

## Introduction

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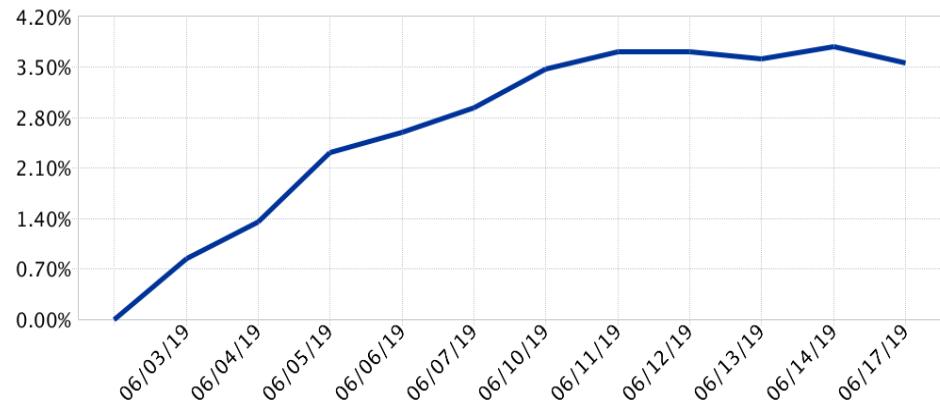
Name: Sample  
Account: Consolidated  
Alias: Interactive Brokers  
Base Currency: USD  
Analysis Period: June 3, 2019 to June 17, 2019 (Daily)  
Performance Measure: TWR

## Breakdown of Accounts

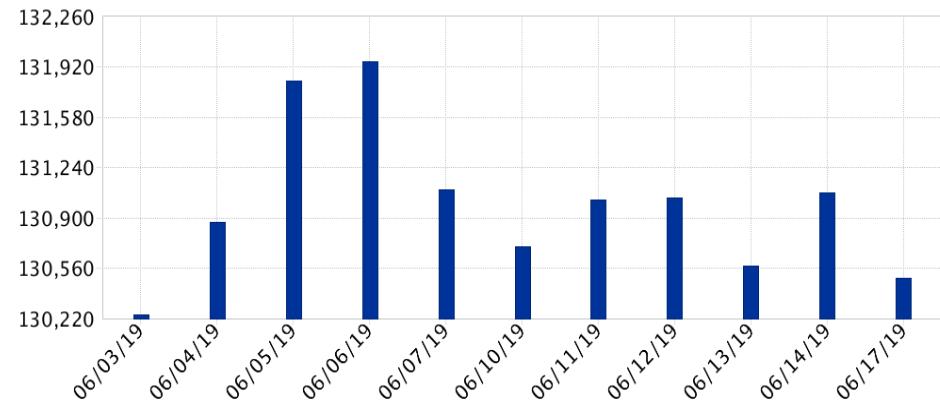
Account	Beginning NAV	Ending NAV	Return	Deposits	Withdrawals	Dividends	Interest	Fees
Chase Bank	98.06	308.89	-8.85%	1,675.63	-3,025.86	-	0.00	0.00
AMEX Corporate Card	0.00	-2,623.63	-	-	-	-	0.00	0.00
AMEX Platinum	0.00	-745.36	-	-	-	-	0.00	0.00
TD Ameritrade	95,593.69	97,607.55	2.11%	0.00	0.00	28.31	0.00	0.00
Connecticut's 529 College	117.77	120.88	2.64%	0.00	0.00	0.00	0.00	0.00
Offline Institution	6,633.00	6,633.00	0.00%	-	-	-	-	-
Interactive Brokers	28,156.65	29,193.13	3.68%	0.00	0.00	0.00	0.00	-17.50
<b>Total</b>	<b>130,599.17</b>	<b>130,494.46</b>	<b>3.57%</b>	<b>1,675.63</b>	<b>-3,025.86</b>	<b>28.31</b>	<b>0.00</b>	<b>-17.50</b>

# Account Overview

## Cumulative Return



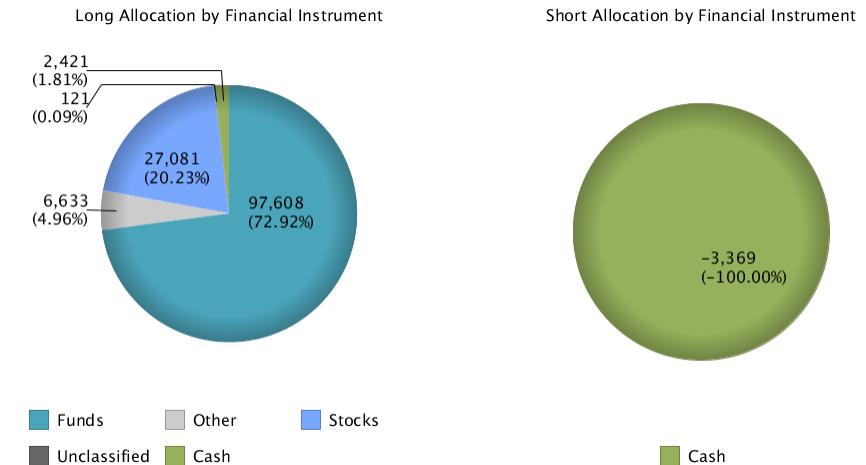
## Net Asset Value



## Key Statistics

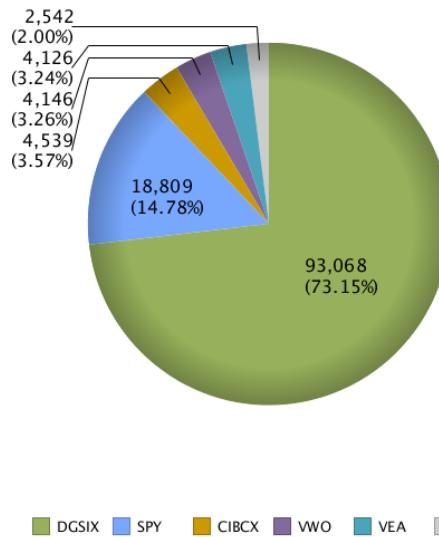
Beginning NAV:	130,599.17
Ending NAV:	130,494.46
Cumulative Return:	3.57%
5 Day Return:	0.09% (06/11/19 - 06/17/19)
10 Day Return:	2.69% (06/04/19 - 06/17/19)
Best Return:	0.95% (06/05/19)
Worst Return:	-0.21% (06/17/19)
Deposits/Withdrawals:	-1,350.23

## Financial Instrument Allocation



## Open Position Summary

Long Positions  
(127,230.44 as of 06/17/2019)



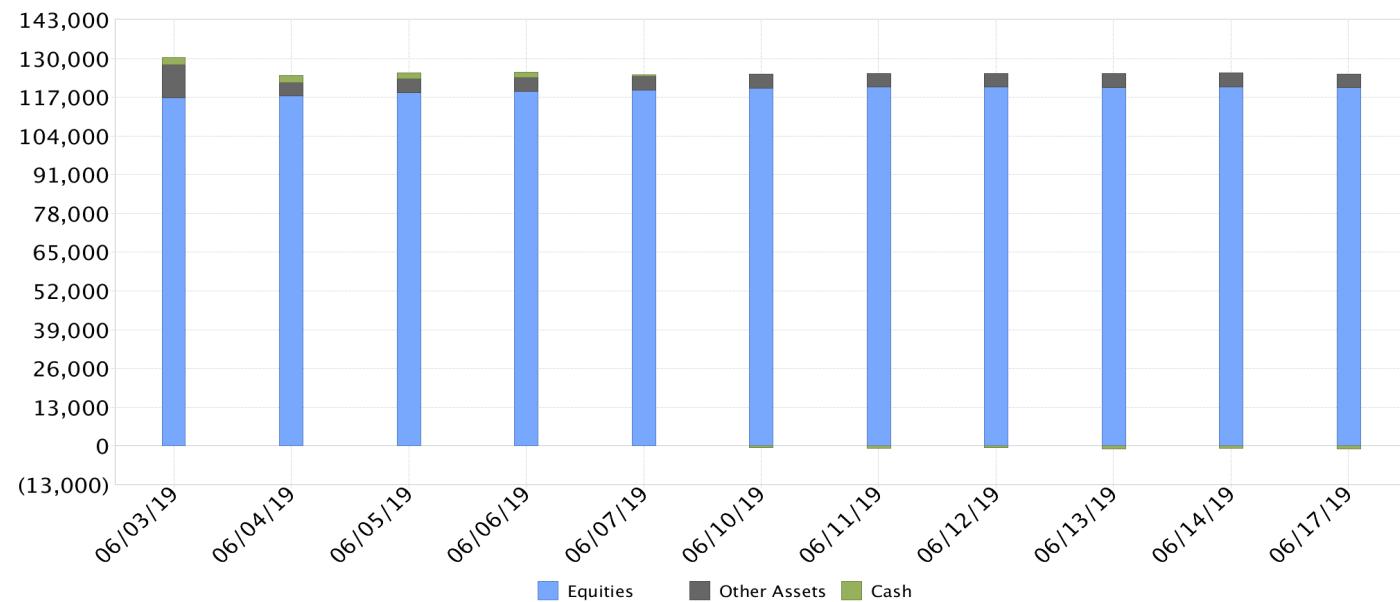
DGSIX SPY CIBCX VWO VEA Other

Symbol	Description	Sector	Quantity	Close Price	Value	Cost Basis	Unrealized P&L	Base Value
<b>Funds</b>								
<b>USD</b>								
CIBCX	AMERICAN FUNDS CAPITAL INCOME BUIL...	Unclassified	75.027	60.50	4,539.13	3,139.35	1,399.78	4,539.13
DGSIX	DFA GLBL ALLOC 60/40 PORT INST	Unclassified	5,179.099	17.97	93,068.41	42,420.12	50,648.29	93,068.41
<b>Total</b>					<b>97,607.54</b>	<b>45,559.47</b>	<b>52,048.07</b>	<b>97,607.54</b>
<b>Stocks</b>								
<b>USD</b>								
SPY	SPDR S&P 500 ETF TRUST	Financials	65	289.37	18,809.05	16,506.42	2,302.63	18,809.05
VEA	VANGUARD FTSE DEVELOPED ETF	Unclassified	102	40.45	4,125.90	4,335.71	-209.81	4,125.90
VWO	VANGUARD FTSE EMERGING MARKE	Financials	102	40.65	4,146.30	4,440.21	-293.91	4,146.30
<b>Total</b>					<b>27,081.25</b>	<b>25,282.34</b>	<b>1,798.91</b>	<b>27,081.25</b>
<b>Unclassified</b>								
<b>USD</b>								
Active Global Equity Option-2	Active Global Equity Option-2282	Unclassified	6.099	19.82	120.88	-	-	120.88
<b>Total</b>					<b>120.88</b>	<b>-</b>	<b>-</b>	<b>120.88</b>

