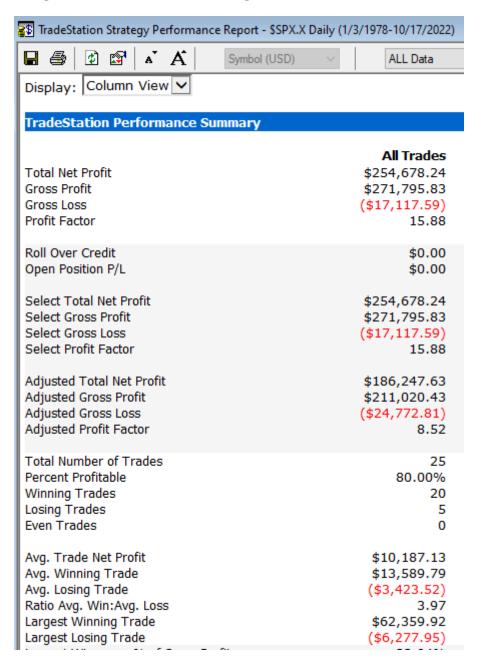
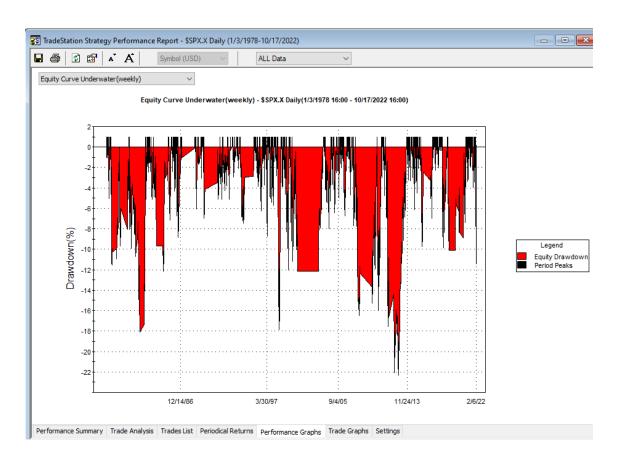
Test 1: 12-month Moving Average (MA) of margin debt since 1978. Buy when margin above MA; sell when margin below MA.







Test 2. 12-month MA Margin <u>against</u> the trend: Buy when margin below MA and Sell when margin above MA.

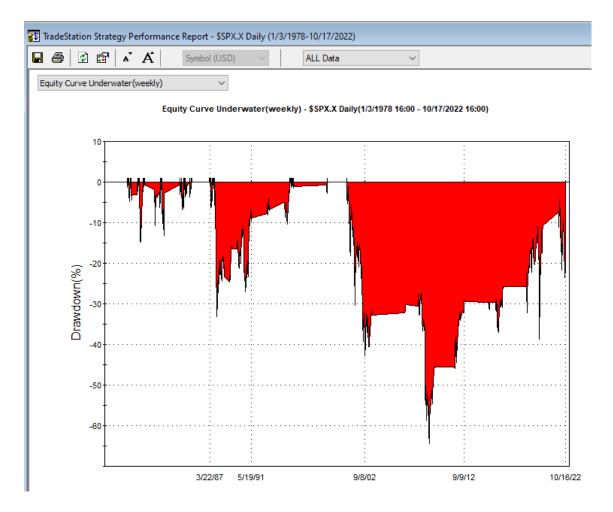
TradeStation Strategy Performance Report - \$SPX.X Daily (1/3/1978-10/17/2022) 🔯 😭 🗚 🧥 Symbol (USD) ALL Data Display: Column View TradeStation Performance Summary All Trades Total Net Profit \$7,845.99 Gross Profit \$18,852.12 Gross Loss (\$11,006.13) Profit Factor 1.71 Roll Over Credit \$0.00 Open Position P/L (\$2,190.20)Select Total Net Profit \$7,845.99 Select Gross Profit \$18,852.12 Select Gross Loss (\$11,006.13) Select Profit Factor 1.71 Adjusted Total Net Profit (\$1,401.07) Adjusted Gross Profit \$14,527.15 Adjusted Gross Loss (\$15,928.22) Adjusted Profit Factor 0.91 Total Number of Trades Percent Profitable 79.17% Winning Trades 19 Losing Trades 5 Even Trades 0 Avg. Trade Net Profit \$326.92 Avg. Winning Trade \$992.22 Avg. Losing Trade (\$2,201.23) Ratio Avg. Win: Avg. Loss 0.45 Largest Winning Trade \$3,149.42 Largest Losing Trade (\$6,128.25)

TradeStation Strategy Performance Report - \$SPX.X Daily (1/3/1978-10/17/2022)

| Symbol (USD) | ALL Data |
|---------------------------------|----------|
| Max. Consecutive Winning Trades | 5 |
| Max. Consecutive Losing Trades | 1 |
| Avg. Bars in Total Trades | 156.92 |
| Avg. Bars in Winning Trades | 121.89 |
| Avg. Bars in Losing Trades | 290.00 |
| Avg. Bars in Even Trades | 0.00 |

Trading Period
Percent of Time in the Market
Time in the Market
Longest Flat Period

