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Uptrend scan

1

Hello all,

I am trying to write a scan for identifying an uptrend in stocks. To do this I would like to scan for stocks which have had their 20 EMA of the close above their 50 EMA of the close (or some other EMA or SMA) for the last 50 days (or some other period of time). Is there anyone who can help me write the conditions for this? Mainly this would mean finding code for something happening during a period of time (last 4 weeks for example).

Help would be greatly appreciated!

Akroma

ema   uptrend

asked **Jun 05 '13 at 11:53**

Akroma
43 ● **7**

3 Answers:

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3

I found that scanning for stock that have a RSI above 50 for a period of time will find an Uptrend.

//Uptrend scan

[type = stock] and [country = us] and [daily sma(20,daily volume) > 300000] and [daily sma(60,daily close) > 5] and [Min(75,RSI(14)) >= 50.0]

I also built one with the standard scan engine looking for stocks with stacked MAs today, then 10 days ago, then 20 days ago etc. Take a while to build but it seems to work.

link

answered **Jun 05 '13 at 14:59**

BobV
1.2k ● **7** ● **20**

Yeah I tend to go for the stacked MA's which indeedtakes a lot of time. Was hoping someone found an easier way ^^. The RSI thing does not seem to give the results I would like, although I have only tried it once so I may have to give it a bit more of a shot.

Akroma (Jul 03 '13 at 13:20)

2

Hi Akroma,

Try this:

[group is sp500]

and [min(50,PPO Line(20,50,9)) > 0.0]

PPO is like MACD - it compares the position of one ema vs. another - if the "Line" value is positive, the shorter ema is above the longer. So if the minimum value of Line for 50 days is greater than zero, then the 20 ema has been above the 50 for that long.

If you have some tolerance for dips below the longer ema (20 below 50 for a few bars), you could test "Signal" instead of line, which is the (e?)ma of "Line", and so a little smoother - it will stay often stay above zero when "Line" dips below it briefly.

and [min(50,PPO Signal(20,50,9)) > 0.0]

P.S. Pretty sure I learned this trick from Gord or ekwong.

link   edited **Jul 04 '13 at 08:47**   answered **Jul 04 '13 at 08:44**

markd

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13.9k

● **14** ● **22**

thanks Mark, I just drafted almost the exact same post and scan. Yes the PPO along with the Min/Max over time criteria is one of my favorite and most useful scan functions.

Gord (Jul 04 '13 at 08:57)

Hm I dont know anything about the PPO. However, if I understand this indicator correctly from your explanation, this is exactly what I was looking for :) Thanks a lot!

I'll let you know if it is working for me.

Regards,

Akroma

Akroma (Jul 04 '13 at 09:07)

After reading a bit about PPO I just thought of something. Wouldnt this be the same if I used min[(50,MACD histogram(20,50,9)) > 0] ?

Akroma (Jul 04 '13 at 09:17)

Yep it will give you the same results. The PPO is just a percentage version of the MACD (which is the raw number difference). The PPO does have advantages in cases where you are scanning for stocks that could have wide differences in price, ie a $1 EMA difference on a $10 stock is significant, but a $1 EMA difference on Google ($800) is peanuts, so better to use the percentage version.

Gord (Jul 04 '13 at 09:26)

0 You might try: [type = stock] AND [country = US] AND [Daily EMA(20,Daily Volume) > 40000] AND [Daily EMA(20,Daily Close) > Daily EMA(50,Daily Close)] AND [Yesterday's Daily EMA(20,Daily Close) <= Yesterday's Daily EMA(50,Daily Close)]

Hope this helps.

link

answered **Jul 04 '13 at 13:25**

8Asteroid8

339 ● **1** ● **14**

Well thats basically what I have been doing so far. Only I used more than just today and yesterday (up to 50 days ago). But the answer with the PPO is really what I was looking for. It gives me the option to scan for stocks which have had their 20 day MA above their 50 day MA during the ENTIRE period, which is very useful.

Akroma (Jul 04 '13 at 13:50)

Your answer

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