



S-Trader





AVG | Average

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Description

This is a simple average calculation of the n values of the source. A Simple Moving Average (SMA) is a type of moving average whereas same weight is given to all data in the series regardless it was received at the beginning, in the middle or at the end of the series. Consequently, this type of moving average reacts slower to recent price changes than an exponential moving average.

Formula

$$AVG_n = SMA_n = (Value_1 + Value_2 + \dots + Value_n) / n$$

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 one output value resulting from the formula, the Average.

Plot

The plot is an overlay inside the price series panel.

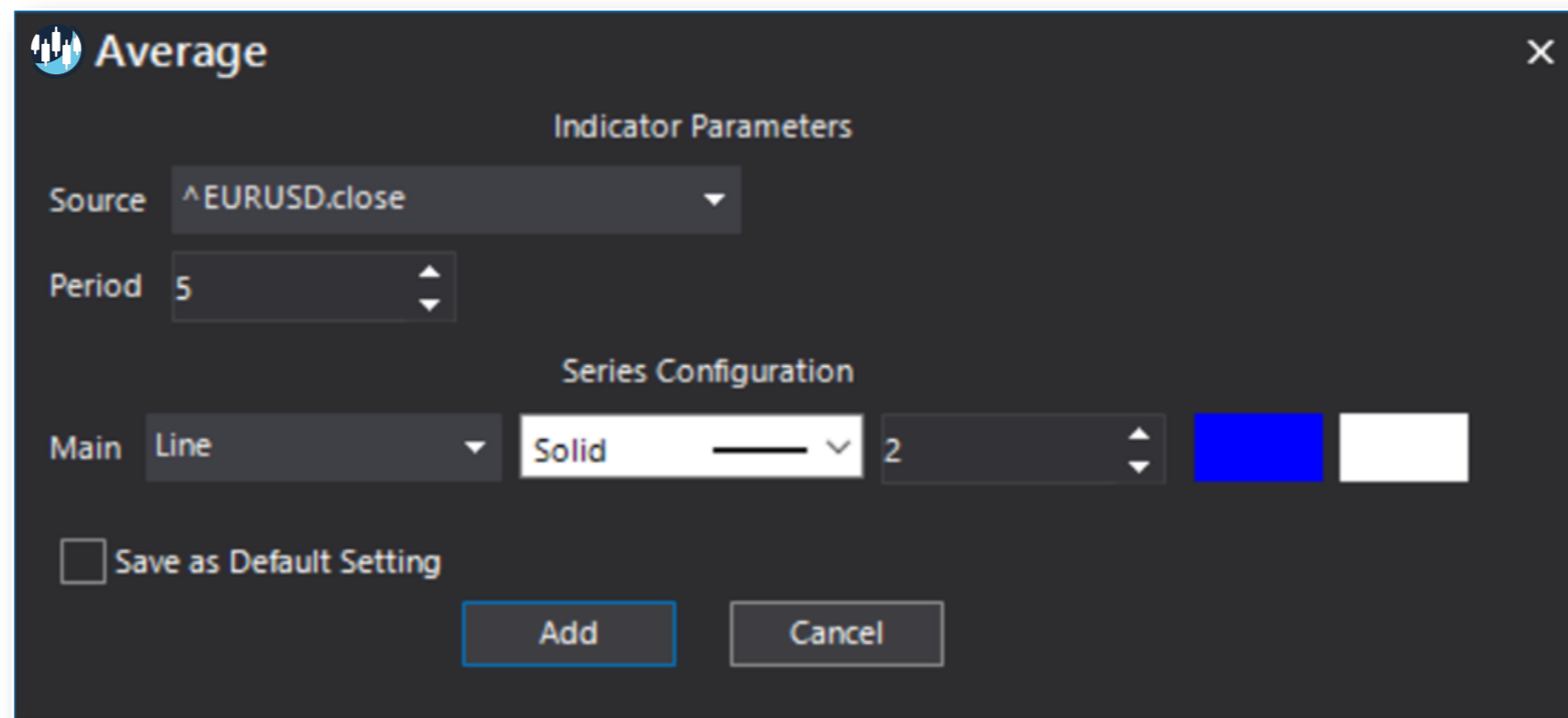


Quant Script™ Syntax

Short Form	<i>AVG</i> (Source, Periods)
Long Form	<i>Average</i> (Source, Periods)

Dialogs

Chart Study Dialog





Sample Chart With Study





Quant Script™ Wizard Study Dialog

The image shows two overlapping dialog boxes in the S-Trader desktop platform. The background dialog is the 'Custom Study Wizard' and the foreground dialog is the 'Add Variable' dialog.

Custom Study Wizard:

- Save To Group: Default
- Custom Study Name: [Empty text field]
- Password: [Empty text field]
- Result: Line, Solid, 2, [Color swatches]
- Reverse_Result: Line, Solid, 2, [Color swatches]
- Buttons: Add To New Panel (checked), Add New Variable, Edit Selected Variable
- Table with columns: Name, Description
- Buttons: OK, Cancel

Add Variable:

- Name: [Empty text field]
- Description: [Empty text field]
- Source: CLOSE
- Period: 5
- Tree view of categories: Envelopes, General Indicator Functions, Math Function - Algebraic, Math Function - Trigonometric, Moving Averages, Operator - Comparison, Operator - Logical, Operator - Mathematical, Oscillators - Money Flow, Oscillators - Price, Primitive - Extremes, Primitive - Logical Operators, Primitive - Summation, Primitive - Trend, Relative Strength, Statistics
- Selected item: Average
- Sub-selected item: AVG
- Script line: Average(CLOSE, 5)
- Buttons: Create Script Line, OK, Cancel



Quant Script™ Study Dialog

Custom Study Editor [Close]

Save To Group: 7_STATISTICS [Dropdown] A 14.25 [Dropdown]

Custom Study Name: AVG [Text]

Password: [Text]

Result: Line [Dropdown] Solid [Dropdown] 2 [Spinner] [Color Picker]

Reverse_Result: Line [Dropdown] Solid [Dropdown] 2 [Spinner] [Color Picker]

Formula [Add To New Panel

```
SET RESULT = AVG(CLOSE, 5)
SET REVERSE_RESULT = Average(CLOSE, 5)
```

[OK] [Cancel]