|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Features** | **Description** | **Value Type** | **Source** |
|  | date | Date | Datetime |  |
| **Bitcoin Trading Data** | | | |  |
|  | open | Bitcoin daily opening price (USD) | Float |  |
|  | high | Bitcoin daily highest price (USD) | Float |  |
|  | low | Bitcoin daily lowest price (USD) | Float |  |
|  | close | Bitcoin daily closing price (USD) | Float |  |
|  | volatility | Bitcoin Volatility Index | Float |  |
|  | volume | Amount of Bitcoin exchanged (USD) | Float |  |
|  | marketcap | Bitcoin total market value (USD) | Float |  |
| **Sentiment Data** | | | |  |
|  | google\_trends | ‘Bitcoin’ Google search interest measure | Float |  |
| **Commodity Prices** | | | |  |
|  | gold | Gold price (USD) | Float | <https://www.gold.org/goldhub/data/gold-prices> |
|  | silver | Silver price (USD) | Float |  |
|  | platinum | Platinum price (USD) | Float |  |
|  | palladium | Palladium price (USD) | Float |  |
|  | oil | Oil price (USD) | Float |  |
| **Major Currency Exchange Rates** | | | |  |
|  | usd\_eur | USD to EUR exchange rate | Float | 周末无数据 |
|  | usd\_jpy | USD to JPY exchange rate | Float |  |
|  | usd\_gbp | USD to GBP exchange rate | Float |  |
|  | usd\_cny | USD to CNY exchange rate | Float |  |
|  | usd\_chf | USD to CHF exchange rate | Float |  |
| **Major Stock Market Indexes** | | | |  |
|  | SP500 | U.S. stock market index | Float |  |
|  | Dow\_Jones | U.S. Industrial stock market index | Float |  |
|  | Nasdaq | U.S. stock market index | Float |  |
|  | Russell\_2000 | U.S. stock market index | Float |  |
|  | FTSE\_100 | London Stock Exchange index | Float |  |
|  | Nikkei | Tokyo Stock Exchange index | Float |  |
|  | SSE | Shanghai Stock Exchange index | Float |  |
|  | Eurostoxx | Eurozone Stock index | Float |  |
|  | VIX | Market Volatility index | Float |  |
|  | NVDA | Nvidia Corporation stock index | Float |  |
|  | GOOG | Alphabet Inc. (Google) stock index | Float |  |
| **Blockchain Technical Data** | | | |  |
|  | num\_of\_TXN | Total number of Bitcoin transactions | Int |  |
|  | TXN\_per\_block | Number of Bitcoin transactions per block | Int |  |
|  | est\_TXN\_vol | Total estimated volume of transactions on the Bitcoin blockchain (USD) | Float |  |
|  | cost\_per\_TXN | Cost per transaction = miners\_revenue / number of transactions (USD) | Float |  |
|  | total\_TXN\_fees | Total transaction fees miners earn (USD) | Float |  |
|  | usd\_trade\_vol | Trade volume from the top exchanges (USD) | Float |  |
|  | hash\_rate | Measure of a Bitcoin miner's performance | Float |  |
|  | avg\_block\_size | Bitcoin average block size (MB) | Float |  |
|  | difficulty | Measure of how difficult to find a new block | Float |  |
|  | num\_unique\_addr | Number of unique addresses used on the Bitcoin blockchain | Int |  |
|  | miners\_revenue | Total value of coinbase block rewards and transaction fees paid to miners | Float |  |
| **Bitcoin Price Technical Indicators** | | | |  |
|  | WilliamR14 | Williams' %R | Float |  |
|  | MACD | Moving Average Convergence/Divergence | Float |  |
|  | MACD\_signal | Moving Average Convergence/Divergence signal | Float |  |
|  | MACD\_hist | Moving Average Convergence/Divergence history | Float |  |
|  | EMA30 | Exponential Moving Average | Float |  |
| **Blockchain Technical Data** | | | | |
|  | BCHAIN-MWTRV | Bitcoin My Wallet Transaction Volume |  |  |
|  | BCHAIN-MWNTD | Bitcoin My Wallet Number of Transaction Per Day |  |  |
|  | BCHAIN-MWNUS | Bitcoin My Wallet Number of Users |  |  |
|  | BCHAIN-DIFF | Measure of how difficult to find a new block |  |  |
|  | BCHAIN-AVBLS | The average block size in MB |  |  |
|  | BCHAIN-CPTRA | Bitcoin Cost Per Transaction (USD) |  |  |
|  | BCHAIN-MIREV | Bitcoin Miners Revenue (USD) |  |  |
|  | BCHAIN-NTRAN | Total Number of Unique Bitcoin Transactions Per Day |  |  |
|  | BCHAIN-HRATE | Measure of a Bitcoin miner's performance |  |  |
|  | BCHAIN-CPT | Cost per transaction = miners revenue / number of transactions (USD) |  |  |
|  | BCHAIN-NTRBL | Number of Bitcoin transactions per block |  |  |