

# Using the Dataset in the Frontend

As of version `1.2.0`, our [bandchain.js](#) ↗  
NodeJS now exposes a new method,  
`getReferenceData`. This function takes one  
argument, a list of token pairs to query the result  
of. It then returns a list of corresponding rate  
values.

## Example Usage

Install `@bandprotocol/bandchain.js`:

**NPM**

By using this website, you agree to our [Cookie Policy](#). ✕

```
npm install --save @bandprotocol/bandchain.js
```

## Yarn

```
yarn add @bandprotocol/bandchain.js
```

The code below then shows an example usage of the function


```
const { Client } = require('@bandprotocol/bandchain.js')

// BandChain REST Endpoint
const endpoint = 'https://api-gm-lb.bandchain.org'
const client = new Client(endpoint);

async function exampleGetReferenceData() {
  const rate = await client.getReferenceData(['BTC', 'ETH']);
  return rate;
}

(async () => {
  console.log(await exampleGetReferenceData());
})();
```

The corresponding result will then be similar to

By using this website, you agree to our [Cookie Policy](#). 



## DOCUMENTATION

◆ Introduction

◆ Whitepaper

### Technical Specifications

Oracle Binary Encoding  
(OBI)

Oracle WebAssembly  
(Owasm)

Remote Data Source  
Executor

BandChain CLI & REST  
Endpoint

## BAND STANDARD DATASET

◇ Introduction

◇ Supported Blockchains

◇ Supported Price Data

### Using the Data

```
[
  { pair: 'BTC/USD',
    rate: 19085.9400000000002,
    updatedAt: { base: 1607925656, quote: 160792576,
    requestID: { base: 262419, quote: 0 }
  },
  { pair: 'BTC/ETH',
    rate: 32.615658983296,
    updatedAt: { base: 1607925656, quote: 160792565,
    requestID: { base: 262419, quote: 262419 }
  },
  { pair: 'EUR/USD',
    rate: 1.213305,
    updatedAt: { base: 1607925232, quote: 160792576,
    requestID: { base: 262332, quote: 0 }
  },
  { pair: 'EUR/ETH',
    rate: 0.0020733975964887215,
    updatedAt: { base: 1607925232, quote: 160792565,
    requestID: { base: 262332, quote: 262419 }
  }
]
```

🔍 Search

## ON THIS PAGE

### Example Usage

For each pair, the following information will be returned:

- `pair` : The base/quote symbol pair string
- `rate` : The resulting rate of the given pair
- `updatedAt` : When the base/quote symbol

By using this website, you agree to our [Cookie Policy](#).



Using the Dataset

## Using the Dataset in the Frontend

Using the Reference Prices in Smart Contracts

- `requestID`: The ID of the data request on BandChain where the base/quote token price was updated



### Found an Issue?

Help us improve this page by suggesting edits on GitHub.

PREVIOUS

### Using the Dataset



This section will walk you through how you can query and use Band's standard dataset

NEXT

### Using the Reference Prices in Smart Contracts



By using this website, you agree to our [Cookie Policy](#).



M