## Open Position Summary (Cont.)

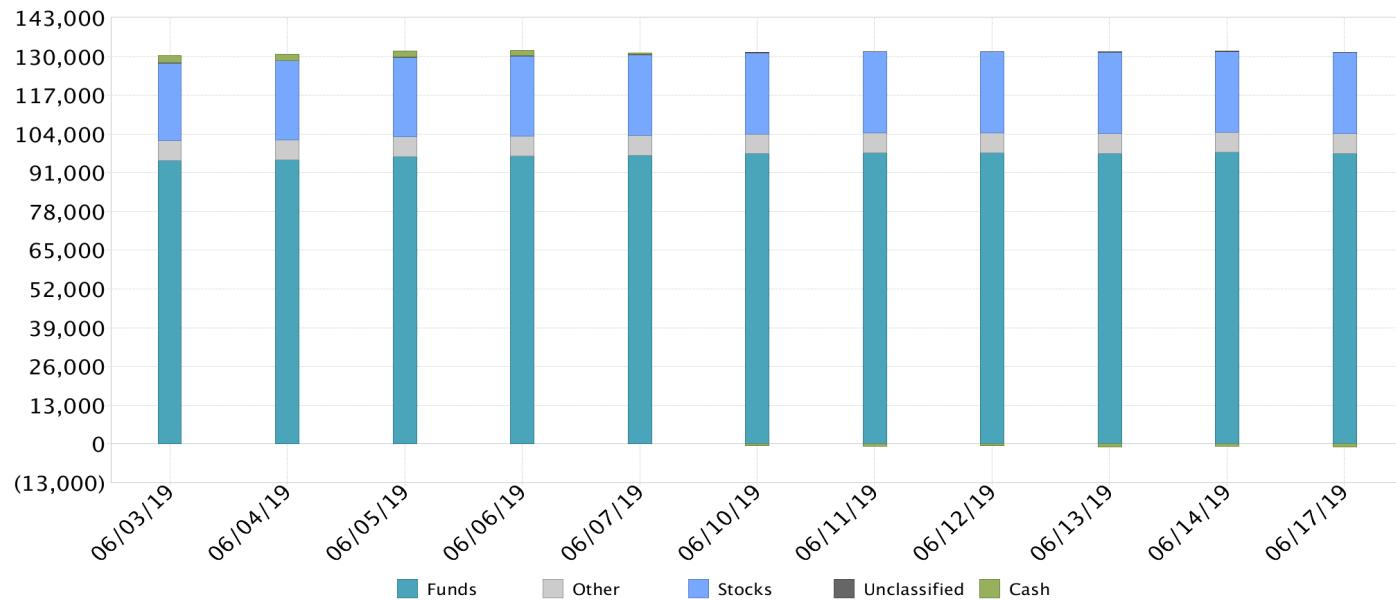
Symbol	Description	Sector	Quantity	Close Price	Value	Cost Basis	Unrealized P&L	Base Value
Cash								
USD	United States Dollar		2,420.77	1.00	2,420.77			2,420.77

## Allocation by Asset Class



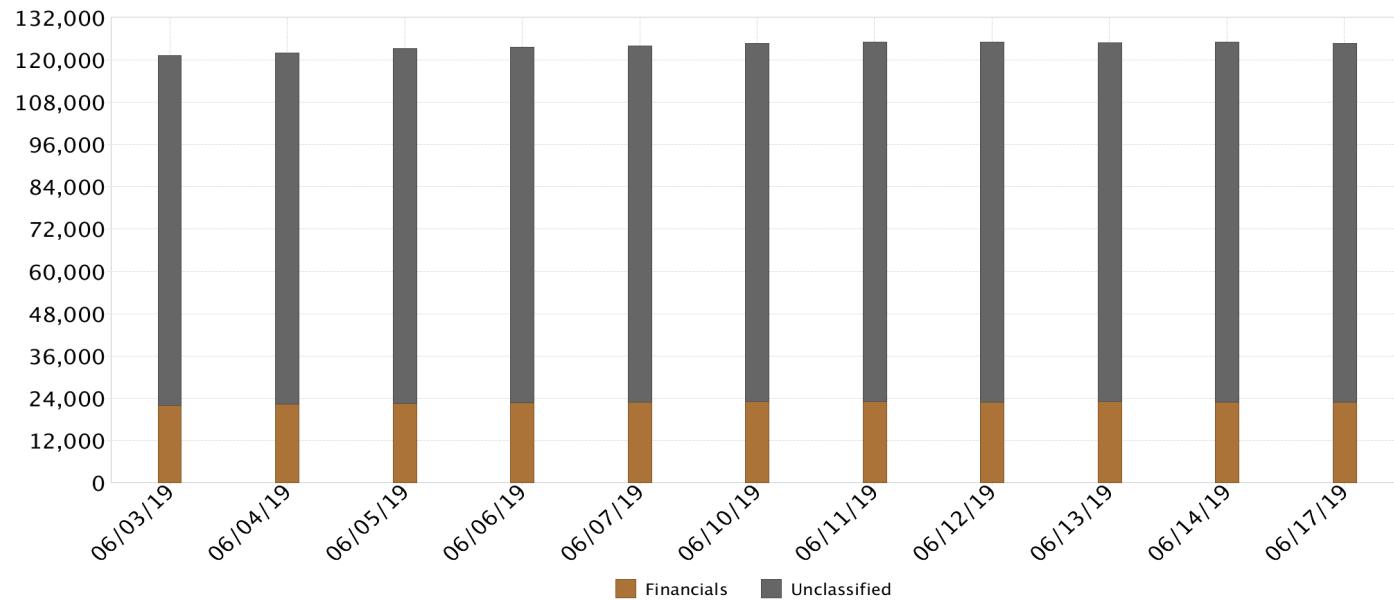
Date	Equities	Other Assets	Cash	NAV
06/03/19	116,782.83	11,174.06	2,290.45	130,247.34
06/04/19	117,431.46	4,568.78	2,238.28	124,238.52
06/05/19	118,644.38	4,604.91	1,946.25	125,195.54
06/06/19	118,987.46	4,615.70	1,718.78	125,321.94
06/07/19	119,406.63	4,639.31	415.45	124,461.39
06/10/19	120,060.32	4,670.35	-655.72	124,074.95
06/11/19	120,378.98	4,673.20	-664.70	124,387.48
06/12/19	120,369.85	4,684.75	-651.27	124,403.32
06/13/19	120,246.16	4,672.27	-970.84	123,947.59
06/14/19	120,455.52	4,677.88	-696.66	124,436.74
06/17/19	120,149.66	4,660.01	-948.21	123,861.46

## Allocation by Financial Instrument



PortfolioAnalyst

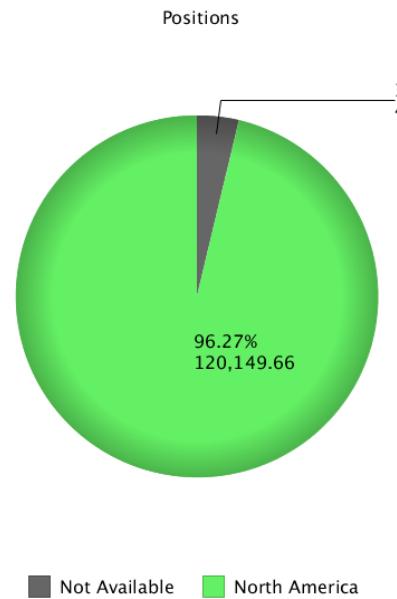
## Allocation by Sector



Date	Financials	Unclassified	Total
06/03/19	22,016.81	99,307.08	121,323.89
06/04/19	22,405.23	99,595.01	122,000.24
06/05/19	22,532.58	100,716.71	123,249.29
06/06/19	22,651.16	100,952.00	123,603.16
06/07/19	22,865.99	101,179.95	124,045.94
06/10/19	22,990.55	101,740.12	124,730.67
06/11/19	23,029.86	102,022.32	125,052.18
06/12/19	22,950.81	102,103.79	125,054.60
06/13/19	23,032.24	101,886.19	124,918.43
06/14/19	22,959.42	102,173.98	125,133.40
06/17/19	22,955.35	101,854.32	124,809.67

