Client Sentiment

1. Connect to my broker’s API using the login details which I will send you.

Also create the login interface so that I may connect to other broker’s API using their API connection login details.

1. Once the API connection has been achieved, the aim is to collect all the client sentiment data sets. This is currently available for the 1 hour, 4 hours and daily timeframes. The client sentiment data should then be extracted to python or java (equivalent programmable language) for data manipulation and formatting.
2. Once the 1 hour timeframe’s client sentiment data has been extracted, we would use this data to interpolate the 30 mins, 15 mins, 10 mins, 5 mins and 1 min timeframes. ( I would like to test the accuracy of the interpolation at this stage). The Interpolation method should be robust and versatile for market volatility and volume. Piecewise linear interpolation and weighted piecewise linear interpolation.
3. Once we have all the timeframes of client sentiment data, in python or java we would like this data to be arranged in the format of Open, High, Low and Close.

Open = Open value for the particular timeframe interval

High = High value for the particular timeframe interval

Low = Low value for the particular timeframe interval

Close = Close value for the particular timeframe interval

1. This information is then exported to excel in the format attached.

The excel format should allow me to extract client sentiment data for any instrument and any timeframe from the broker’s platform.

1. The information in the excel format is then used to generate BUY and SELL signals which are automatically executed on the brokers platform using the API. (see format attached).
2. The trades should be executed with a drop-down menu which allows me to:

* Select the order type: BUY/SELL stop orders or BUY/SELL limit orders.
* Select the number of orders to be opened. example 10
* Select the Take profit level. TP uses a formula of TP=(b-a)\*TPF%+a.
* TPF is Take profit factor expressed as a percentage. Example Buy Trade is executed at price 34,000, market price moves up to 34,250, Take profit would be (34,250 – 34,000)\* .25 = 62.5, 34000 + 62.5 = 34,062.5 take profit level. This formula is similar for the short trade TP=(b-a)\*TPF%-a. The TPF should be a drop-down menu which allows me to set the % level.
* Select the distance between executed orders. Example. 1, 2, 10, 20 ,100 points etc.
* Select whether the lot size for the orders will increase incrementally by +1. Example 1,2,3,4,5,6,7 etc. Or increase incrementally by x 2. Example 1, 2, 4, 8,16 etc.
* Set a % of equity to be traded calculated as equity \* % value expressed in decimals.