Forex Data Retrieval&Visualization Tool

Motivation

This project is intended to be a web application for gathering and visualizing reliable current and historical foreign exchange rate data with a focus on ease of use.

Method

The application will utilize [exchangeratesapi.io](http://exchangeratesapi.io/), which is an open source API and free to use under a permissive MIT license. The data source for this API is [European Central Bank](https://www.ecb.europa.eu/stats/policy_and_exchange_rates/euro_reference_exchange_rates/html/index.en.html). Flask framework will be used to develop the web application.

Intended field of application

The application is intended for use by professionals and the general public alike. The differentiating factor in the application will be the ability to compare several currencies against a base currency with the choice of getting data for a specific period, specific day, or the latest rates. Depending on the scalability of the application and available development time, technical indicators such as moving averages and RSI may be implemented in the future.

# Available Currencies

BGN,NZD,ILS,RUB,CAD,USD,PHP,CHF,ZAR,AUD,JPY,TRY,HKD,MYR,THB,HRK,NOK,IDR,DKK,CZK,HUF, GBP,MXN,KRW,ISK,SGD,BRL,PLN,INR,RON,CNY,SEK