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I modified the dashboard to show all 3 KPIs at the same time, but I am going to focus on the RSI.

The RSI is a KPI that helps you determine if a stock is oversold or overbought. This is done by first calculating the Average Gain (the total value gain in “up” days divided by the number of “up” days ) and the Average Loss (the total value lost in “down” days divided by the number of “down” days), and finally calculating the RSI with the following formulas:

If the RSI is over a certain value (usually 70), it means the stock is overbought (ie too many people are buying it), while if it’s under a certain value (usually 20), it means the stock is oversold (too many people are selling it).

Let’s apply the KPIs to ^RUT (Russell 2000) and ^GSPC (S&P 500) stocks:

* ^RUT: all the KPIs are good. I would conclude it’s a “buy”
* ^GSPC: both MACD and SMA are good, but the RSI indicates it’s overbought. We can observe that the MACD and SMA has been good since July 12, but the RSI has not been good since July 16. This indicates that it’s been a buy for 13 days, and people have been overbuying it for 9 days now. I would conclude it’s a “sell”.

