bittrex: An R client for the Bittrex Crypto-Currency Exchange

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Summary

Package bittrex (Kane 2017) is a RESTful R (R Core Team 2017) client for the Bittrex crypto-currency exchange (“Bittrex Crypto-Currency Exchange” 2017). The package provides functions for all endpoints supported by the exchange including the ability to retrieve price, volume, and order book information as well as the ability to trade cryptocurrencies.

Calls to the exchange are categorized as either public, which includes requests for price, volume, and order book information, and private, which includes all requests requiring an account including placing buy or sell orders. Public calls can be used directly by installing the package. Private calls require that you create an account and create an API and secret key with appropriate permissions.

Private calls retrieve the API and secret key using the BITTREX_API_KEY and BITTREX_SECRET_KEY environment variables. These may be set by the user before opening the R session or, they can be set using the ‘bittrex_authenticate’ function.

While this package can be used to trade currencies, its primary goal is to allow finance and economics researchers to gather exchange data, including transaction prices, orderbooks, and volumes for individual crypto-currencies. A few research avenues currently being explored include: - Comparisons between semi-regulated markets (bittrex) to traditional, regulated markets. - Microfinancing for start-ups using initial coin offerings. - Quantifying the value of non-traditional products and services. - Systemic risk of multiple cryptocurrencies on the same block chain. - Crypto-coins as a proxy for sports betting where sports betting is illegal.

References

Package 'bittrex' is an R implementation of the REST interface used by the Bittrex crypto-currency exchange. It provides functions for endpoints supported by the exchange. This includes the ability to retrieve price, volume, and order book information as well as the ability to trade crypto-currencies. https://github.com/ropensci/bittrex. Tags. crypto-currency-exchanges finance.

XChange is a Java library providing a simple and consistent API for interacting with 60+ Bitcoin and other crypto currency exchanges providing a consistent interface for trading and accessing market data. bitcoin bitcoin-api bitcoin-library crypto-currency. crypto-whale-watching-app - Python Dash app that tracks whale activity in cryptocurrency markets. Python. Welcome! Bittrex exchange â€“ it is one the most popular cryptocurrency stock exchange. And after reading opinions on the forums, it seems that it is ideal. Without exaggeration, the reputation of this trading platform is impeccable. But, working with it has its own characteristics, which I will tell you in this article. Of course, one of the reasons for the loyalty of users is the level of reliability of the stock exchange. Its creators call themselves the fans of security and are very scrupulous in this matter. As a result â€“ there are no break-ins, hackers, thefts and other phenomena that devastate the wallets of traders. As for the commission, which the administration takes for its services, it is no more than on other exchanges 0.25% of the transaction amount. Open a Bittrex account by registering your name and email, and make sure you activate 2-factor authentication to further secure your account against hacks. The next thing to do is to verify your account by furnishing your personal information and your official identification documents. Verifying yourself allows you to increase your withdrawal limit from 0.4 BTC to 100 BTC saving you lots of headache for future withdrawals. You can follow the verification guide here. Step 3: Deposit Base Currency.

Units: The quantity/amount of coins that you want to sell, in exchange for the base currency of BTC. In this example, the amount of Aragon (ANT) that you would sell is 500 coins. Ask: The price that youâ€™re willing to sell per unit of Aragon, quoted in BTC. In ropensci/bittrex: Client for the Bittrex Exchange. Description Public Function Calls Private Function Calls References. Description. This software is in no way affiliated, endorsed, or approved by the Bittrex crypto-currency exchange or any of its affiliates. It comes with absolutely no warranty and should not be used in actual trading unless the user can read and understand the source and knows what they are doing. The bittrex package is an R implementation of the REST interface used by the Bittrex crypto-currency exchange (https://bittrex.com). It provides functions for all endpoints curr