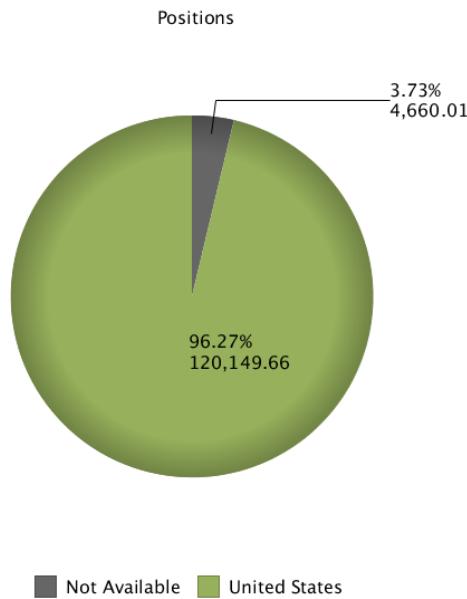
## Allocation by Region

### Allocation By Region



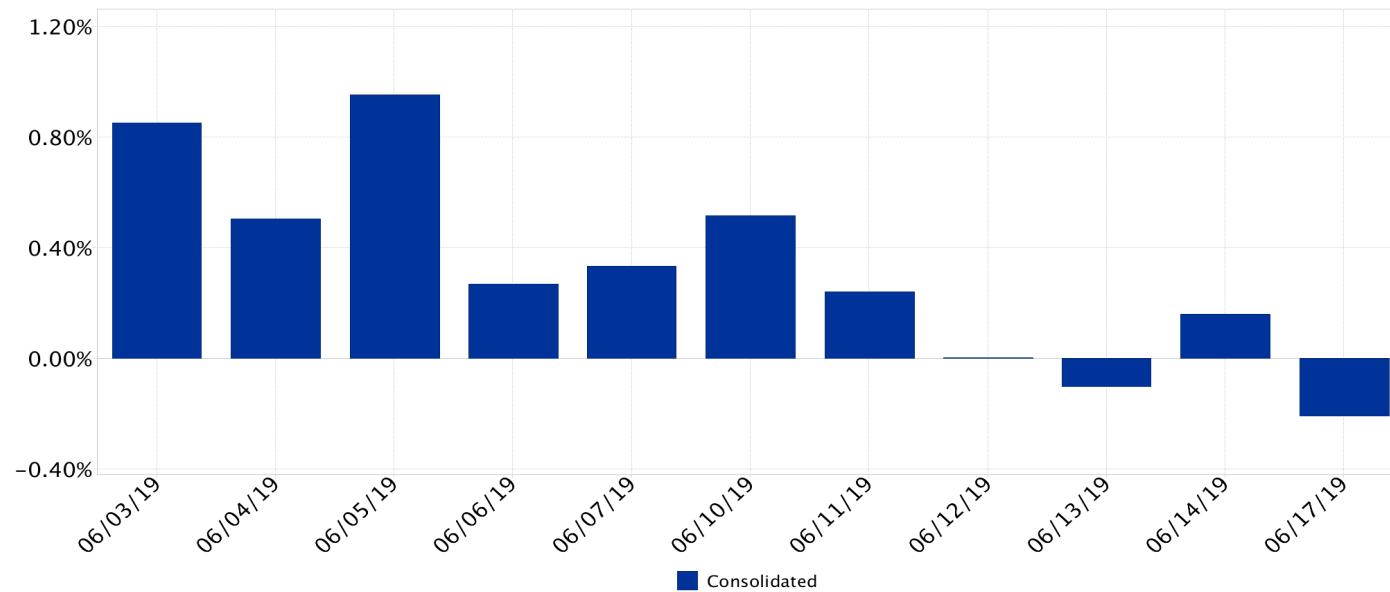
Region	Weight (%)
North America	96.27
Not Available	3.73
<b>Total</b>	<b>100.00</b>

### Top 5 Countries



Country	Weight (%)
United States	96.27
Not Available	3.73
<b>Total</b>	<b>100.00</b>

## Time Period Performance Statistics

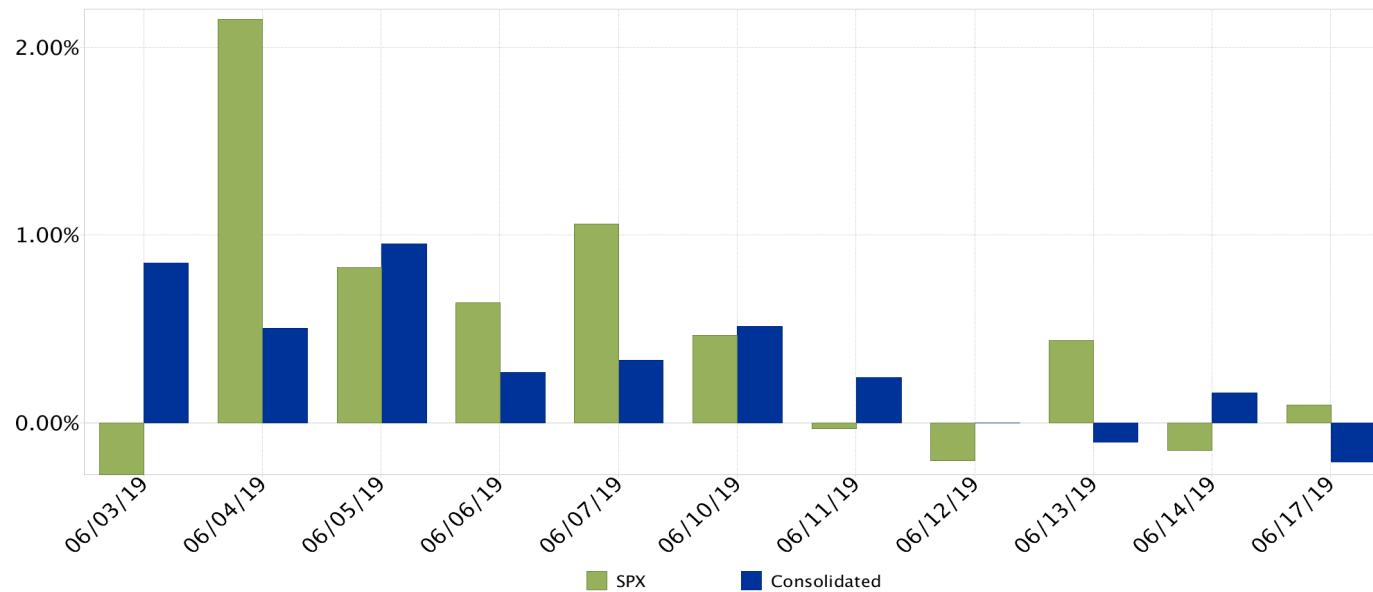


Date	Consolidated
06/03/19	0.85%
06/04/19	0.50%
06/05/19	0.95%
06/06/19	0.27%
06/07/19	0.33%
06/10/19	0.51%
06/11/19	0.24%
06/12/19	0.00%
06/13/19	-0.10%
06/14/19	0.16%
06/17/19	-0.21%
<b>Average</b>	<b>0.32%</b>

### Key Statistics

Beginning NAV:	<b>130,599.17</b>
Ending NAV:	<b>130,494.46</b>
Cumulative Return:	<b>3.57%</b>
5 Day Return:	0.09% (06/11/19 - 06/17/19)
10 Day Return:	2.69% (06/04/19 - 06/17/19)
Best Return:	0.95% (06/05/19)
Worst Return:	-0.21% (06/17/19)
Deposits/Withdrawals:	-1,350.23

