



S-Trader





WMA | Weighted Moving Average

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Description

The Weighted Moving Average (WMA) is calculated by multiplying each value in a series by its position divided to the sum of positions and then adding all values up. By giving more weight to the more recent values, it is similar to the exponential moving average (EMA).

Formula

$$WMA_n = (Value_1 * 1 + Value_2 * 2 + \dots + Value_n * n) / (1 + 2 + \dots + n)$$

where as $Value_n$ is the most recent value and $Value_1$ is the least recent value in an n periods lookback timeframe.

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 Weighted Moving Average.

Plot

The plot is an overlay inside the price series panel.

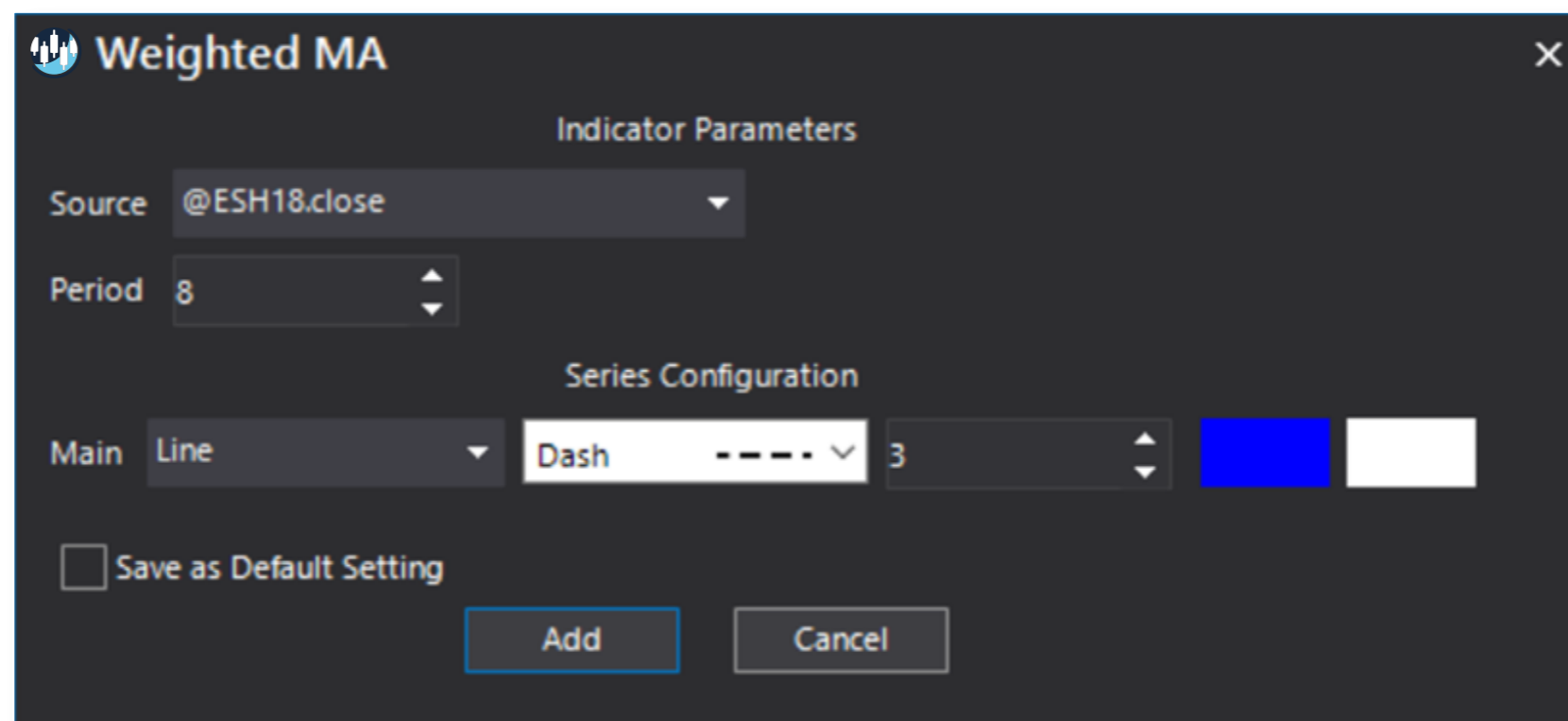


Quant Script™ Syntax

Short Form	<i>WMA</i> (Source, Periods)
Long Form	<i>WeightedMovingAverage</i> (Source, Periods)

