

## Dataset Metadata

### 1. General Information

- **Title:** Bitcoin OHLCV: Open, High, Low, and Close prices along with Volume of Bitcoin trades
- **Description:** OHLCV is an abbreviation for the five critical data points: Open, High, Low, Close, and Volume. It refers to the key points in analyzing an asset such as Bitcoin (BTC) in the market over a specified time. The dataset is important for not only traders and analysts but also for data scientists who work on BTC market prediction using artificial intelligence. The 'Open' and 'Close' prices represent the starting and ending price levels, while the 'High' and 'Low' are the highest and lowest prices during that period (a daily time frame (24h)). The 'Volume' is a measure of the total number of trades. This dataset provides five OHLCV data columns for BTC along with a column called "Next day close price" for regression problems and machine learning applications. The dataset includes daily information from 1/1/2012 to 8/6/2022.

### 2. Content

- **Number of Records:** 3871 records
- **Format:** CSV
- **Size:** 808 KB
- **Variables/Columns:**
  - Timestamp: The date of a recorded sample
  - Low: Low price of Bitcoin in the daily time frame (24h)
  - High: High price of Bitcoin in the daily time frame (24h)
  - Open: BTC's Open price (24h)
  - Close: BTC's Close price (24h)
  - Volume: Volume of BTC trades (24h)
  - Next day close price: The close price of the next coming day

### 3. Data Structure

- **Input Variables:**
  - *Timestamp, Low, High, Open, Close, Volume*
- **Target Variable:**
  - Output:
    - *Next day close price*

### 4. Data Quality

- **Data Cleaning Steps:**
  - 1-remove noise
  - 2-remove Timestamp

### 5. Contact Information

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