weighted by their free float market capitalization. The 10 largest cryptoassets, defined by an asset's expected 10 year future market capitalization, are selected as the index constituents. [More information](#) on Coin Metrics Indexes.

CMBI 10 MOMENTUM

Daily level for CMBI 10 Momentum for the previous month. The CMBI 10 Momentum is designed to measure the performance of a short term momentum factor applied to a basket of the 10 largest cryptoassets. The 10 largest cryptoassets, defined by an asset's expected 10 year future market capitalization, are selected as the index constituents. [More information](#) on Coin Metrics Indexes.

DATA EXPLAINER (P.2)

TRADING DIARY

Total Volume, which is the total traded volume for the previous week for the cryptoassets under Coin Metrics Reference Rate Coverage.

Adv. Volume is the total traded volume for the previous week for all cryptoassets under Coin Metrics Reference Rate Coverage that had closing prices higher than their opening prices for the week.

Decl. Volume is the total traded volume for the previous week for all cryptoassets under Coin Metrics Reference Rate Coverage that had closing prices lower than their opening prices for the week.

Advances are the number of cryptoassets that had closing prices higher than their opening price for the week.

Declines are the number of cryptoassets that had closing prices lower than their opening price for the week.

The ratio of advances to declines can be used to determine the breadth of market direction. For example, higher advance/decline ratios indicate that advancing market direction is driven by a broader set of cryptoassets.

EXCHANGE SPOT VOLUME MARKET SHARE

Market share of exchange spot volume for the previous week for the Markets covered by Coin Metrics.

BASE ASSET SPOT VOLUME MARKET SHARE

Market share of base asset volume for the previous week for the top 25 cryptoassets based on volume under Coin Metrics Reference Rate Coverage.

LIQUIDATIONS

Exchanges which offer futures products have a liquidation system that will attempt to close a market participant's position before the point at which the market participant begins to owe more than the available amount of collateral in their account. If a short trade enters liquidation, the exchange will enter a 'buy' order to forcibly close out the position. Vice versa, if a long trade enters liquidation, the exchange will enter a 'sell' order to forcibly close out the position.

% PRICE CHANGE

Percentage change in price over the previous week for cryptoasset gainers and losers in Coin Metrics' Reference Rate and Market Cap coverage universe. Coin Metrics' price/Reference Rate is calculated using an independent methodology robust to manipulation. [More information](#) on Coin Metrics' Reference Rates.

REPORTED EXCHANGE VOLUME

Our exchange reported volume metric is an aggregation of the daily reported volume from an exchange in units of U.S. dollars.

SPOT VOLUME SHARE, % BY ASSET

Exchange spot volume asset share is derived using Coin Metrics market candles. Candles include volume and volume-weighted average price, as well as open, high, low, and close values for each market. Candles are available at various intervals, from 1-minute to 1-day frequency. Candle USD volume is calculated by aggregating the total volume of trades for each base pair in a given window and multiplying by the asset's Coin Metrics Reference Rate.

ORDER BOOK DEPTH

Order book depth (+/-2%) is calculated using Coin Metrics order book snapshots. Coin Metrics stores three types of order book snapshots. One type consists of a snapshot of the top 100 bids and top 100 asks taken once every 10 seconds for major markets. The 2nd type includes all levels where the price is within 10 percent of the midprice taken once every 10 seconds for major markets. The 3rd type consists of a full order book snapshot (every bid and every ask) taken once every hour for all markets that we are collecting order book data for.

DEX REPORTED SPOT VOLUME

Decentralized exchange spot volume is calculated by aggregating the total amount of USD trading volume occurring in major DEX liquidity pools. The subset of liquidity pools where both the base and the quote asset have a Coin Metrics Reference Rate are included.

DEX RISING VOLUME

Decentralized exchange rising volume is calculated by aggregating the total amount of USD trading volume occurring in major DEX liquidity pools and selecting the pools with the largest week-over-week rise in volume. The subset of liquidity pools where both the base and the quote asset have a Coin Metrics Reference Rate are included.

DEX FALLING VOLUME

Decentralized exchange falling volume is calculated by aggregating the total amount of USD trading volume occurring in major DEX liquidity pools and selecting the pools with the largest week-over-week decline in volume. The subset of liquidity pools where both the base and the quote asset have a Coin Metrics Reference Rate are included.

DATA EXPLAINER (P.3)

DEX VOLUME BY FEE TIER

Decentralized exchange volume by fee tier is calculated by aggregating the total amount of swap USD volume that occurred in each liquidity pool, segmented by the different fee tiers of pools available for each pair. Revenue by fee tier is calculated by multiplying the amount of USD volume by the fee tier of the liquidity pool in which the volume occurred. [More information](#) on Coin Metrics DeFi data.

DEX TOTAL VALUE LOCKED (TVL)

Decentralized exchange total value locked is derived by calculating the amount of tokens held in all DEX liquidity pools covered by Coin Metrics. Balance held by each liquidity pool smart contract is retrieved using ATLAS, Coin Metrics' universal blockchain search engine. [More information](#) on Coin Metrics ATLAS.