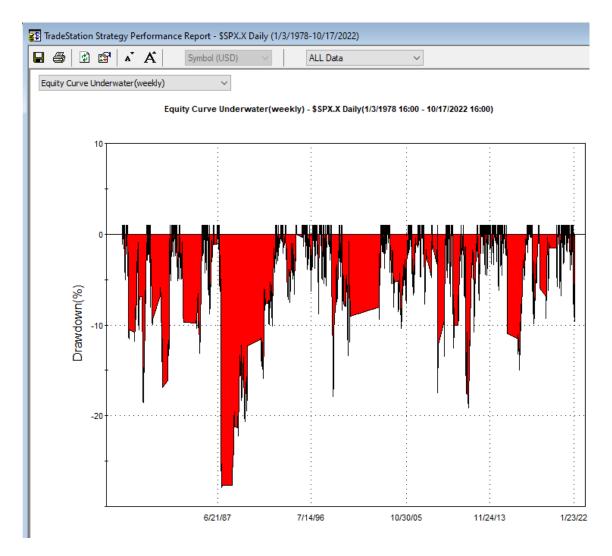
44 Years, 7 Months, 1 day 34.76% 15 Years, 5 Months, 29 days 1221 days



Test 3. Trend of margin debt appraised with Dow Theory patterns. Go with the trend:Buy when trend of margin bullish & sell when trend bearish.

TheDowTheory.com

| TradeStation Strategy Performance Report - \$SPX.X Daily (1/3/1978-10/17/2022) | | |
|--|---------------------------------------|--|
| □ ♣ 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | nbol (USD) | |
| Display: Column View | | |
| TradeStation Performance Summa | or y | |
| | All Trades | |
| Total Net Profit | \$313,914.01 | |
| Gross Profit Gross Loss | \$347,479.16 (\$33,565.15) | |
| Profit Factor | 10.35 | |
| Roll Over Credit | \$0.00 | |
| Open Position P/L | \$0.00 | |
| Select Total Net Profit | \$212,715.76 | |
| Select Gross Profit Select Gross Loss | \$246,280.91 (\$33,565.15) | |
| Select Gross Loss Select Profit Factor | 7.34 | |
| Adjusted Total Net Profit | \$222,512.39 | |
| Adjusted Gross Profit | \$269,780.46 | |
| Adjusted Gross Loss Adjusted Profit Factor | (\$47,268.07) 5.71 | |
| Total Number of Trades | 26 | |
| Percent Profitable | 76.92% 20 | |
| Winning Trades Losing Trades | 6 | |
| Even Trades | 0 | |
| Avg. Trade Net Profit | \$12,073.62 | |
| Avg. Winning Trade Avg. Losing Trade | \$17,373.96 (\$5,594.19) | |
| Ratio Avg. Win:Avg. Loss | 3.11 | |
| Largest Winning Trade | \$101,198.25 | |
| Largest Losing Trade | (\$18,797.69) | |
| Max. Consecutive Winning Trades Max. Consecutive Losing Trades | 6 1 | |
| Avg. Bars in Total Trades | 284.04 | |
| Avg. Bars in Winning Trades | 335.20 | |
| Avg. Bars in Losing Trades Avg. Bars in Even Trades | 113.50 0.00 | |
| | | |
| <u>Trading Period</u> Percent of Time in the Market | 44 Years, 7 Months, 12 days 65.55% | |
| Time in the Market | 29 Years, 2 Months, 29 days | |
| Longest Flat Period | 1008 days | |



Test 4. Trend of margin debt appraised with Dow Theory patterns. Go <u>against</u> the trend:Buy when trend of margin bearish & buy when trend bearish.

TheDowTheory.com

| TradeStation Strategy Performance Report - \$SPX.X Daily (1/3/1978-10/17/2022) | | |
|--|--|--|
| □ 😂 ② 😭 🗚 S | ymbol (USD) V | |
| Display: Column View | | |
| TradeStation Performance Sumn | nary | |
| Total Net Profit Gross Profit Gross Loss Profit Factor | All Trades \$4,653.28 \$23,959.52 (\$19,306.24) 1.24 | |
| Roll Over Credit | \$0.00 | |
| Open Position P/L | (\$1,880.43) | |
| Select Total Net Profit | \$4,653.28 | |
| Select Gross Profit | \$23,959.52 | |
| Select Gross Loss | (\$19,306.24) | |
| Select Profit Factor | 1.24 | |
| Adjusted Total Net Profit | (\$8,291.11) | |
| Adjusted Gross Profit | \$18,312.21 | |
| Adjusted Gross Loss | (\$26,603.31) | |
| Adjusted Profit Factor | 0.69 | |
| Total Number of Trades | 25 | |
| Percent Profitable | 72.00% | |
| Winning Trades | 18 | |
| Losing Trades | 7 | |
| Even Trades | 0 | |
| Avg. Trade Net Profit | \$186.13 | |
| Avg. Winning Trade | \$1,331.08 | |
| Avg. Losing Trade | (\$2,758.03) | |
| Ratio Avg. Win:Avg. Loss | 0.48 | |
| Largest Winning Trade | \$2,903.55 | |
| Largest Losing Trade | (\$10,794.66) | |
| Max. Consecutive Winning Trades | 7 | |
| Max. Consecutive Losing Trades | 2 | |
| Avg. Bars in Total Trades | 149.60 | |
| Avg. Bars in Winning Trades | 130.50 | |
| Avg. Bars in Losing Trades | 198.71 | |
| Avg. Bars in Even Trades | 0.00 | |
| Trading Period Percent of Time in the Market Time in the Market | 44 Years, 7 Months, 12 days 34.45% 15 Years, 4 Months, 13 days | |
| Longest Flat Period | 1189 days | |

