PredictCrypto

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This package is not ready yet and is here so I can use it for my own development

`PredictCrypto` is a website on which I offer free programming tutorials using cryptocurrency data that is never outdated by more than 1 hour: https://www.predictcrypto.com/tutorials

Installation

```
library(devtools)
install_github("ries9112/PredictCrypto")
```

Usage

Create a new dataset with cryptocurrency data

```
crypto_data <- get_crypto_data()
```

Calculate the % change over a certain number of hours

```
crypto_data <- calculate_perc_change(crypto_data, 24, 'hours')
```

Examples

Calculate the % change over a 7 day period

```
crypto_data <- calculate_perc_change(crypto_data, 7, 'days')
```

To-do

- Setup CI to refresh data `crypto_data` that comes with the package hourly

- Document functions

- Calculate target % change using BTC

- Create variable names based on hours chosen for % change calculation using tidyeval

- Create data by exchange made available through package

- Create plotting functions