## Time Period Benchmark Comparison

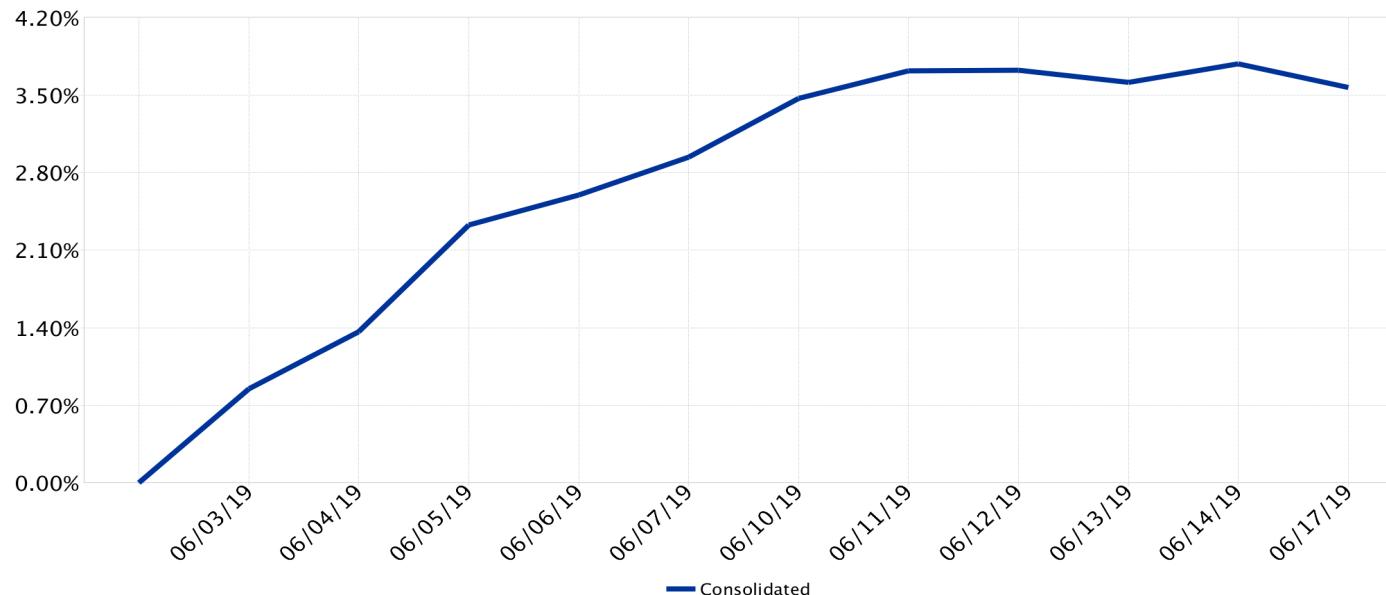


**Average**

0.46%

0.32%

## Cumulative Performance Statistics

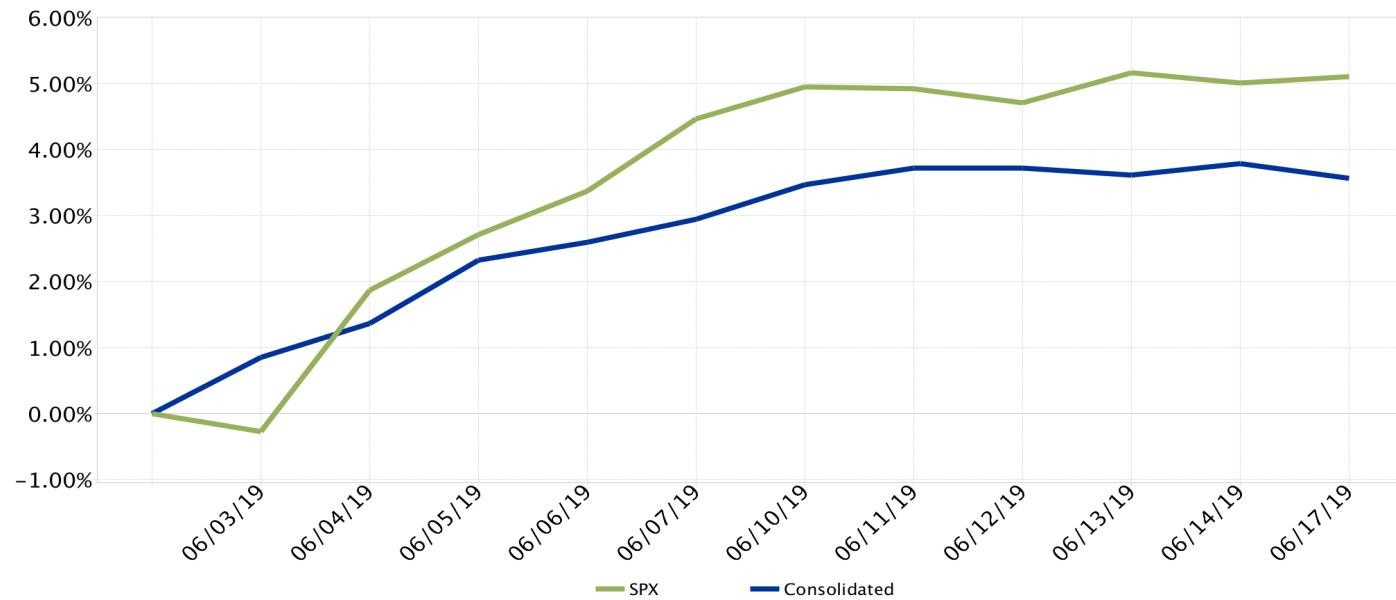


Date	Consolidated
06/03/19	0.85%
06/04/19	1.36%
06/05/19	2.33%
06/06/19	2.60%
06/07/19	2.94%
06/10/19	3.47%
06/11/19	3.72%
06/12/19	3.72%
06/13/19	3.62%
06/14/19	3.78%
06/17/19	3.57%
<b>06/03/19 to 06/17/19</b>	<b>3.57%</b>

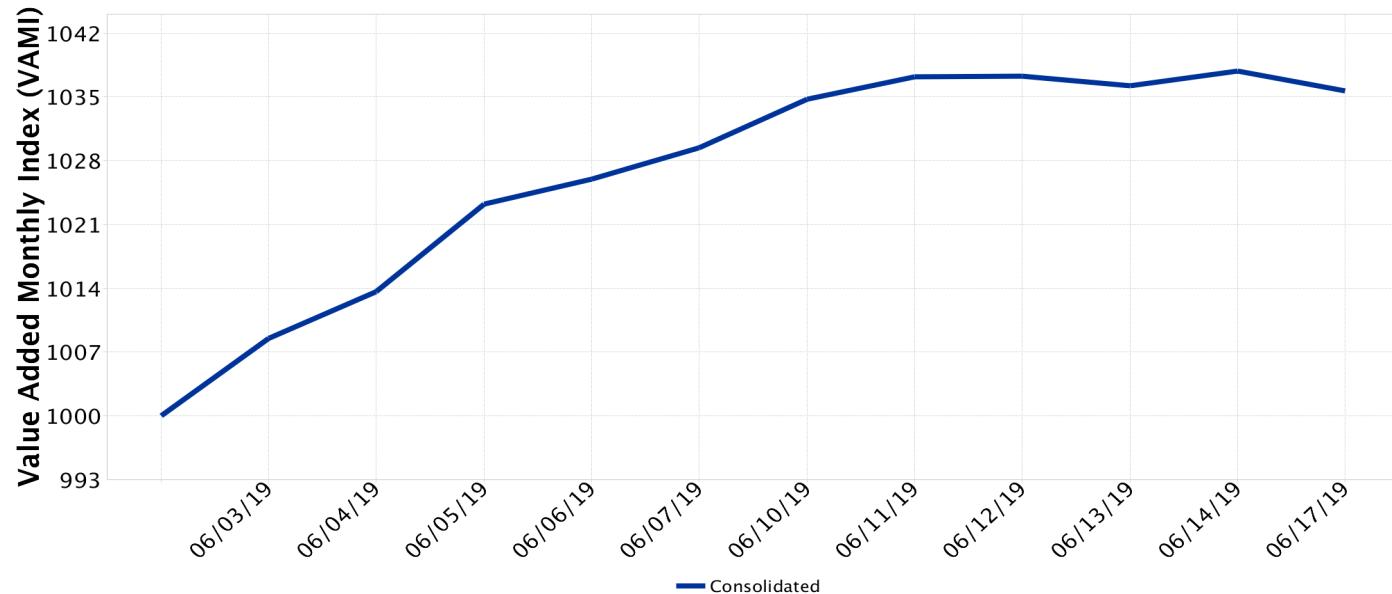
### Key Statistics

<b>Beginning NAV:</b>	<b>130,599.17</b>
<b>Ending NAV:</b>	<b>130,494.46</b>
<b>Cumulative Return:</b>	<b>3.57%</b>
5 Day Return:	0.09% (06/11/19 - 06/17/19)
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Best Return:	0.95% (06/05/19)
Worst Return:	-0.21% (06/17/19)
Deposits/Withdrawals:	-1,350.23

## Cumulative Benchmark Comparison



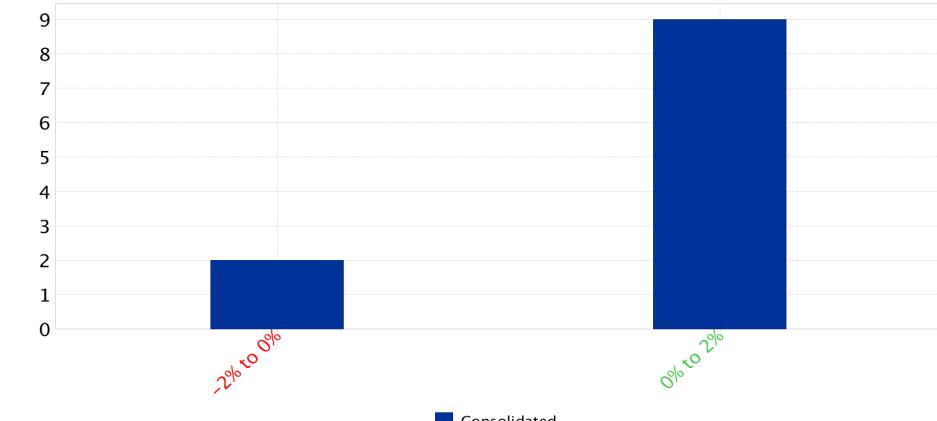
## Risk Measures



## Risk Analysis

	Consolidated
Ending VAMI:	1,035.68
Max Drawdown:	0.21%
Peak-To-Valley:	06/14/19 - 06/17/19
Recovery:	Ongoing
Sharpe Ratio:	16.98
Sortino Ratio:	72.21
Standard Deviation:	0.35%
Downside Deviation:	0.08%
Turnover:	0.00%
Mean Return:	0.32%
Positive Periods:	9 (81.82%)
Negative Periods:	2 (18.18%)

