



Trend Follower

LonesomeTheBlue 10,000 Mar 21, 2020



Trend Analysis Moving Averages Volatility trendfollowing trendfollower Divergence lonesomethelblue

21 2115

Mar 21, 2020 Hello Traders!

While analysing the charts, one of the biggest problem is to see if there is trend or not, or is it in a congestion zone/area? While thinking about it, I found the idea to analyse moving averages in channel and their momentum according to channel width.

How it calculates and works?

On each bar it creates a channel by highest/lowest point of a MA. highest point is upper point and lowest point is lower point of the MA channel.

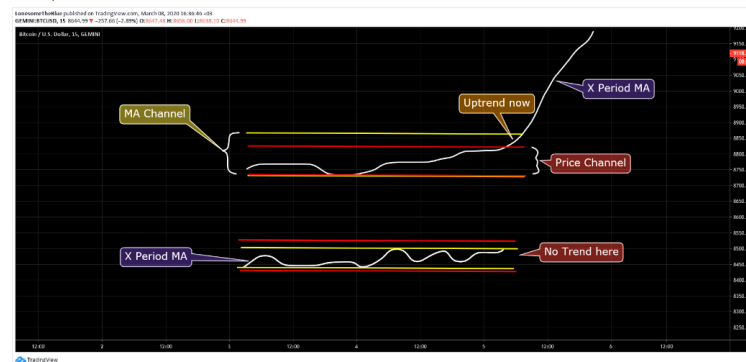
It gets highest and lowest point of last 300 bars, (say [Price Channel](#))

If the width of MA channel is greater than certain rate of [price channel](#) then it decides there is trend

After it decided there is trend, it calculates the rate between channel and MA. Bigger result means stronger trend.

According to rate of MA channel and the [price channel](#) , bar color becomes lighter/darker, so when you look at the bar color you can see the trend strength.

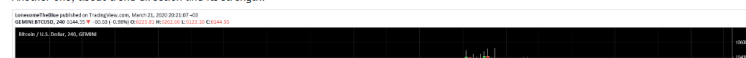
Short explanation on the chart:



Also by changing channel or size other options (such MA length etc) you can see congestion zones/areas:



Another one, about trend direction and its strength:





Options:

You can choose following MA types as source: **EMA** , **SMA** , **RMA** , **WMA** , **VWMA**

"Period to Check Trend" is the period to create MA channel. Bigger period cause more sensitivity.

MA Period is the Length of the MA that will be checked

"Trend Channel Rate %" is rate of price channel . Price channel created by using highest/ lowest of last 300 bars. I did this to make the script works on all time frames correctly.

"Use Linear Regression" is used to get rid of noise. it may cause 1-2 bars latency. (I use it)

The idea was created by LonesomeTheBlue.

Enjoy!

Mar 31, 2020

Sürüm Notları: Added Alerts for:

- Trend is UP
- Trend is DOWN
- No Trend

Em 2, 2021

Sürüm Notları: warning fixed.

