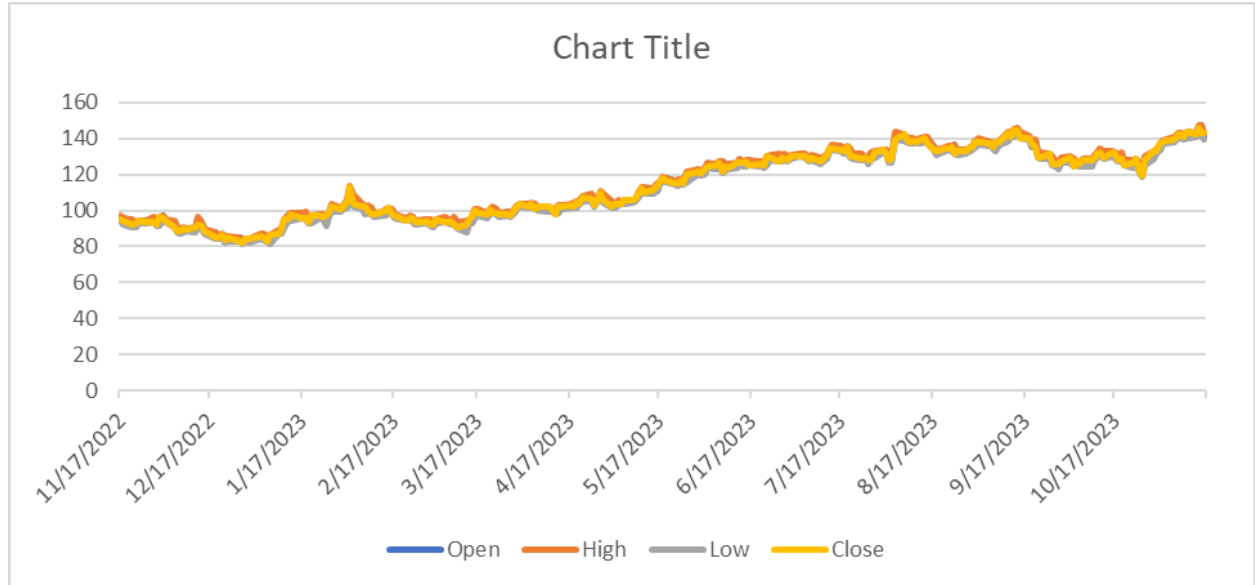


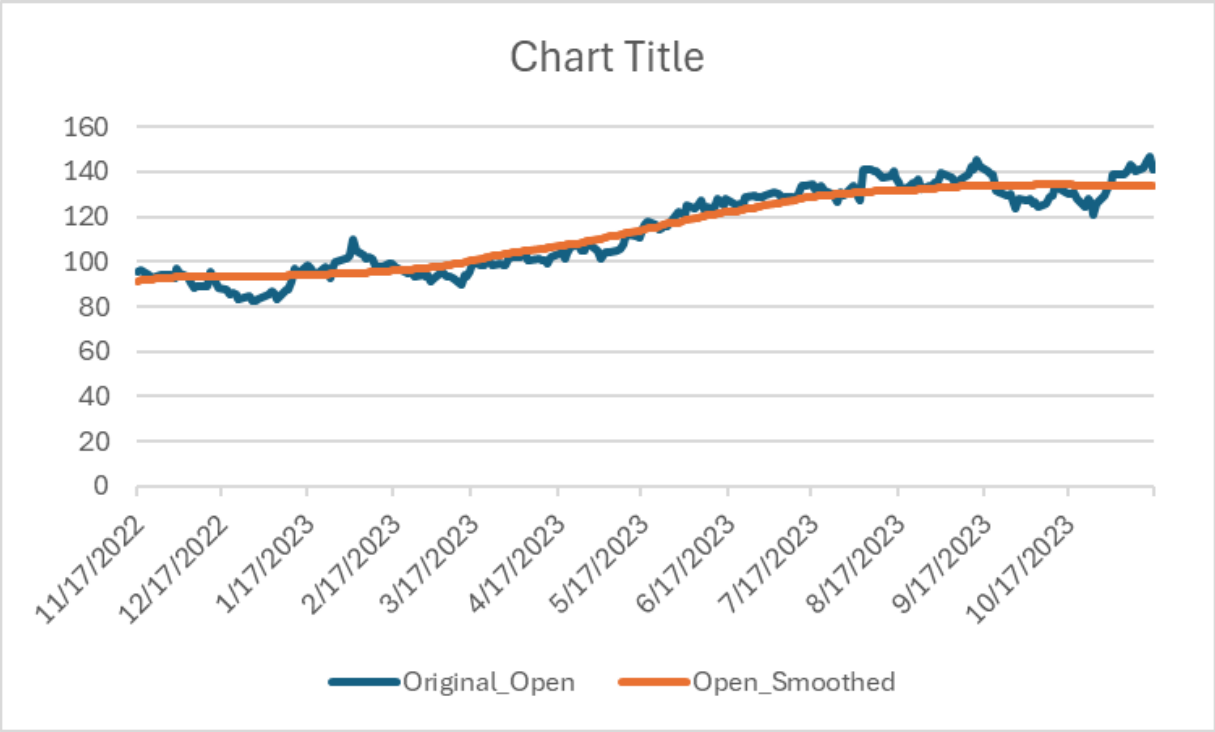
Stock Bot Write-Up

Ahmed Malik

The stock I have chosen is Amazon stock, The standard graph for this stock looks like this:

