Hi Sunny –

The new chart is fantastic! Thank you so much for working through the complications to create it. It’s exactly what I was hoping for.

There are two relatively small modifications I’m hoping to have implemented…

1 – Can the red/green colors be reversed for the standard deviation chart? Meaning, on the standard deviation chart… a lower number is actually better than a higher number, therefore, it would be more appropriate to have a multiplier below 1 (e.g., 0.8x) be green and multiplier number above 1 to be in red (e.g., 1.7x). The multiplier number for PnL should still follow the current configuration… where a PnL multiplier greater than 1 will be green and less than 1 should be red (as they currently are now).

2 – Can we add a third set of data to this chart? Aside from PnL and Standard Deviation, can we also add “Sharpe Ratio”? I have extended the current database table to include 10 more columns of data to accommodate Sharpe Ratio. The columns are as follows:

‘spy\_sharpe’, ‘quadrant1\_sharpe1’, ‘quadrant2\_sharpe’, ‘quadrant3\_sharpe’, ‘quadrant4\_sharpe’

AND

‘spy\_sharpe\_multi’, ‘quadrant1\_sharpe\_multi’, ‘quadrant2\_sharpe\_multi’, ‘quadrant3\_sharpe\_multi’, ‘quadrant4\_sharpe\_multi’

Chart #5

I have created a Jupyter notebook to demonstrate the next chart I am hoping to create. This one will be a bell curve chart comparing the expected distribution of returns for each quadrant (along with the S&P500 and Black-Sholes model).

Amcharts has at least one example of a bell curve chart:

<https://www.amcharts.com/?s=Bell+curve>

<https://www.amcharts.com/demos/bell-curve-series/>

I’m not sure what the best approach will be - but because the data for the chart is already processed and saved in the database table… it may be easiest to just plot a line graph as opposed to using amcharts’ built-in bell curve plot. But I’m not 100% sure.