Triceratops

Trend Following Trading System Tests

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Fixed fractional allocation by market value; 20% per trade.

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Total Return	$191,388.40
Total Realized Return	$174,272.24
Gross Profit	$363,083.55
Gross Loss	($188,811.31)
Open Trade P/L	$17,116.16
Number of Trades	174
Number of Winning Trades	81
Number of Losing Trades	93
% Profitable	46.55%
Average Trade	$1,001.56
Average Trade (%)	3.30%
Standard Deviation Trade	$4,708.11
Standard Deviation Trade (%)	13.44%
Largest Winning Trade	$19,169.08
Largest Losing Trade	($10,693.30)
Profit Factor	1.92
Average Win / Average Loss	2.21
Sharpe Ratio	0.0743
K-Ratio	0.1295
Return Retracement Ratio	0.9592
Compounded Annual Return	9.02%
Compounded Monthly Return	0.71%
Average Annual Return	$13,670.60
Average Annual Return (%)	8.57%
Average Monthly Return	$1,275.92
Average Monthly Return (%)	0.80%
Percent Days Profitable	47.58%
Percent Months Profitable	52.00%
Percent Years Profitable	71.43%
Commissions on Futures	$0.00
Commissions on Currencies	$0.00
Commissions on Equities	$3,530.00
Total Commissions	$3,530.00

Strategy Analysis

Total Return	$191,388.40
Total Realized Return	$174,272.24
Gross Profit	$363,083.55
Gross Loss	($188,811.31)
Open Trade P/L	$17,116.16
Number of Trades	174
Number of Symbols Traded	5 out of 5
Average Trade	$1,001.56
Standard Deviation	$4,708.11
Average Trade (%)	3.30%
Standard Deviation	13.44%
Average Trade Length	76.28 days
Winning Trades	$363,083.55
Number of Winning Trades	81
Average Win	$4,482.51
Percent of Winning Trades	46.55%
Maximum Consecutive Wins	8
Largest Winning Trade	$19,169.08
Largest Winning Trade (%)	52.67%
Average Winning Trade Length	124.52 days
Losing Trades	($188,811.31)
Number of Losing Trades	93
Average Loss	($2,030.23)
Percent of Losing Trades	53.45%
Maximum Consecutive Losses	10
Largest Losing Trade	($10,693.30)
Largest Losing Trade (%)	-21.17%
Average Losing Trade Length	34.27 days
Commissions on Futures	$0.00
Commissions on Currencies	$0.00
Commissions on Equities	$3,530.00
Total Commissions	$3,530.00

Trade Analysis

Runups	
(by Amount)	
Maximum	$26,745.12
Date	10/19/2009
Average	$4,953.45
Standard Deviation	$5,464.37
(by Percent)	
Maximum	85.38%
Date	3/24/2000
Average	14.20%
Standard Deviation	15.97%
Drawdowns	
(by Amount)	
Maximum	($10,673.30)
Date	3/23/2009
Average	($1,504.67)
Standard Deviation	$1,596.38
(by Percent)	
Maximum	-21.13%
Date	3/23/2009
Average	-4.11%
Standard Deviation	3.74%
Efficiency Analysis	
Efficiency	
Total	
Average	-11.22%
Standard Deviation	53.86%
Entry	
Average	64.23%
Standard Deviation	31.75%
Exit	
Average	24.55%
Standard Deviation	27.33%
Profit Factor	1.92
Average Win/Average Loss	2.21
Net Profit/Largest Loss	-16.3
Net Profit/Max Drawdown	16.33

Statistical Analysis

t-Test	73.17
Significance	Yes

Return Analysis			
Annual Returns	**Amount**	**Amount (%)**	**Percent of Fixed Capital**
Average	$13,670.60	8.57%	13.67%
Standard Deviation	$25,246.73	12.37%	25.25%
Annualized Sharpe Ratio	0.5415		
Monthly Returns			
Average	$1,275.92	0.80%	1.28%
Standard Deviation	$8,234.57	4.28%	8.23%
Weekly Returns			
Average	$295.81	0.19%	0.30%
Standard Deviation	$4,279.17	2.10%	4.28%
Sharpe Ratio	0.0743		
K-Ratio	0.1295		
Return Retracement Ratio	0.9592		
Daily Returns			
Average	$61.44	0.04%	0.06%
Standard Deviation	$2,188.39	1.04%	2.19%
Best 12-month period	$95,729.96	47.55%	95.73%
	starting 10/1/2008	starting 8/1/2008	starting 10/1/2008
Worst 12-month period	($44,312.69)	-14.14%	-44.31%
	starting 10/1/2009	starting 10/1/2009	starting 10/1/2009
Equity Analysis			
Equity Drawdown			
Maximum	$71,519.33	21.55%	71.52%
Maximum Drawdown Date	9/17/2010	9/17/2010	9/17/2010
Average	$7,638.41	3.85%	7.64%
Standard Deviation	$11,286.69	4.81%	11.29%
Equity Runup			
Maximum	$235,705.22	245.00%	235.71%
Maximum Runup Date	10/19/2009	10/19/2009	10/19/2009
Average	$37,365.88	38.80%	37.37%
Standard Deviation	$87,776.53	91.25%	87.78%
Average Time to Recovery	23 days		
Average Time Between Equity Peaks	47 days		
Longest Time Between Equity Peaks	539 days		

