StockStrategy runs backtests on raw OHLC (Open, High, Low, Close) data to enable testing of entry and exit strategies in the stock market.

The intention is to eventually create a data request interface for requesting real-time data instead of the stored data files, then do the backtest and analysis in real-time. This can be run as microservices which then report the data out as a webpage or a message.

The python code has classes to separate the data handling from the analysis per the diagram below.

Stock Ticker

Data Files

* gets raw OHLC file data
* Instantiates StockData

with raw OHLC data

* Plots candlesticks and

indicators

StockStrategy.py

StockData.py

StockData:

- takes raw data and

does data cleanup

- calculates stock indicators

- instantiates backtest with

calculated data

- executes strategies

BackTest.py

BackTest:

- creates data points for

running backtests

- runs backtests

- reports results