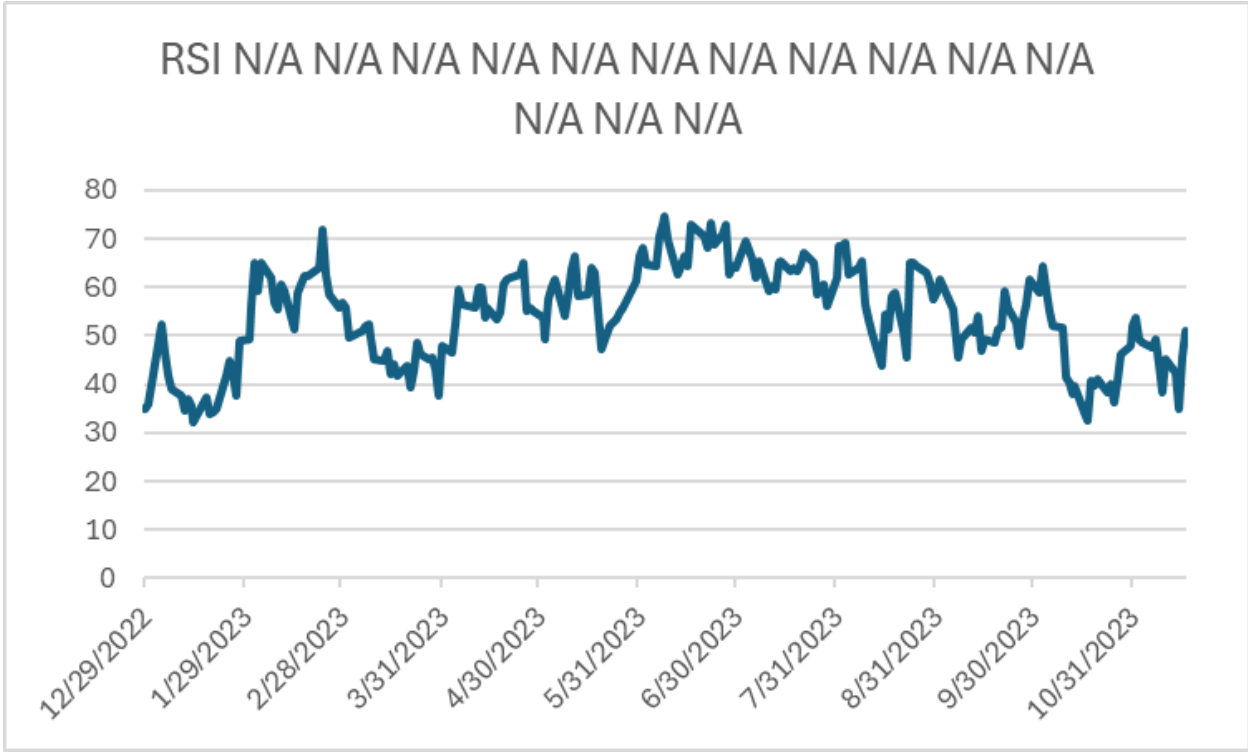


Moving Average



Applying the smoothing algorithm on the opening price of the stock yields a consistent and easy-to-read line that can be used to help predict when to buy and sell

RSI



Stock Bot Predictions

I created my own algorithm for when to buy and sell by generating a random number, 0 to 2. If the number is 0, it will do nothing, if the number is 1, it will buy, and if the number is 2, it will sell. Here are my results from start to finish.

Date: 2022-11-17, Net Worth: 10000.0	Date: 2023-11-01, Net Worth: 12282.648878999995
Date: 2022-11-18, Net Worth: 10057.999399999999	Date: 2023-11-02, Net Worth: 12282.648878999995
Date: 2022-11-21, Net Worth: 9852.079816	Date: 2023-11-03, Net Worth: 12282.648878999995
Date: 2022-11-22, Net Worth: 9711.680024	Date: 2023-11-06, Net Worth: 12262.407998999997
Date: 2022-11-23, Net Worth: 9776.159504	Date: 2023-11-07, Net Worth: 12262.407998999997
Date: 2022-11-25, Net Worth: 9778.359515999999	Date: 2023-11-08, Net Worth: 12472.947824999997
Date: 2022-11-28, Net Worth: 9778.919512	Date: 2023-11-09, Net Worth: 12472.947824999997
Date: 2022-11-29, Net Worth: 9790.359616	Date: 2023-11-10, Net Worth: 12472.947824999997
Date: 2022-11-30, Net Worth: 9627.079615999999	Date: 2023-11-13, Net Worth: 12615.507384999999
Date: 2022-12-01, Net Worth: 10097.159303999999	Date: 2023-11-14, Net Worth: 12615.507384999999
Date: 2022-12-02, Net Worth: 9836.119824	Date: 2023-11-15, Net Worth: 12615.507384999999
Date: 2022-12-05, Net Worth: 9830.399823999998	Date: 2023-11-16, Net Worth: 12615.507384999999
Date: 2022-12-06, Net Worth: 9820.199811999999	

As shown in the results, I started with a net worth of \$10,000 and ended with a net worth of \$12615.