



S-Trader





VWMA | Volume Weighted Moving Average

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Description

A Volume Weighted Moving Average (VWMA) uses period volumes to assign individual weights in a data series rather than automatically giving more weight to the more recent values as it is the case with the exponential moving average (EMA). Thus, prices corresponding to heavier volume periods will have a bigger weight in the average; and of course prices corresponding to lighter volume periods will have a lower weight.

Formula

$$VWMA_n = (\text{Value } 1 * \text{Volume } 1 + \text{Value } 2 * \text{Volume } 2 + \dots + \text{Value } n * \text{Volume } n) / (\text{Volume } 1 + \text{Volume } 2 + \dots + \text{Volume } n)$$

Parameters

| | |
|----------------|--|
| Source | Any price source (O, H, L, C, Vol, OI) or any other built-in or custom study |
| Periods | Any number of periods |

Output value(s)

There is a single output value resulting from the formula, the Volume Weighted Moving Average.

Plot

The plot is an overlay inside the price series panel.



Quant Script™ Syntax

| | |
|-------------------|--|
| Short Form | <i>VWMA</i> (Source, Periods) |
| Long Form | <i>VolumeWeightedMovingAverage</i> (Source, Periods) |

Dialogs

Chart Study Dialog

Volume Weighted MA [X]

Indicator Parameters

Symbol @ESH18

Source @ESH18.close

Period 8

Series Configuration

Main Line Dash 3

Save as Default Setting

Add Cancel

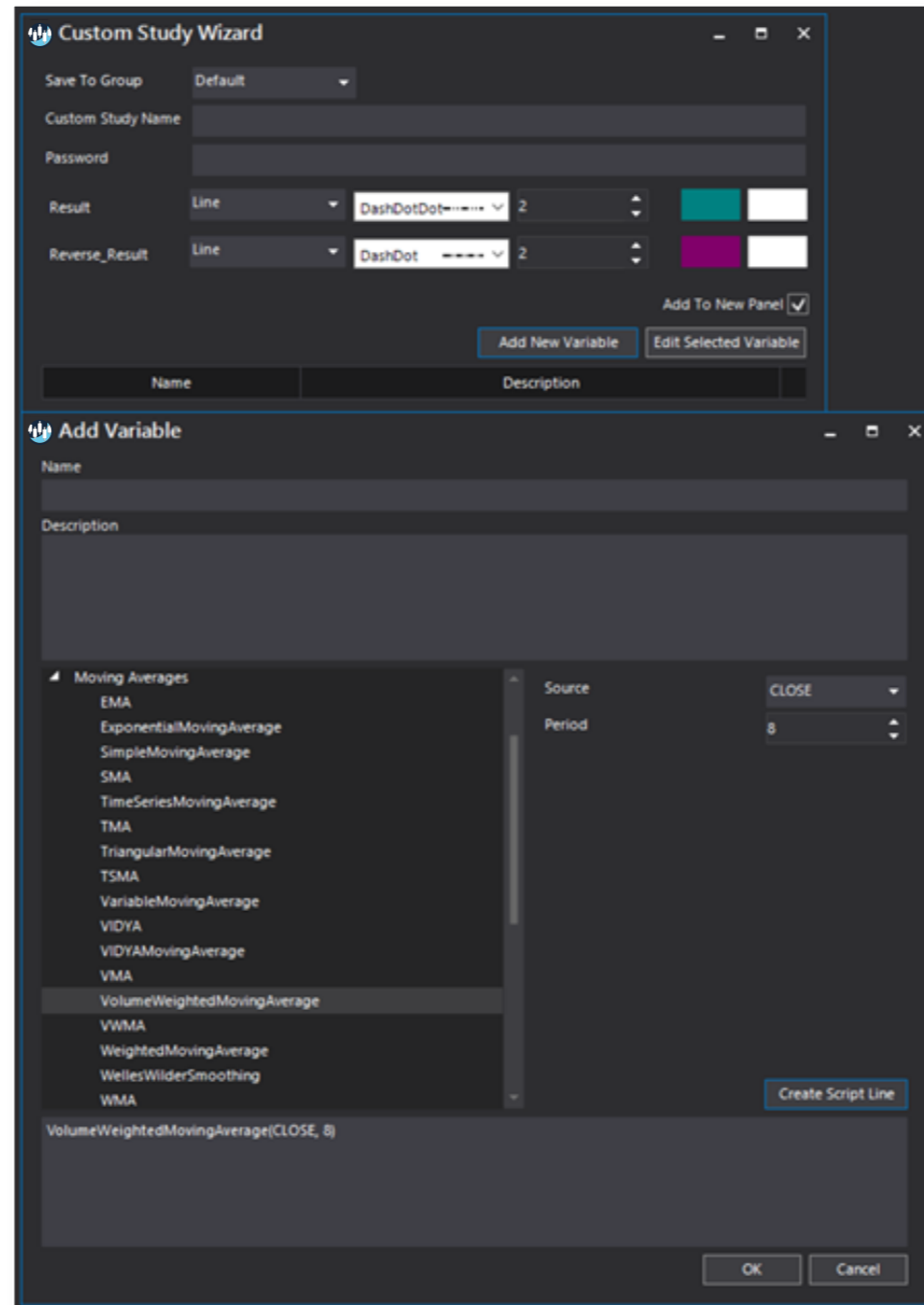


Sample Chart With Study





Quant Script™ Wizard Study Dialog





Quant Script™ Study Dialog

Custom Study Editor [Close]

Save To Group: 1_MOVING_AVERAGES [Dropdown] A 8.25 [Dropdown]

Custom Study Name: VWMA

Password: [Text Field]

Result: Line [Dropdown] DashDotDot [Dropdown] 2 [Dropdown] [Color Picker]

Reverse_Result: Line [Dropdown] DashDot [Dropdown] 2 [Dropdown] [Color Picker]

Formula Add To New Panel

```
SET RESULT = VWMA(CLOSE,8)
SET REVERSE_RESULT = VolumeWeightedMovingAverage(CLOSE,8)
```

[OK] [Cancel]