## Distribution of Returns

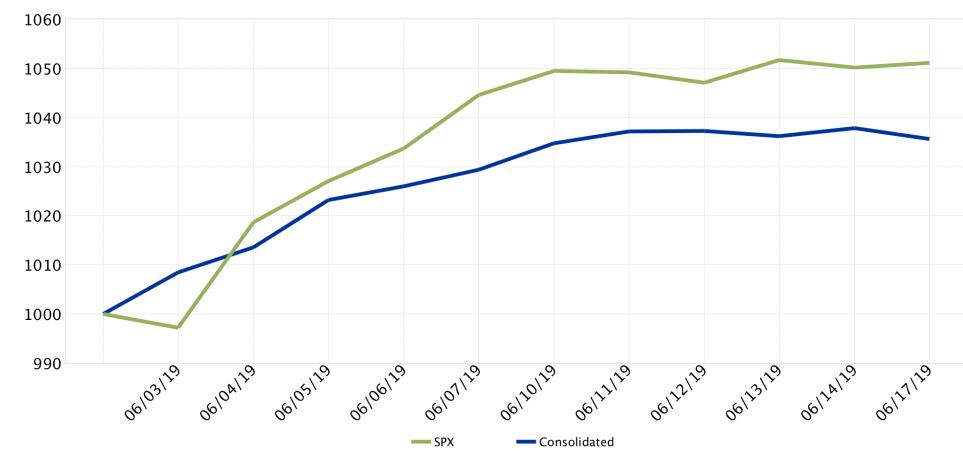


# Risk Measures Benchmark Comparison

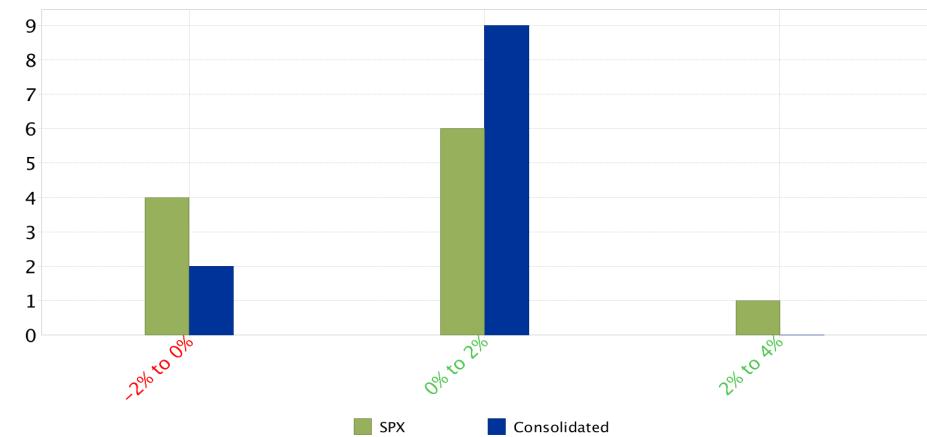
## Risk Analysis

	SPX	Consolidated
Ending VAMI:	1,051.12	1,035.68
Max Drawdown:	0.28%	0.21%
Peak-To-Valley:	Start - 06/03/19	06/14/19 - 06/17/19
Recovery:	1 Day	Ongoing
Sharpe Ratio:	12.53	16.98
Sortino Ratio:	66.80	72.21
Standard Deviation:	0.68%	0.35%
Downside Deviation:	0.12%	0.08%
Correlation:	0.27	-
$\beta$ :	0.14	-
$\alpha$ :	0.90	-
Tracking Error:	0.68%	-
Information Ratio:	-2.28	-
Turnover:	-	0.00%
Mean Return:	0.46%	0.32%
Positive Periods:	7 (63.64%)	9 (81.82%)
Negative Periods:	4 (36.36%)	2 (18.18%)

## Value Added Monthly Index (VAMI)



## Distribution of Returns



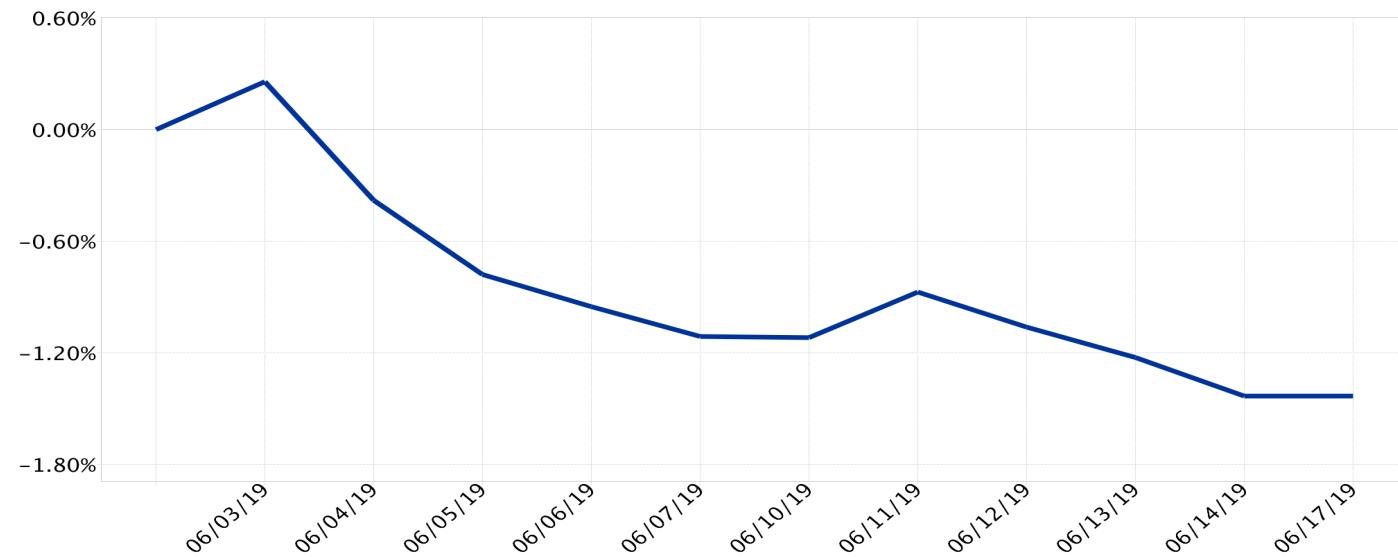
## Performance Attribution vs. S&P 500

Sector	Beginning Weight				Ending Weight				Average Weight	
	Consolidated	SPX	+/-	Consolidated	SPX	+/-	Consolidated	SPX	+/-	
Basic Materials	0.00%	2.50%	-2.50%	0.00%	2.67%	-2.67%	0.00%	2.64%	-2.64%	
Consumer Cyclicals	0.00%	10.92%	-10.92%	0.00%	11.08%	-11.08%	0.00%	10.94%	-10.94%	
Consumer Non-Cyc	0.00%	7.33%	-7.33%	0.00%	7.35%	-7.35%	0.00%	7.37%	-7.37%	
Energy	0.00%	4.93%	-4.93%	0.00%	4.90%	-4.90%	0.00%	4.92%	-4.92%	
Financials	78.27%	12.88%	65.39%	78.72%	12.70%	66.02%	78.53%	12.90%	65.63%	
Fund Cash	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Healthcare	0.00%	13.94%	-13.94%	0.00%	13.92%	-13.92%	0.00%	13.92%	-13.92%	
Industrials	0.00%	10.22%	-10.22%	0.00%	10.15%	-10.15%	0.00%	10.25%	-10.25%	
Real Estate	0.00%	3.19%	-3.19%	0.00%	3.17%	-3.17%	0.00%	3.15%	-3.15%	
Technology	0.00%	20.34%	-20.34%	0.00%	20.52%	-20.52%	0.00%	20.50%	-20.50%	
Telecomm	0.00%	10.32%	-10.32%	0.00%	10.16%	-10.16%	0.00%	10.02%	-10.02%	
Utilities	0.00%	3.42%	-3.42%	0.00%	3.37%	-3.37%	0.00%	3.38%	-3.38%	
Cash	7.30%	0.00%	7.30%	6.99%	0.00%	6.99%	7.07%	0.00%	7.07%	
Unclassified	14.43%	0.00%	14.43%	14.29%	0.00%	14.29%	14.40%	0.00%	14.40%	