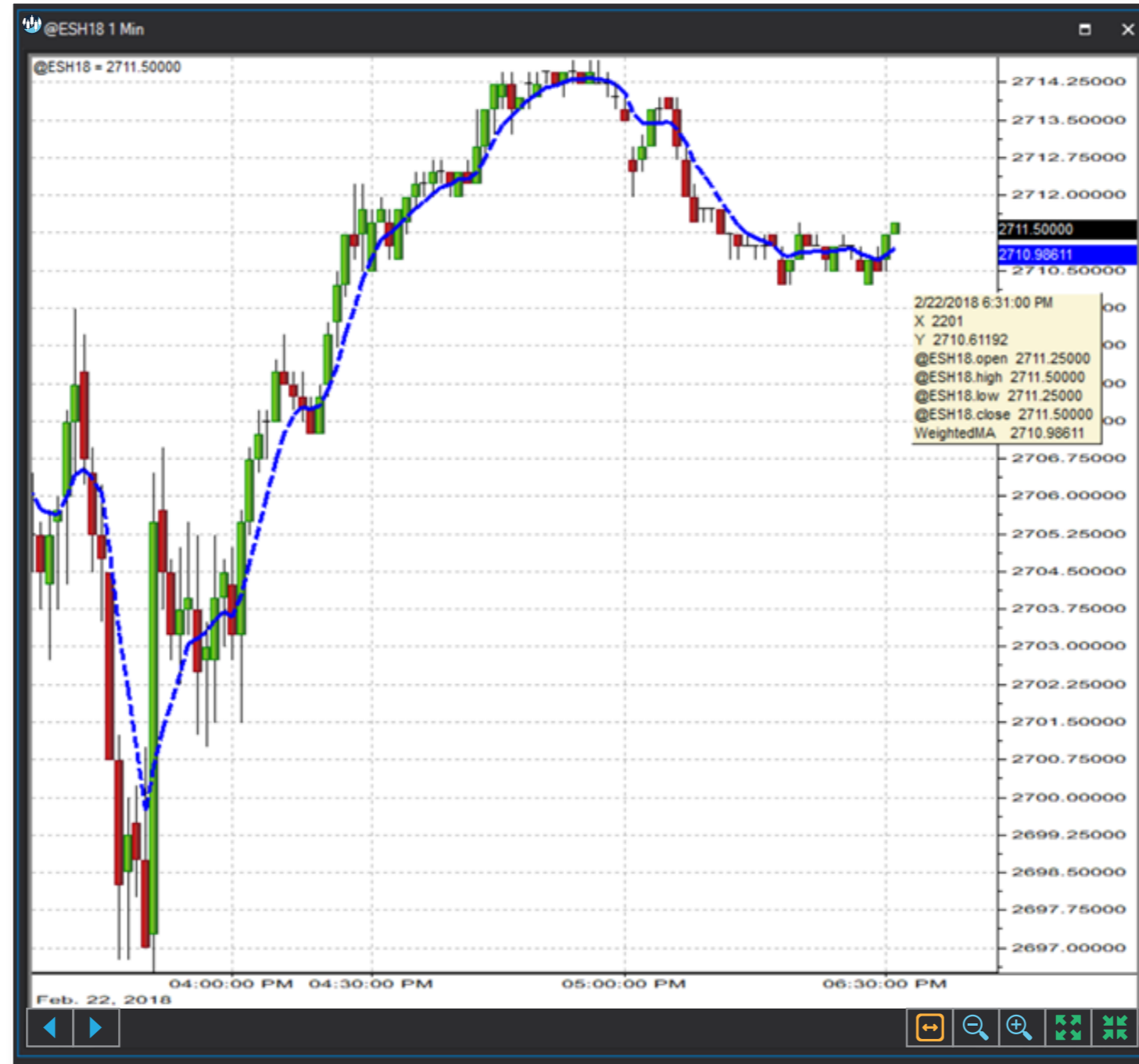
Dialogs

Chart Study Dialog



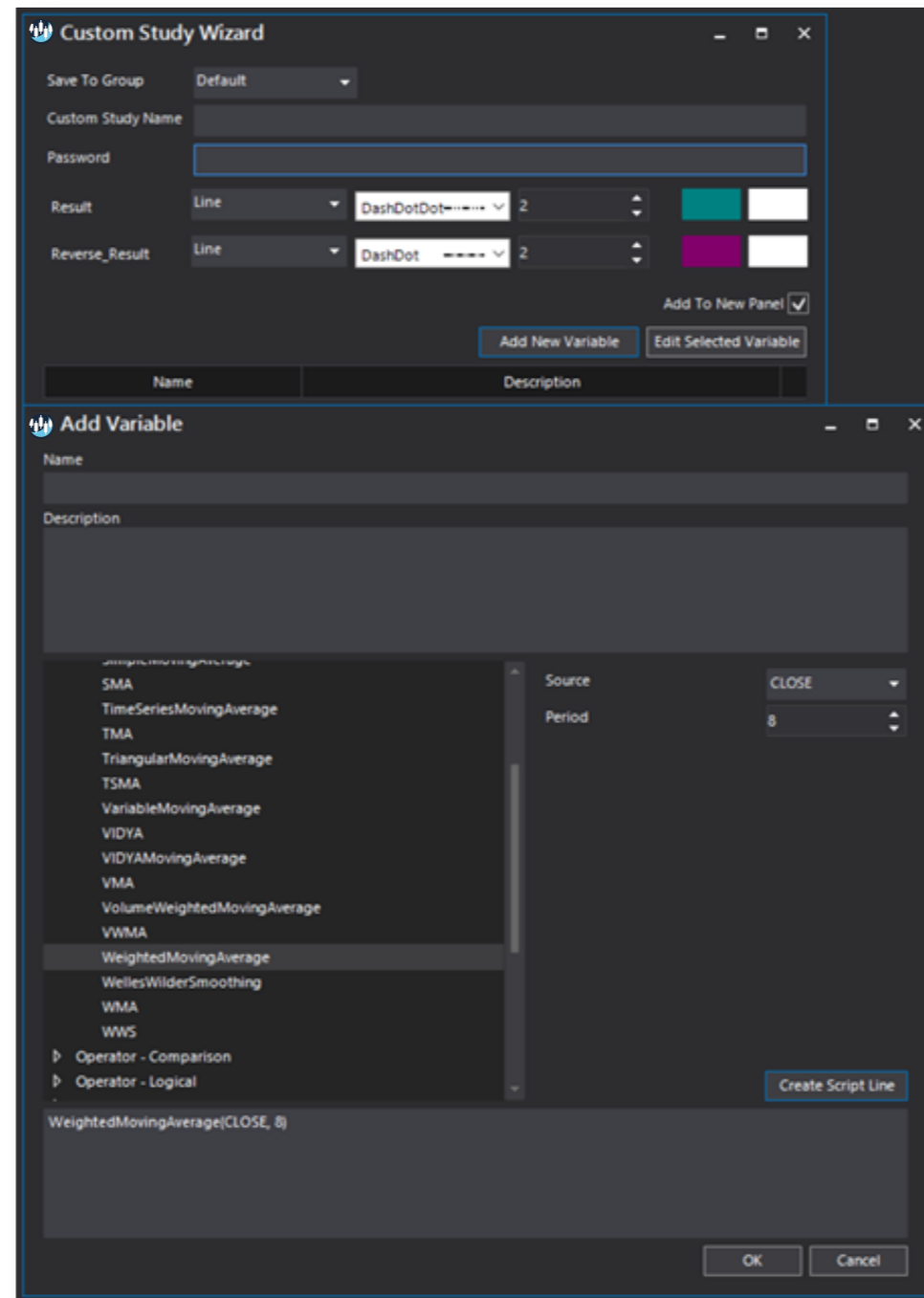


Sample Chart With Study





Quant Script™ Wizard Study Dialog





Quant Script™ Study Dialog

Custom Study Editor

Save To Group: 1_MOVING_AVERAGES

Custom Study Name: WMA

Password:

Result: Line, DashDotDot, 2

Reverse_Result: Line, DashDot, 2

Formula: SET RESULT = WMA(CLOSE,8)
SET REVERSE_RESULT = WeightedMovingAverage(CLOSE,8)

Buttons: OK, Cancel