FUTURES OPEN INTEREST

The reported futures open interest from markets in Coin Metrics' coverage in units of U.S. dollars, aggregated across all futures markets for a particular asset. Covered markets can be found in the Coin Metrics [Data Encyclopedia](#).

FUTURES BASIS

The futures basis is the percent difference between the price of a dated futures contract and the price of its underlying spot market, calculated using the Coin Metrics Reference Rate. In addition to calculating futures basis manually, Coin Metrics also offers annualized [futures basis metrics](#) at the exchange-asset level.

FUTURES VOLUME

The reported futures volume from the markets in Coin Metrics' coverage in units of U.S. dollars, aggregated across all futures markets for a particular asset. Covered markets can be found in the Coin Metrics [Data Encyclopedia](#).

FUNDING RATES

Funding rates are a mechanism that exchanges use to ensure that perpetual futures trade at a price that is close to the price of the underlying spot markets. The funding rate is used to calculate the funding fee which long position holders pay short position holders, or vice versa, as a way to incentivize market participants to take positions that keep perpetual futures prices close to the underlying.

Positive funding rates indicate that the price of a perp contract is higher than mark price, forcing traders with long positions to pay those holding shorts. Inversely, negative funding rates mean that perp prices are below mark price, so those with shorts must pay the longs. Some analysts have noted that persistently positive funding rates tend to precede a downturn, while persistently negative rates can lead to short squeezes.

PERP & NON-PERP OPEN INTEREST

The reported futures open interest from markets in Coin Metrics' coverage in units of U.S. dollars, aggregated across all futures markets for a particular asset and segmented by contract type (perpetual and non-perpetual futures).

A perpetual ("perp") contract is a special type of futures contract, which is an agreement to buy or sell a cryptoassets at a predetermined price at a specified time in the future. Perpetuals do not have an expiry date, so one can hold the position for as long as desired.

OPTIONS OPEN INTEREST

The reported options open interest from markets in Coin Metrics' coverage in units of U.S. dollars. Currently, the open interest displayed is collected from Deribit, the largest crypto options exchange. Open interest is broken down into calls (long positions) and puts (short positions) to highlight prevailing investor sentiment.

OPTIONS IMPLIED VOLATILITY VS. STRIKE PRICE (VOLATILITY SMILE)

Implied volatility represents the market's expectation of future volatility as derived from options prices, calculated using an options pricing model. When this value is input to an options pricing model, that makes the actual options price equal to its theoretical price.

The options implied volatility (IV) vs. strike price visualization (also known as a "volatility smile") is generated by plotting the IV of each options contract with a common expiration date against the corresponding strike prices of each contract. This representation underscores the fact that out-of-the-money (OTM) options must factor in a higher likelihood of extreme, market-moving events when compared to in-the-money (ITM) options, warranting a higher premium to be paid for the IV component of that contract.

OPTIONS GREEKS

Option greeks represent the sensitivity of the price of an options contract with respect to changes in its underlying parameters. Greeks are used in risk management & hedging so that market participants can achieve their desired exposure. Exchanges report the following greeks:

- **Vega:** The 1st derivative of an option's price to the volatility of the underlying asset's price.
- **Theta:** The 1st derivative of an option's price to the passage of time.
- **Rho:** The 1st derivative of an option's price to the risk free interest rate.
- **Delta:** The 1st derivative of an option's price to the underlying asset's price.
- **Gamma:** The 2nd derivative of an option's price to the underlying asset's price.

DATA EXPLAINER (P.4)

MARKET CAPITALIZATION (MARKET CAP)

Market Capitalization (Market Cap) is an asset's on-chain supply (Coin Metrics' Current Supply) multiplied by its price. Current supply is the sum of all native units ever created (i.e., issued) and visible on the ledger.

Market cap is the most commonly used measure of a cryptoasset's total market value. However, market cap can be misleading because it treats each unit of supply equally. Unlike with traditional equities, significant amounts of cryptoassets are permanently lost or go unclaimed, yet are still counted as part of the on-chain supply.

FREE FLOAT MARKET CAP

The sum USD value of the free float supply. Also referred to as free float network value or free float market capitalization.

Free Float Market Capitalization is a measure of the market value of an asset's supply that is issued and available to market participants. This excludes supply that is held by company insiders, controlling investors, and long term strategic holders. Free Float Supply also excludes large token burn wallets and funds that have been provably lost.

REALIZED CAP

Realized cap is calculated by valuing each unit of supply at the price it last moved on-chain (i.e. the last time it was transacted). For example if a coin was last transacted three years ago when the price was \$2,500, that particular coin would be priced at \$2,500 instead of the current market price. The realized cap is the total sum of all coins priced this way.

Realized cap provides a more realistic representation of market cap and discounts coins that are lost or out of circulation.

MARKET TO REALIZED VALUE (MVRV)

MVRV is the ratio of a cryptoasset's market cap (aka market value) to realized cap (aka realized value).