Website

Açık kaynak kodlu komut dosyası

Gerçek TradingView ruhuyla, bu betiğin yazarı, yatırımcının anlayabilmesi ve doğrulayabilmesi için onu açık kaynak olarak yayınladı. Yazarın eline sağlığı! 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 // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/MPL/2.0/
2 // © LonesomeTheBlue
3
4 //@version=4
5 study("Trend Follower", precision=0)
6 matype= input("EMA", title = "MA Type", options = {'EMA', 'SMA', 'RMA', 'WMA', 'VWMA'})
7 prd = input(20, title = "Period to Check Trend", minval = 5)
8 maprd = input(20, title = "MA Period", minval = 2)
9 rateinp = input(1, title = "Trend Channel Rate %", minval = 0.1, step = 0.1)
10 ulinreg = input(true, title = "Use Linear Regression")
11 linprd = input(5, title = "Linear Regression Period", minval = 2)
12
13 rate = rateinp / 100
14 pricerange = highest(200) - lowest(200)
15 chan = pricerange * rate
16
17 gettrend(len)=>
18 masrc = matype == 'EMA' ? ema(close, len) : matype == 'RMA' ? rma(close, len) : matype == 'WMA' ? wma(close, len) : matype == 'VWMA' ? vma(close, len) : sma(close, len)
19 ma = ulinreg ? linreg(masrc, linprd, 0) : masrc
20
21 hh = highest(ma, prd)
22 ll = lowest(ma, prd)
23 diff = abs(hh - ll)
24
25 trend = iff(diff > chan, iff(ma > ll + chan, 1, iff(ma < hh - chan, -1, 0)), 0)
26 _ret = trend * diff / chan
27 _ret
28
29 trend = gettrend(maprd)
30
31 trandchanged = trend - nz(trend[1])
32 tc1 = trend > 0 ? trandchanged : 0 ? #00FF00FF : trandchanged <= 0 ? #00FF00FF : #00FF00FF
33 trend < 0 ? trandchanged < 0 ? #FF0000FF : trandchanged >= 0 ? #FF0000FF : #FF0000FF : na
34
35 plot(trend, color = tc1, style = plot.style_columns)
36
37 alertcondition(trend > 0, title = 'Trend is UP', message = 'Trend is UP')
38 alertcondition(trend < 0, title = 'Trend is DOWN', message = 'Trend is DOWN')
39 alertcondition(trend == 0, title = 'NO TREND', message = 'NO TREND')
40
41
```

Yorumlar



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

Alkışlarla yorum

Yorum Paylaş



RobotElvis

PREMIUM

Mar 29, 2020

👤

Great! thank you

👍 Cevap Gönder



q328314167


Mar 26, 2020

👤



nice work


👍 Cevap Gönder

wagla_21 · Nis 15, 2020 ·  

Thanks for this Great work!
Can you add divergence line with respect to price in Indicator.
I.e if price go higher high n indicator make lower low?
+1  [Cevap Gönder](#)




LonesomeTheBlue **WIZARD** · Nis 15, 2020 ·  

@wagla_21, if I have time this month I can do this.
 [Cevap Gönder](#)





wagla_21 · Nis 15, 2020 ·  

@LonesomeTheBlue, Thank you for consideration!
 [Cevap Gönder](#)



skook7 · Mar 22, 2020 ·  

thank you
+1  [Cevap Gönder](#)



LonesomeTheBlue **WIZARD** · Mar 22, 2020 ·  


@skook7, you are welcome
 [Cevap Gönder](#)

ahmetk072 · Mar 21, 2020 ·  


thank you
+1  [Cevap Gönder](#)




LonesomeTheBlue **WIZARD** · Mar 22, 2020 ·  

@ahmetk072, you are welcome
 [Cevap Gönder](#)

JoshuaMcGowan **PREMIUM** · Mar 21, 2020 ·  

as always. great work sir
+1  [Cevap Gönder](#)





LonesomeTheBlue **WIZARD** · Mar 22, 2020 ·  

@JoshuaMcGowan, thank you!
 [Cevap Gönder](#)


syrinxflunki **PREMIUM** · Mar 21, 2020 ·  

Lush
+1  [Cevap Gönder](#)





LonesomeTheBlue **WIZARD** · Mar 22, 2020 ·  

@syrinxflunki, thanks a lot
 [Cevap Gönder](#)


TheMonkTrader **PRO+** · Eki 2, 2021 ·  



Truly genius!
 [Cevap Gönder](#)


TheMonkTrader **PRO+** · Eki 1, 2021 ·  

Awesomel
 [Cevap Gönder](#)

GeorgePeng **PRO+** · Haz 16, 2020 ·  



It look like sqz momentum,how is that different
 [Cevap Gönder](#)


reneeresh1 · Nis 28, 2020 ·  

Thank you lord of code for this amazing work, please can you bring us a script more like Martin trend meter. We are grateful and thankful Sir.
 [Cevap Gönder](#)



vganda **PRO** · Nis 23, 2020 ·  


i would like to plot macd on top of this chart how can i do that.
 [Cevap Gönder](#)

UnknownUnicorn7226877 · Nis 1, 2020 ·  



What temporality is better to use?
 [Cevap Gönder](#)




LonesomeTheBlue **WIZARD** · Nis 10, 2020 ·  

@JOSEPHggestion11, it works on all time frames, generally I think 15 min or higher time frames may be better
 [Cevap Gönder](#)



genesis42 · Nis 30, 2020 ·  

@LonesomeTheBlue, super stuff. Your contributions to TV are immense.
+2  [Cevap Gönder](#)