Percent Years Profitable	71.43%		
Percent Months Profitable	52.00%		
Percent Weeks Profitable	50.39%		
Percent Days Profitable	47.58%		
Compounded Annual Return	9.02%		
Compounded Monthly Return	0.71%		

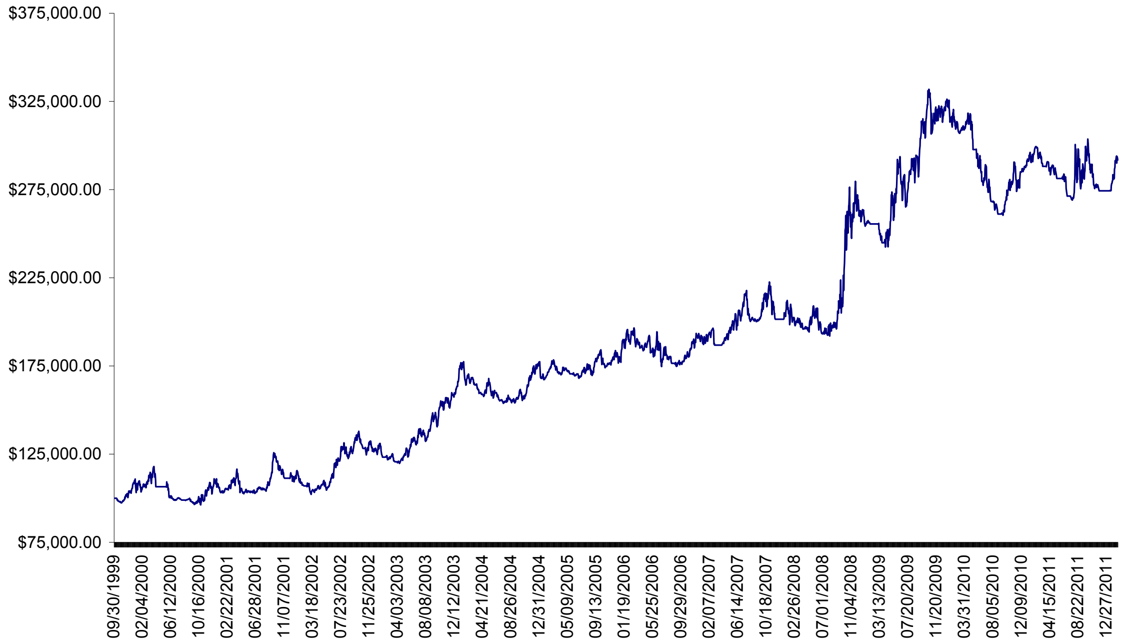
Program Settings

Portfolio Name	Sample Portfolio 2
Created using	Portfolio Maestro 3.0.48.0
Base Currency	USD
Initial Capital	$100,000.00
Risk Free Rate	0.50%
Sharpe Period	Weekly
Commissions	Stock - 10 per Trade
Slippage	
Start Date	10/1/1999 12:00:00 AM
End Date	2/15/2012 11:59:59 PM
Strategy Group	New Strategy Group
Trading Symbols	[NEW ETF]
	EEM, EWZ, QQQ, XLK, MDY, EWC, FXI, PFF
Ranking	None
Strategy	TRI System
Money Management	Fixed Fractional by Market Value
Inputs	Maximum Contracts=5000
	Percent Risk=0.2

Equity Curve

TRI-Top Trading Method with Money Management

Fixed Fractional share alloction by share price of 20%



TRI-Top Trading Method (Stocks) with Money Management

Fixed fractional allocation by market value; 5% of portfolio per signal.

