
crypto-candlesticks

Release 0.2.0

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DATA OUTPUT

1.1 Excel

Table 1.1: **BTC/USD - 1 minute**

Open	Close	High	Low	Volume	Ticker	YMD	Time
7203	7201	7203.7	7200.1	9.404174	BTC/USD	12/31/2019	16:00:00
7203	7223.6	7223.6	7201	7.9037398	BTC/USD	12/31/2019	16:01:00
7224.4	7225	7225.5	7224.4	0.47992977	BTC/USD	12/31/2019	16:02:00
7224.980953	7225.9	7225.9	7224.980953	0.92945729	BTC/USD	12/31/2019	16:03:00
7225.86202	7225.72953	7225.9	7225.72953	0.29132017	BTC/USD	12/31/2019	16:04:00
7225.7	7225.867273	7225.9	7225.297252	1.03197044	BTC/USD	12/31/2019	16:05:00
7225.9	7225.9	7225.9	7225.8	0.9328	BTC/USD	12/31/2019	16:06:00
7225.9	7225.521797	7225.9	7225.5	0.98563711	BTC/USD	12/31/2019	16:07:00
7225.521797	7221.112632	7225.521797	7221.112632	0.73935526	BTC/USD	12/31/2019	16:08:00
7221.112632	7223	7223	7221.112632	0.12223545	BTC/USD	12/31/2019	16:09:00

1.2 SQL

Table 1.2: BTC/USD - 1 minute in SQL (the timestamp is shown in milliseconds)

ID	Times-tamp	Open	Close	High	Low	Volume	Ticke	In-ter-val
1	1577868000	7205.7	7205.8	7205.8	7205.7	0.07137942	BT-CUSI	1m
2	1577867940	7205.701553	7205.8	7205.8	7205.701553	0.035	BT-CUSI	1m
3	1577867880	7205.7	7205.701553	7205.701553	7205.7	0.025	BT-CUSI	1m
4	1577867820	7205.7	7205.752997	7205.752997	7205.7	0.075	BT-CUSI	1m
5	1577867760	7205.752997	7205.752997	7205.752997	7205.752997	0.005	BT-CUSI	1m
6	1577867700	7205.752997	7205.2	7206.3	7205.2	4.5802	BT-CUSI	1m
7	1577867640	7205.2	7205.2	7205.2	7205.2	0.02180065	BT-CUSI	1m
8	1577867580	7205.192142	7205.192171	7205.192171	7205.192142	0.01602554	BT-CUSI	1m
9	1577867520	7205.127523	7205.181934	7205.181934	7205.127523	0.01346836	BT-CUSI	1m
10	1577867460	7205.1	7205.1	7205.1	7205.1	0.66592911	BT-CUSI	1m

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Version 3, 29 June 2007

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CRYPTO_CANDLESTICKS

3.1 `crypto_candlesticks` package

3.1.1 Subpackages

`crypto_candlesticks.exchanges` package

Submodules

`crypto_candlesticks.exchanges.bitfinex` module

`crypto_candlesticks.symbols` package

Submodules

`crypto_candlesticks.symbols.quote_currencies` module

`crypto_candlesticks.symbols.time_intervals` module

3.1.2 Submodules

3.1.3 `crypto_candlesticks.get_data` module

3.1.4 `crypto_candlesticks.main` module

3.1.5 `crypto_candlesticks.text_console` module

The goal behind this project is to facilitate downloading cryptocurrency candlestick data fast & simple. Currently only the [Bitfinex](#) exchange is supported with more to come in future releases.

The command-line interface is built using [Click](#) which is intuitive and will prompt you for the commands.

Once the data is downloaded, it will be converted and stored in a *.csv*, *.sqlite3* and *.pickle* file convenient for analysis. The data will include the *Open*, *High*, *Low*, *Close* of the candles and the *volume* during the *interval* and its *timestamp*.

See [documentation](#) and [Github](#) for more information.

INSTALLATION

To install the Crypto-candlesticks project, run this command in your terminal:

```
$ pip install crypto-candlesticks
```

Or if you are using [Poetry](#):

```
$ poetry add crypto-candlesticks
```


USAGE

crypto-candlesticks can be used the following way:

```
$ crypto-candlesticks
"Welcome, what data do you wish to download?"
```

Which will prompt you for the arguments:

```
Cryptocurrency symbol to download (ie. BTC, ETH, LTC):
Base pair:
Interval to download the candlestick data:
Date to start downloading the data (ie. YYYY-MM-DD):
Date up to the data will be downloaded (ie. YYYY-MM-DD):
```

Or you can pass the arguments yourself and skip the prompt:

```
crypto-candlesticks [OPTIONS]
```

-s <symbol>, **--symbol** <symbol>

The ticker you wish to download, currently, only data from the Bitfinex exchange is supported. (e.g. [BTC | ETH | LTC] etc.)

-b <base currency>, **--base_currency** <base currency>

The base pair for the ticker. (e.g. [USD | USDT | EUR | CNHT | GBP | JPY | DAI | BTC | EOS | ETH | XCHF | USTF0])

-i <interval>, **--interval** <interval>

The interval for each bar. (e.g. [1m | 5m | 15m | 30m | 1h | 3h | 6h | 12h | 1D | 7D | 14D | 1M])

-sd <start date>, **--start_date** <start date>

YYYY, MM, DD from which the candlestick data will start. (e.g. [2018-01-01])

-ed <end date>, **--end date** <end date>

YYYY, MM, DD up to which the candlestick data will be downloaded. (e.g. [2020-01-01])

--help

Display a short usage message and exit.

CONTRIBUTING

Feel free to open an [issue](#) or [pull request](#) on Github.

LICENSE

GPL-3.0-or-later

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ETH: 0x06Acb31587a96808158BdEd07e53668d8ce94cFE

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