

Project Concept Document

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Client	Spinlogics

Description

To develop an Algorithmic Trading script which uses data obtained from the web (currently using a library called Binance on Cryptocurrencies) and suggests whether or not and in what to invest / pull out of. We are to use classical measures like Exponentially Weighted Averages, Simply Weighted Averages, etc. over different timescales, and construct market indicators out of these combinations. Our end goal is to research and try out combination of these parameters in code and be able to make reasonably good predictions of the trend in the prices of any cryptocurrency.

Profile of Users

The script will be used by people who are working to invest or trade in Cryptocurrencies. This script is to act as a foray into the possibilities of such an algorithmic trading approach by the company Spinlogics, therefore we are not tasked with building a User Interface. Comparative study and Evaluation of different indicators, metrics and models by Spinlogics shall be the primary goal of the project.

Usage Model and Diagrams (if any)

The Script will be generating alerts for it's users on Telegram about any notable trend which it predicts by messaging them directly. Both the alert and preferably the reasoning behind the alert (Graphs / Indicators that led to the program flagging the time) will be shared with the user. The script must also log all its past predictions and their accuracy in an XML/csv format for further analysis by the user.