Summary	
Total Return	$364,617.98
Total Realized Return	$321,060.71
Gross Profit	$932,010.12
Gross Loss	($610,949.41)
Open Trade P/L	$43,557.27
Number of Trades	942
Number of Winning Trades	347
Number of Losing Trades	595
% Profitable	36.84%
Average Trade	$340.83
Average Trade (%)	3.64%
Standard Deviation Trade	$2,891.53
Standard Deviation Trade (%)	31.25%
Largest Winning Trade	$33,380.00
Largest Losing Trade	($14,972.89)
Profit Factor	1.53
Average Win / Average Loss	2.62
Sharpe Ratio	0.0933
K-Ratio	0.1301
Return Retracement Ratio	1.3864
Compounded Annual Return	13.20%
Compounded Monthly Return	1.02%
Average Annual Return	$26,044.14
Average Annual Return (%)	12.55%
Average Monthly Return	$2,430.79
Average Monthly Return (%)	1.13%
Percent Days Profitable	52.94%
Percent Months Profitable	59.33%
Percent Years Profitable	85.71%
Commissions on Futures	$0.00
Commissions on Currencies	$0.00
Commissions on Equities	$18,980.00
Total Commissions	$18,980.00

Strategy Analysis	
Total Return	$364,617.98
Total Realized Return	$321,060.71
Gross Profit	$932,010.12
Gross Loss	($610,949.41)
Open Trade P/L	$43,557.27
Number of Trades	942
Number of Symbols Traded	24 out of 24
Average Trade	$340.83
Standard Deviation	$2,891.53
Average Trade (%)	3.64%
Standard Deviation	31.25%
Average Trade Length	65.84 days
Winning Trades	$932,010.12
Number of Winning Trades	347
Average Win	$2,685.91
Percent of Winning Trades	36.84%
Maximum Consecutive Wins	9
Largest Winning Trade	$33,380.00
Largest Winning Trade (%)	419.35%
Average Winning Trade Length	119.33 days
Losing Trades	($610,949.41)
Number of Losing Trades	595
Average Loss	($1,026.81)
Percent of Losing Trades	63.16%
Maximum Consecutive Losses	15
Largest Losing Trade	($14,972.89)
Largest Losing Trade (%)	-95.34%
Average Losing Trade Length	34.65 days
Commissions on Futures	$0.00
Commissions on Currencies	$0.00
Commissions on Equities	$18,980.00
Total Commissions	$18,980.00

Trade Analysis

Runups	
(by Amount)	
Maximum	$39,000.00
Date	11/11/2009
Average	$2,550.28
Standard Deviation	$3,873.26
(by Percent)	
Maximum	490.57%
Date	11/11/2009
Average	25.05%
Standard Deviation	41.13%
Drawdowns	
(by Amount)	
Maximum	($14,952.89)
Date	4/2/2009
Average	($941.18)
Standard Deviation	$1,056.30
(by Percent)	
Maximum	-100.00%
Date	2/12/2001
Average	-9.09%
Standard Deviation	8.94%
Efficiency Analysis	
Efficiency	
Total	
Average	-20.38%
Standard Deviation	52.70%
Entry	
Average	57.92%
Standard Deviation	31.51%
Exit	
Average	21.70%
Standard Deviation	26.87%
Profit Factor	1.53
Average Win/Average Loss	2.62
Net Profit/Largest Loss	-21.44
Net Profit/Max Drawdown	21.47

Statistical Analysis

t-Test	112.838
Significance	Yes

Return Analysis			
Annual Returns	**Amount**	**Amount (%)**	**Percent of Fixed Capital**
Average	$26,044.14	12.55%	26.04%
Standard Deviation	$29,361.25	15.53%	29.36%
Annualized Sharpe Ratio	0.887		
Monthly Returns			
Average	$2,430.79	1.13%	2.43%
Standard Deviation	$12,394.01	4.45%	12.39%
Weekly Returns			
Average	$563.55	0.27%	0.56%
Standard Deviation	$7,454.40	2.45%	7.45%
Sharpe Ratio	0.0933		
K-Ratio	0.1301		
Return Retracement Ratio	1.3864		
Daily Returns			
Average	$117.05	0.06%	0.12%
Standard Deviation	$3,355.03	1.11%	3.36%
Best 12-month period	$166,957.44	64.01%	166.96%
	starting 10/1/2008	starting 10/1/2008	starting 10/1/2008
Worst 12-month period	($45,411.77)	-22.53%	-45.41%
	starting 10/1/2009	starting 5/1/2000	starting 10/1/2009
Equity Analysis			
Equity Drawdown			
Maximum	$78,895.43	31.79%	78.90%
Maximum Drawdown Date	6/17/2010	4/20/2001	6/17/2010
Average	$11,045.93	4.26%	11.05%
Standard Deviation	$17,149.77	5.18%	17.15%
Equity Runup			
Maximum	$426,806.22	516.31%	426.81%
Maximum Runup Date	10/3/2011	10/3/2011	10/3/2011
Average	$47,738.59	57.07%	47.74%
Standard Deviation	$133,422.37	161.57%	133.42%
Average Time to Recovery	24 days		
Average Time Between Equity Peaks	51 days		