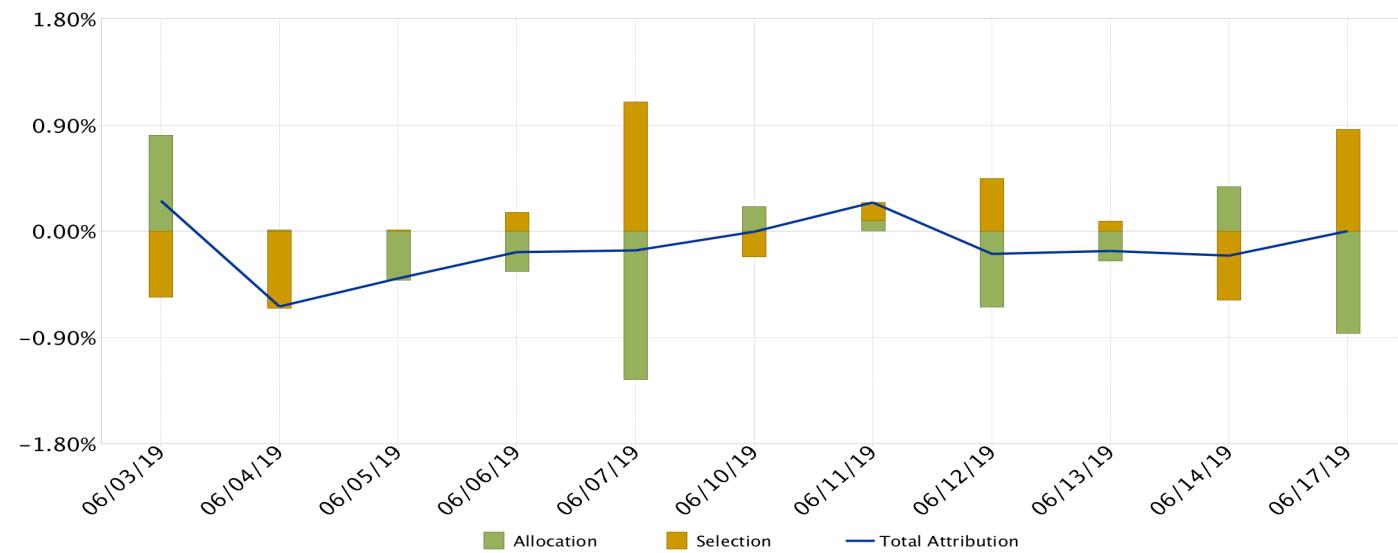
Sector	Period Return				Contribution to Return				Attribution Effect		
	Consolidated	SPX	+/-	Consolidated	SPX	+/-	Allocation	Selection	Total		
Basic Materials	0.00%	11.63%	-11.63%	0.00%	0.30%	-0.30%	-0.30%	0.00%	-0.30%		
Consumer Cyclicals	0.00%	6.48%	-6.48%	0.00%	0.71%	-0.71%	-0.71%	0.00%	-0.71%		
Consumer Non-Cyc	0.00%	5.46%	-5.46%	0.00%	0.40%	-0.40%	-0.40%	0.00%	-0.40%		
Energy	0.00%	4.60%	-4.60%	0.00%	0.23%	-0.23%	-0.23%	0.00%	-0.23%		
Financials	4.29%	3.62%	0.67%	3.35%	0.47%	2.88%	1.03%	0.35%	1.38%		
Fund Cash	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Healthcare	0.00%	4.87%	-4.87%	0.00%	0.68%	-0.68%	-0.68%	0.00%	-0.68%		
Industrials	0.00%	4.24%	-4.24%	0.00%	0.44%	-0.44%	-0.44%	0.00%	-0.44%		
Real Estate	0.00%	4.48%	-4.48%	0.00%	0.14%	-0.14%	-0.14%	0.00%	-0.14%		
Technology	0.00%	5.95%	-5.95%	0.00%	1.20%	-1.20%	-1.20%	0.00%	-1.20%		
Telecomm	0.00%	3.39%	-3.39%	0.00%	0.33%	-0.33%	-0.33%	0.00%	-0.33%		
Utilities	0.00%	3.90%	-3.90%	0.00%	0.13%	-0.13%	-0.13%	0.00%	-0.13%		
Cash	-0.86%	0.00%	-0.86%	-0.06%	0.00%	-0.06%	0.00%	-0.06%	-0.06%		
Unclassified	2.66%	0.00%	2.66%	0.38%	0.00%	0.38%	0.00%	0.31%	0.31%		
<b>Total</b>				<b>3.68%</b>	<b>5.11%</b>	<b>-1.43%</b>	<b>-2.25%</b>	<b>0.82%</b>	<b>-1.43%</b>		