It can be used to help gauge cryptoasset market tops and bottoms. Historically, periods where Bitcoin's MVRV has dropped below 1.0 have coincided with market bottoms and in hindsight have been the best times to buy.

TOTAL STABLECOIN SUPPLY

Total Stablecoin Supply based on Coin Metrics' Current Supply, which reflects all native units ever created and visible on the ledger (i.e., issued). Tether supply includes Tether Omni, Tether ETH, and Tether Tron. Other Stablecoins include PAX, DAI, USDC, BUSD, GUSD, HUSD, TUSD, and SAI.

TETHER PREMIUM/DISCOUNT TO USD

30-day moving average of Tether's price YTD premium or discount to USD. Price represents Coin Metrics' Reference Rate, which is calculated using an independent methodology robust to manipulation. [More information](#) on Coin Metrics' Reference Rates.

MARKET CAPITALIZATION

See prior explanation.

TRANSFER VALUE, ADJUSTED

Transfer value is the total amount of a cryptoasset transferred over the course of a day, denominated in USD. We adjust raw transfer value to remove noisy "non-economic" behavior such as self-sends and spam.

TRANSACTION COUNT

Transaction count is the measure of the number of transactions either sent or received on a daily basis. Similar to active addresses it is a measure of network activity but it is susceptible to some spam and other types of manipulation.

MEDIAN TRANSFER VALUE

The median USD value transferred per transfer (i.e., the median "size" in USD of a transfer) between distinct addresses.

VELOCITY

The ratio of the value transferred (i.e., the aggregate "size" of all transfers) in the trailing 1 year divided by active supply in the trailing 1 year.

Velocity can be thought of as the rate of turnover— the number of times that an average native unit among the active supply has been transferred in the past 1 year.

DATA EXPLAINER (P.5)

MEMPOOL SIZE VS. FEE RATES

Coin Metrics' Mempool Monitor provides a full breakdown of what other network participants are willing to pay to have their transactions settled, thereby enabling precise fee estimation and settlement prediction. The chart showcases all feerate levels that have corresponding transactions in the mempool. For each feerate level, the total number of mempool transactions, as well as their size (in virtual bytes), are monitored.

BTC RECOMMENDED FEE RATE

The recommended minimum feerate required for a transaction to be included in the upcoming blockchain block. This metric accounts for situations where there are many transactions paying the minimum feerate by adding an additional cushion to the minimum estimate, providing better settlement guarantees.

BTC FEE TRENDS

The USD value of the mean and median fee per transaction that interval. Average fees per unit of blockspace (bytes and virtual bytes) are also calculated.

TRANSACTION COUNT PER BLOCK

The count of all transactions within the most recent block processed.

ETH GAS PRICES

The most recent block we processed within a 1-minute window is evaluated and its Base Fee and Priority Fees are captured. The concept of a Base Fee was introduced as part of EIP-1559 and it represents the portion of the total transaction fees that is destroyed and taken out of circulation (i.e. burnt). Ethereum post-1559 requires users to pay for a Base Fee as a prerequisite to include transactions in a block. The Base Fee can go up or down on the basis of the size (in gas units) of the previous block. The concept of a Priority Fee was introduced as part of EIP-1559 and it represents the portion of the total transaction fees that rewards validators. This serves as an added incentive so that validators prioritize transactions that have opted-in and paid a tip.

ETH FEE TRENDS

The USD value of the mean and median fee per transaction that interval. The sum gas used (i.e. paid) across all transactions and mean gas used (i.e. paid) per transaction that day are also captured.

NVT RATIO

The ratio of the network value (or market capitalization) to the 90-day moving average of the adjusted transfer value.

NVT uses native units network value and adjusted transaction volume. It is therefore available at the asset's genesis, unlike if it was using USD values. It can be thought of as a rough P/E (price to earnings) ratio proxy for crypto assets.

ACTIVE ADDRESSES

Active addresses is the unique number of addresses that either send or receive a transaction, calculated daily.

This metric can serve as a rough proxy for daily active users. However, it's not exact— a single user can have many addresses, and a single addresses can be owned by many users.

FREE FLOAT SUPPLY

Coin Metrics' free float supply takes many of the best practices from traditional capital markets and applies them to cryptoassets to identify supply that is highly unlikely to be available to the market in the short to mid-term. In doing so, free float supply provides a better approximation of a cryptoasset's liquidity and market capitalization compared to standard supply measurements. [More information](#) on Coin Metrics Free Float Supply.

TRANSACTION COUNT

See prior explanation.

TRANSFER VALUE, ADJUSTED

See prior explanation.

ADDRESSES WITH \geq \$1

The count of addresses that hold at least \$1 worth of a cryptoasset. This gives a rough estimation of the amount of users that hold an asset, with the same caveats that apply for active addresses.

ADDRESSES WITH \geq \$1M

The count of addresses that hold at least \$1M worth of a cryptoasset. This gives a rough estimation of the amount of institutional investors that hold an asset, with the same caveats that apply for active addresses.

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