



Relative Volatility Index
everget 100000 His 1, 2018



Oscillators Volatility Standard Deviation RVI Relative Volatility Index (RVI) dorsey Standard Deviation (Volatility) stdevdev
deviation overbought oversold

His 1, 2018 ● Corrected Relative Volatility Index . This indicator was originally developed by Donald Dorsey (Stocks & Commodities V.11:6 (253-256): The Relative Volatility Index).

The Indicator was revised by Dorsey in 1995 (Stocks & Commodities V.13:09 (388-391): Refining the Relative Volatility Index).

I suggest the refined RVI with optional settings. If you disabled Wilder's Smoothing and Refined RVI you will get the original version of RVI (1993, as built-in).

Also, you can choose an algorithm for calculating Standard Deviation.

Eki 19, 2018 ● Sürüm Notları: Refactored

Oca 31, 2019 ● Sürüm Notları:
• Refactored

Freelance -> Telegram: @alex_everget

A list of Free Indicators:
<https://bit.ly/257EPuN>

A list of Paid Indicators:
<https://bit.ly/33MA81f>

Earn \$30:
https://www.tradingview.com/gopro/?share_your_love=everget

[Website](#)

Açık kaynak kodlu komut dosyası 🔗

Gerçek TradingView ruhuyla, bu betiğin yazarı, yatırımcının anlayabilmesi ve doğrulayabilmesi için onu açık kaynak olarak yayınladı. Yazarın eline sağ! Bunu ücretsiz olarak kullanabilirsiniz, ancak bu kodun bir yayında yeniden kullanımı [Kullanım Koşulları](#) ile yönetilir. Bir grafikte kullanmak için favorilere ekleyebilirsiniz.

Feragatname

Bilgiler ve yayınlar, TradingView tarafından sağlanan veya onaylanan finansal, yatırım, işlem veya diğer türden tavsiye veya tavsiyeler anlamına gelmez ve teşkil etmez. [Kullanım Şartları](#)nda daha fazlasını okuyun.

Bu komut dosyasını bir grafikte kullanmak ister misiniz? 🔗

[★ Favori göstergelere ekle](#)

```
1 //@version=3
2 // Copyright (c) 2018-present, Alex Orekhov (everget)
3 // Relative Volatility Index script may be freely distributed under the MIT license.
4 study("Relative Volatility Index", shorttitle="RVI")
5
6 stdevLength = input(title="Standard Deviation Length", type=integer, minval=1, defval=10)
7 stdevType = input(title="Standard Deviation Type", defval="Population", options=["Population", "Sample"])
8 smoothLength = input(title="Smoothing Length", type=integer, minval=1, defval=14)
9 obLevel = input(title="Overbought Level", type=integer, defval=80)
10 osLevel = input(title="Oversold Level", type=integer, defval=20)
11 useRefined = input(title="Use Refined Version of RVI ?", type=bool, defval=true)
12 highlightBreakouts = input(title="Highlight Overbought/Oversold Breakouts ?", type=bool, defval=true)
13 src = input(title="Source", type=source, defval=close)
14
15 sampleStdev(src, length) =>
16   dev = src - sma(src, length)
17   variance = sum(pow(dev, 2), length) / (length - 1)
18   sqrt(variance)
19
20 selectedStdev = stdevType == "Population"
21   ? stdev(src, stdevLength)
22   : sampleStdev(src, stdevLength)
23
24 // Original version (1993)
25 rviOriginal(src) =>
26   upSum = ema(change(src) >= 0 ? selectedStdev : 0, smoothLength)
27   downSum = ema(change(src) <= 0 ? -selectedStdev : 0, smoothLength)
28   100 * upSum / (upSum + downSum)
29
30 // Refined version (1995)
31 rvi = useRefined
32   ? avg(rviOriginal(high), rviOriginal(low))
33   : rviOriginal(src)
34
35 rviColor = rvi > obLevel ? #00bb23 : rvi < osLevel ? #ff0000 : #4b77d
36 plot(rvi, title="RVI", linewidth=2, color=rviColor, transp=0)
```

```
37 transparent = color(white, 100)
38
39
40 maxLevelPlot = hline(100, title="Max Level", linestyle=dotted, color=transparent)
41 obLevelPlot = hline(obLevel, title="Overbought Level", linestyle=dotted)
42 hline(50, title="Middle Level", linestyle=dotted)
43 osLevelPlot = hline(osLevel, title="Oversold Level", linestyle=dotted)
44 minLevelPlot = hline(0, title="Min Level", linestyle=dotted, color=transparent)
45
46 fill(obLevelPlot, osLevelPlot, color=purple, transp=95)
47
48 obFillColor = rvi > obLevel and highlightBreakouts ? green : transparent
49 osFillColor = rvi < osLevel and highlightBreakouts ? red : transparent
50
51 fill(maxLevelPlot, obLevelPlot, color=obFillColor, transp=90)
52 fill(minLevelPlot, osLevelPlot, color=osFillColor, transp=90)
53
```

Yorumlar



Yararlı veya teşvik edici bir yorum bırakın. Piyasalara birlikte hakim olalım

Alışlarla yorum

Yorum Paylaş



Noldo · Mar 26, 2020 · 1

That's nice script . Thanks for your effort!

2 · Cevap Gönder



everget **WIZARD** · Mar 27, 2020 · 1

@Noldo, no problem!

1 · Cevap Gönder



cyberk **PREMIUM** · Mar 28 · 1

@everget · do you have any other RVI or similar indicator to decide entries for commodities, futures?

1 · Cevap Gönder



cyberk **PREMIUM** · Mar 28 · 1

Great indicator have been using for 2 days and it helps me to decide to go Long or not.

1 · Cevap Gönder



beenyumirza **PRO** · Şub 17 · 1

Hi,

How does this indicator work. Can I just get a brief outline of the functionality. Thank you.

1 · Cevap Gönder



AionVesting **PRO** · Şub 2, 2020 · 1

Is there any combination to get it matching the same RVI as Tradingview?

1 · Cevap Gönder



everget **WIZARD** · Şub 2, 2020 · 1

@AionVesting, what?

1 · Cevap Gönder