Longest Time Between Equity Peaks	795 days		
Percent Years Profitable	85.71%		
Percent Months Profitable	59.33%		
Percent Weeks Profitable	56.72%		
Percent Days Profitable	52.94%		
Compounded Annual Return	13.20%		
Compounded Monthly Return	1.02%		

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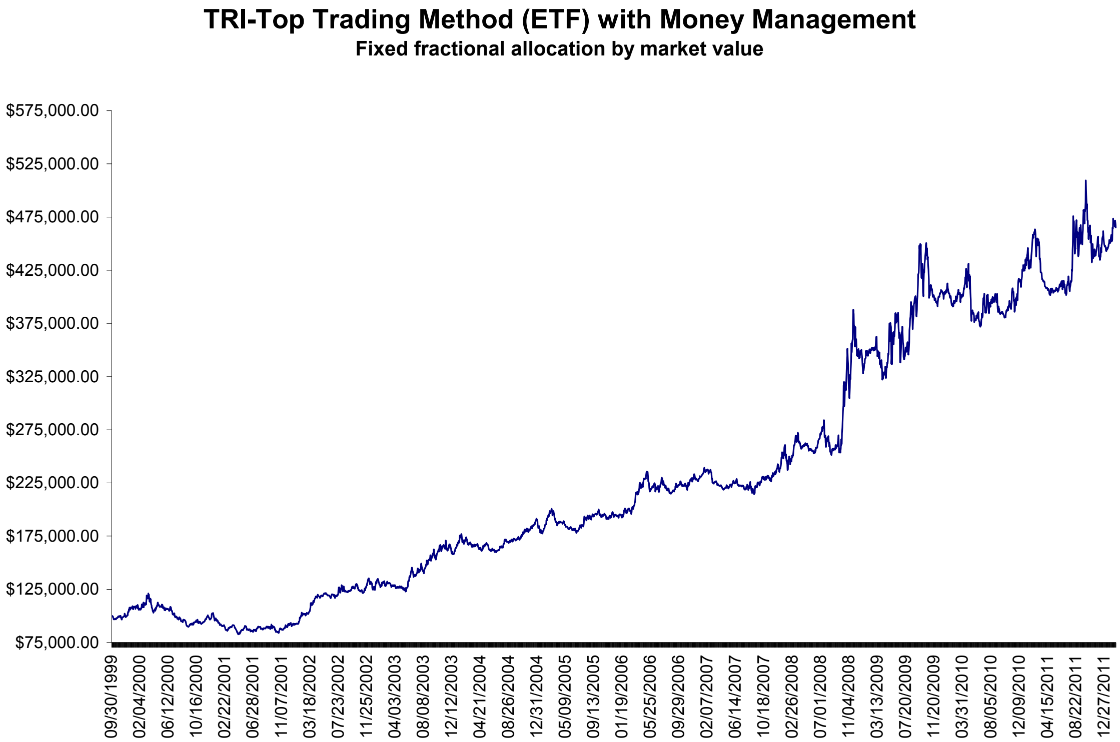
Portfolio Name	Sample Portfolio 2
Created using	Portfolio Maestro 3.0.48.0
Base Currency	USD
Initial Capital	$100,000.00
Risk Free Rate	0.50%
Sharpe Period	Weekly
Commissions	Stock - 10 per Trade
Slippage	
Start Date	10/1/1999 12:00:00 AM
End Date	2/15/2012 11:59:59 PM
Strategy Group	New Strategy Group
Trading Symbols	[stocks]
	AEG, ATPG, AMD, ACAS, AINV, BFR, BAC, BLC, BSX, BYD, CELL, CX, COT, DX, EXFO, CETV, HHS, INAP, KEM, KKD, MIL, MRGE, SONC
Ranking	None
Strategy	TRI System
Money Management	Fixed Fractional by Market Value
Inputs	Maximum Contracts=5000
	Percent Risk=0.05

Equity Curve



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