## Performance Attribution vs. S&P 500 (Cont.)

### Cumulative Attribution Effect

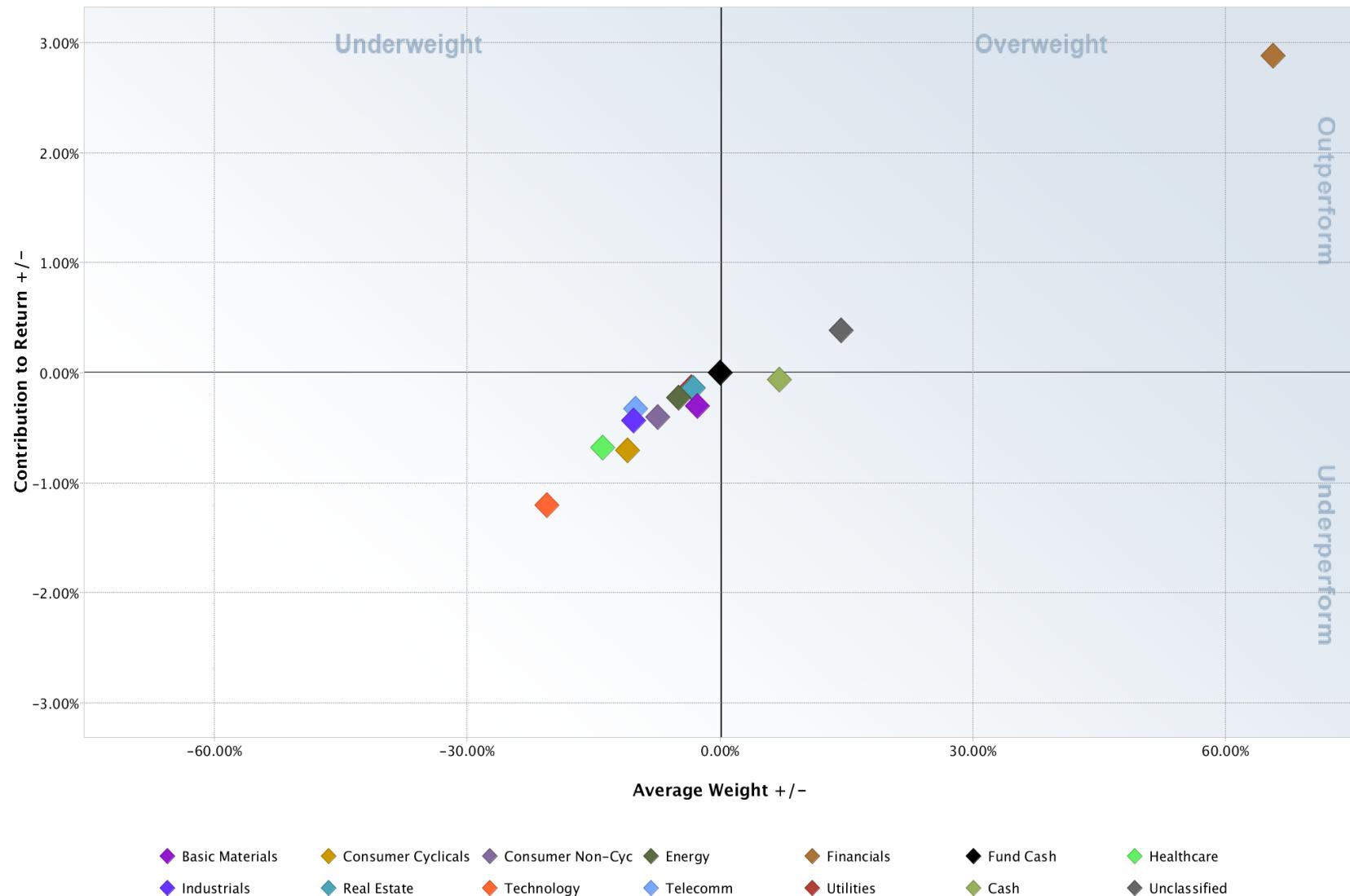


### Attribution Effect

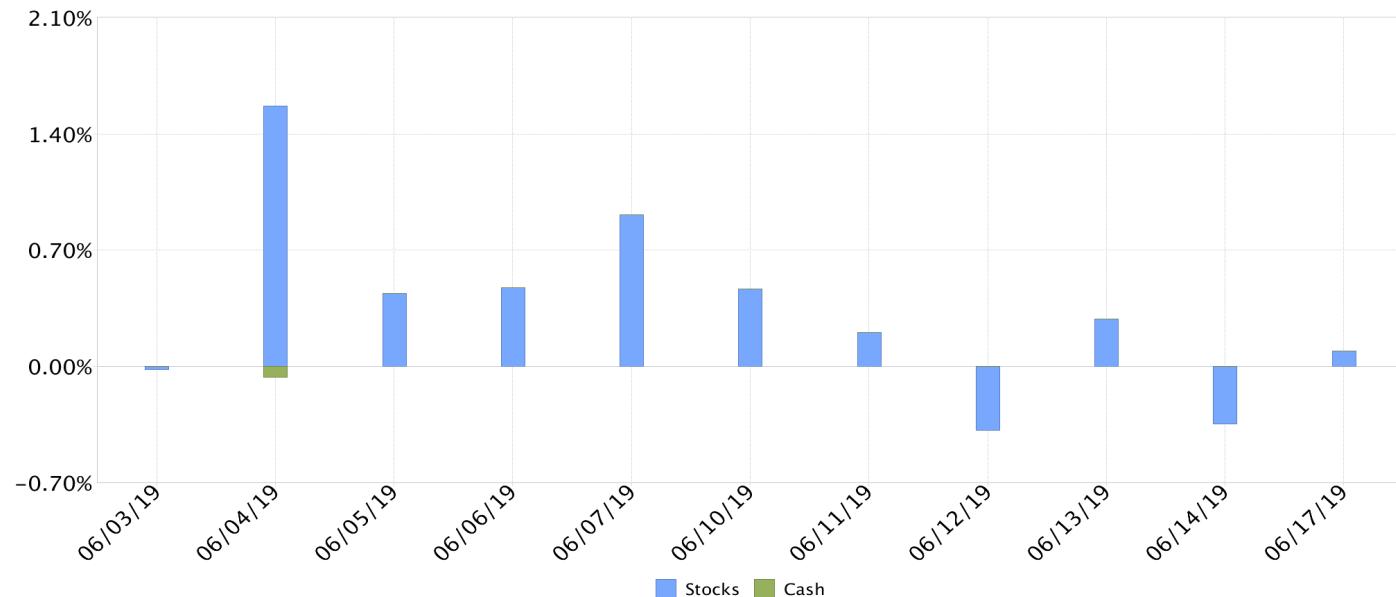


## Performance Attribution vs. S&P 500 (Cont.)

### Weighting Effects

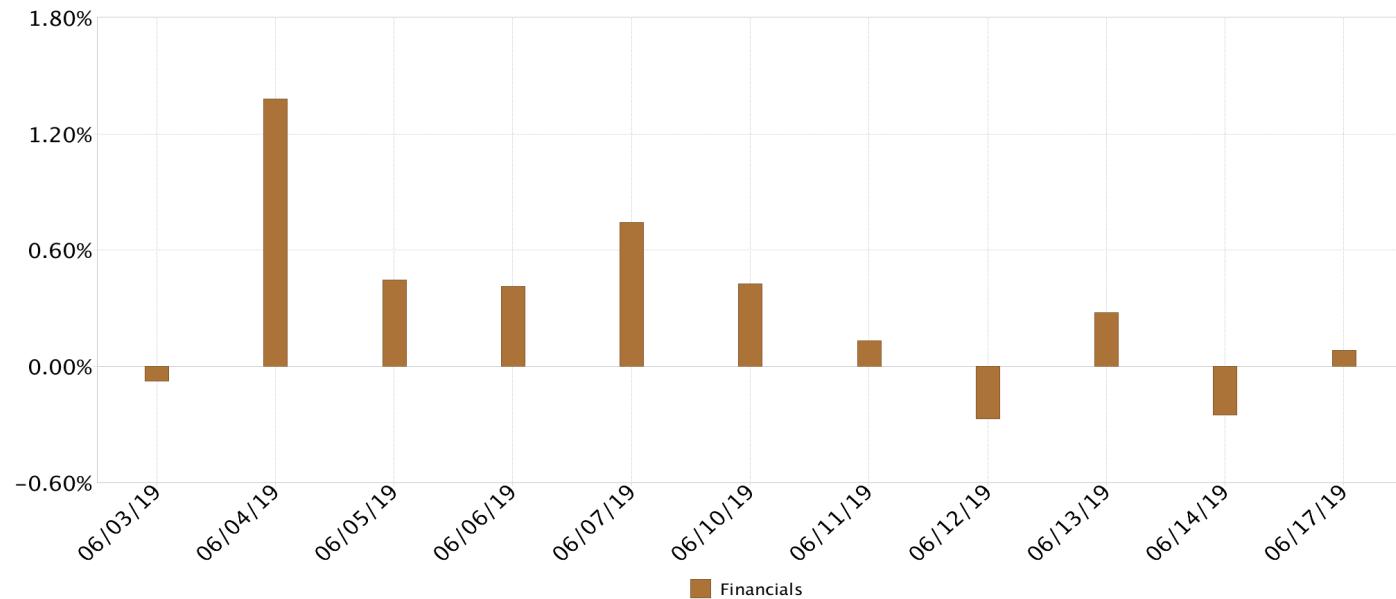


## Performance by Financial Instrument



Date	Stocks	Cash
06/03/19	-0.02%	0.00%
06/04/19	1.57%	-0.06%
06/05/19	0.44%	0.00%
06/06/19	0.47%	0.00%
06/07/19	0.91%	0.00%
06/10/19	0.47%	0.00%
06/11/19	0.20%	0.00%
06/12/19	-0.38%	0.00%
06/13/19	0.29%	0.00%
06/14/19	-0.35%	0.00%
06/17/19	0.09%	0.00%
<b>Total</b>	<b>3.75%</b>	<b>-0.06%</b>

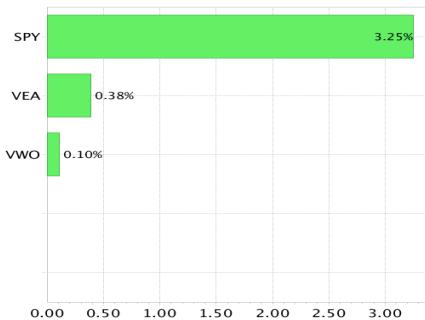
## Performance by Sector



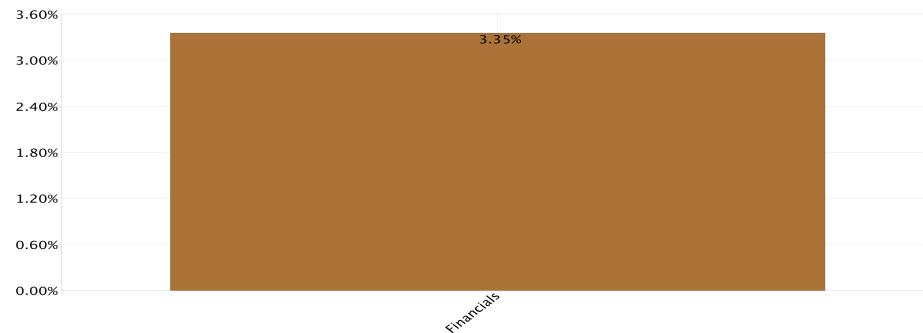
Date	Financials
06/03/19	-0.07%
06/04/19	1.38%
06/05/19	0.45%
06/06/19	0.41%
06/07/19	0.74%
06/10/19	0.43%
06/11/19	0.13%
06/12/19	-0.27%
06/13/19	0.28%
06/14/19	-0.25%
06/17/19	0.08%
<b>Total</b>	<b>3.35%</b>

# Performance by Symbol

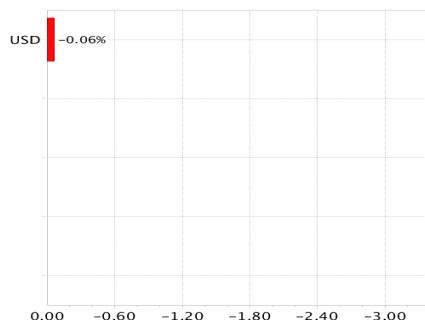
## Top 3 Contributors



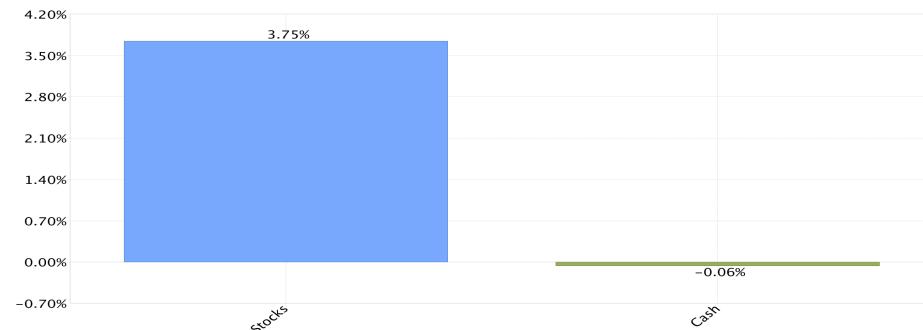
## Contribution by Sector



## Bottom 1 Contributor



## Contribution by Financial Instrument



Symbol	Description	Sector	Avg Weight	Return	Contribution	Unrealized P&L	Realized P&L	Open
<b>Stocks</b>								
SPY	SPDR S&P 500 ETF TRUST	Financials	64.06%	5.12%	3.25%	2,302.63	0.00	Yes
VEA	VANGUARD FTSE DEVELOPED ETF	Unclassified	14.40%	2.66%	0.38%	-209.81	0.00	Yes
VWO	VANGUARD FTSE EMERGING MARKE	Financials	14.47%	0.71%	0.10%	-293.91	0.00	Yes
<b>Total Stocks</b>			<b>92.93%</b>	<b>4.04%</b>	<b>3.75%</b>	<b>1,798.91</b>	<b>0.00</b>	
<b>Cash</b>								
USD	United States Dollar	Cash	7.07%	-0.86%	-0.06%			Yes
<b>Total Cash</b>			<b>7.07%</b>	<b>-0.86%</b>	<b>-0.06%</b>			
<b>Total</b>			<b>100.00%</b>	<b>3.68%</b>	<b>3.68%</b>	<b>1,798.91</b>	<b>0.00</b>	

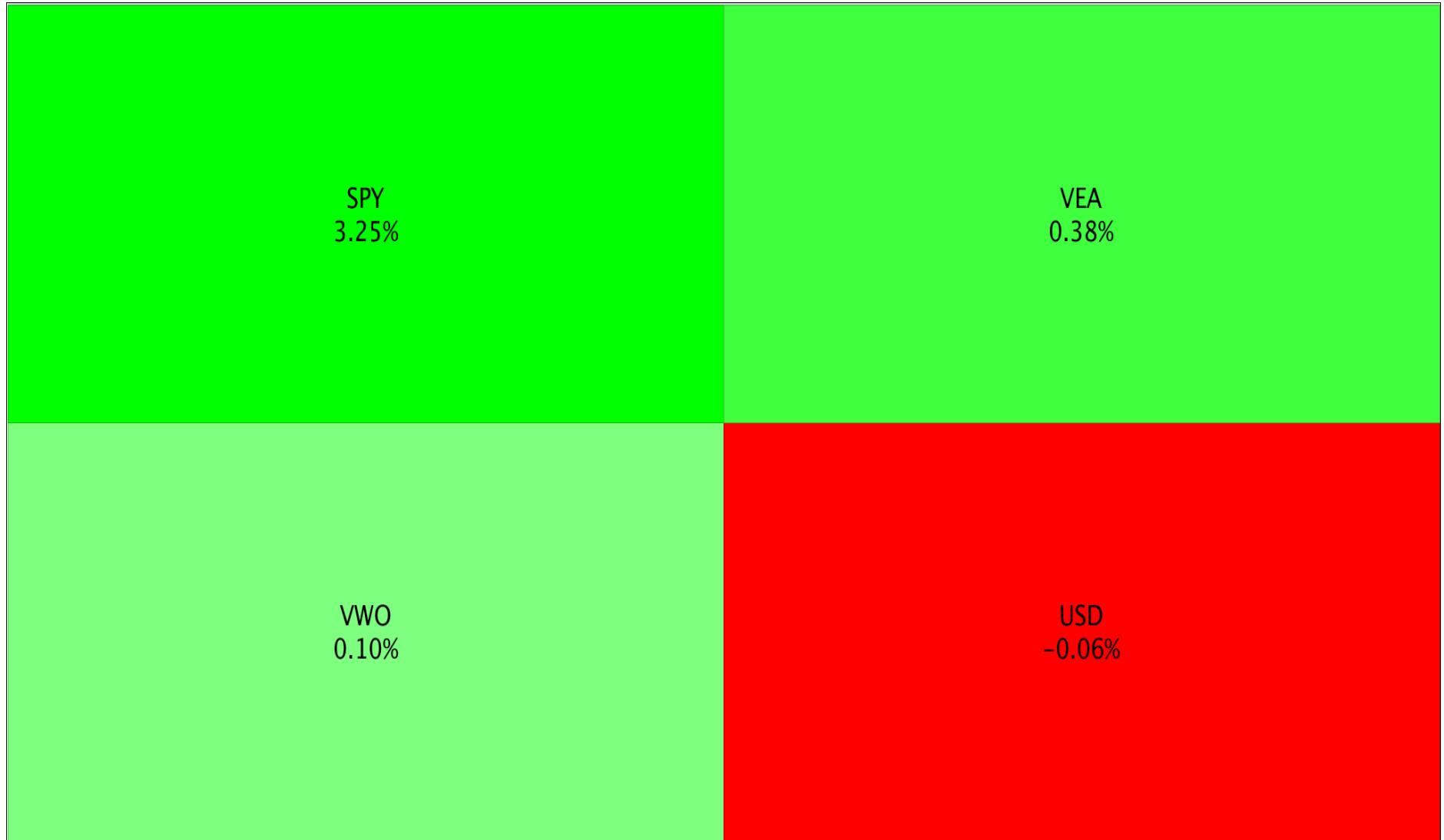
## Performance by **Symbol** (Cont.)

Sector Composition Heat Map



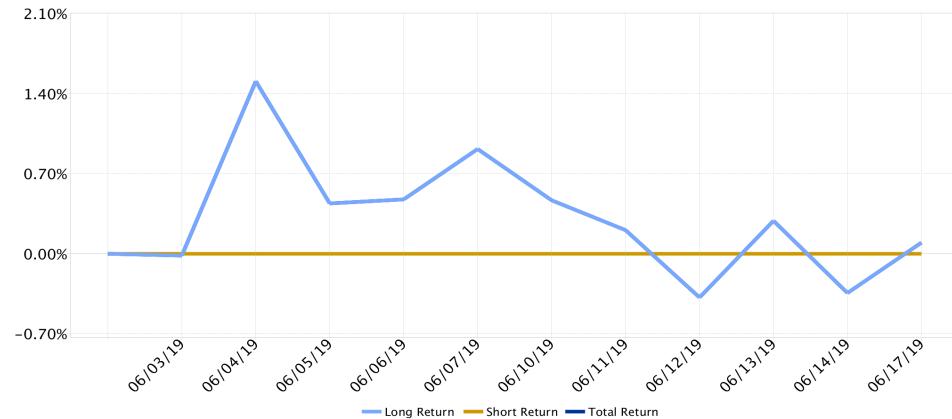
## Performance by **Symbol** (Cont.)

Portfolio Heat Map

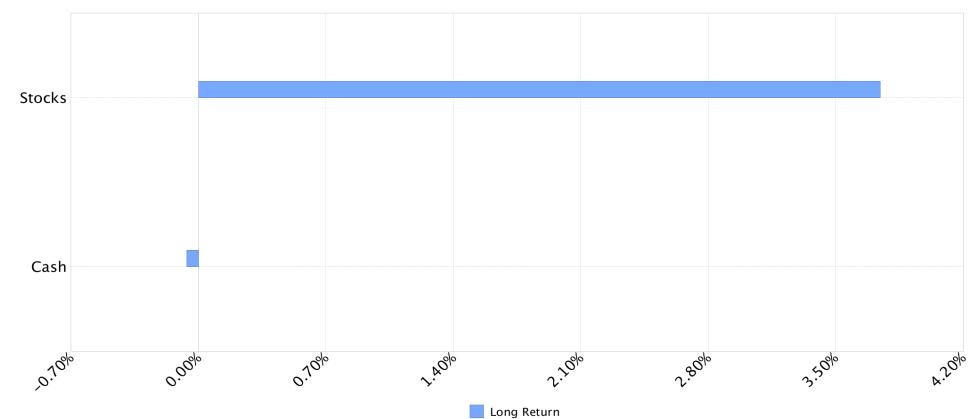


## Performance by Long & Short

L & S Performance Comparison



L & S Performance By Financial Instrument Comparison



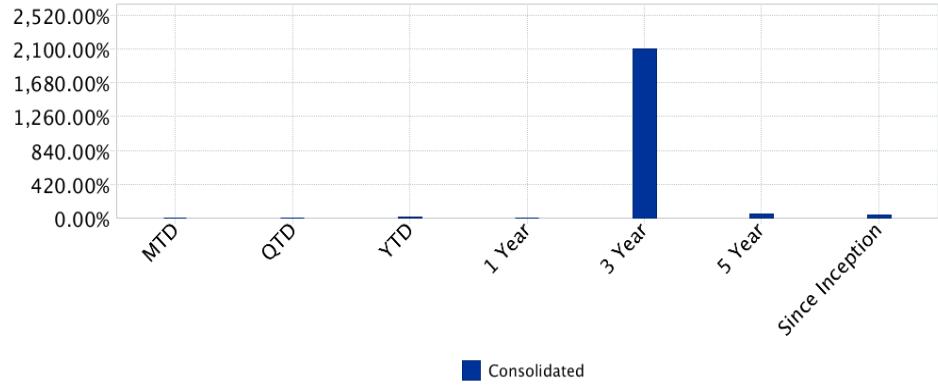
### Long Positions

Symbol	Description	Financial Instrument	Contribution to Return	Unrealized P&L	Realized P&L	Open
<b>Financials</b>						
SPY	SPDR S&P 500 ETF TRUST	Stocks	3.25%	2,302.63	0.00	Yes
VWO	VANGUARD FTSE EMERGING MARKE	Stocks	0.10%	-293.91	0.00	Yes
<b>Total Financials</b>			<b>3.35%</b>	<b>2,008.72</b>	<b>0.00</b>	
<b>Cash</b>						
USD	United States Dollar	Cash	-0.06%			Yes
<b>Total Cash</b>			<b>-0.06%</b>			
<b>Unclassified</b>						
VEA	VANGUARD FTSE DEVELOPED ETF	Stocks	0.38%	-209.81	0.00	Yes
<b>Total Unclassified</b>			<b>0.38%</b>	<b>-209.81</b>	<b>0.00</b>	
<b>Total Long</b>			<b>3.69%</b>	<b>1,798.91</b>	<b>0.00</b>	
<b>Total</b>			<b>3.68%</b>	<b>1,798.91</b>	<b>0.00</b>	

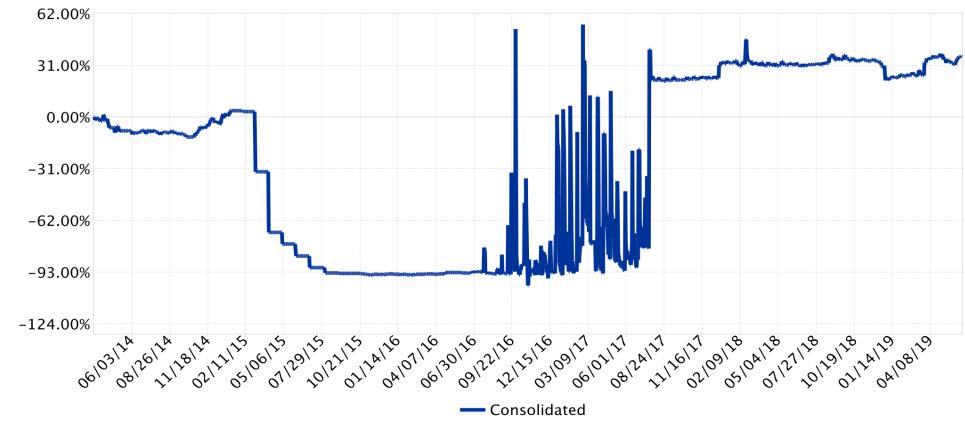
## Historical Performance

Since Inception: March 12, 2014 to June 17, 2019

### History



### Since Inception



	MTD	QTD	YTD	1 Year	3 Year	5 Year	Since Inception
Consolidated	3.57%	1.44%	10.42%	3.52%	2,105.22%	50.39%	35.96%

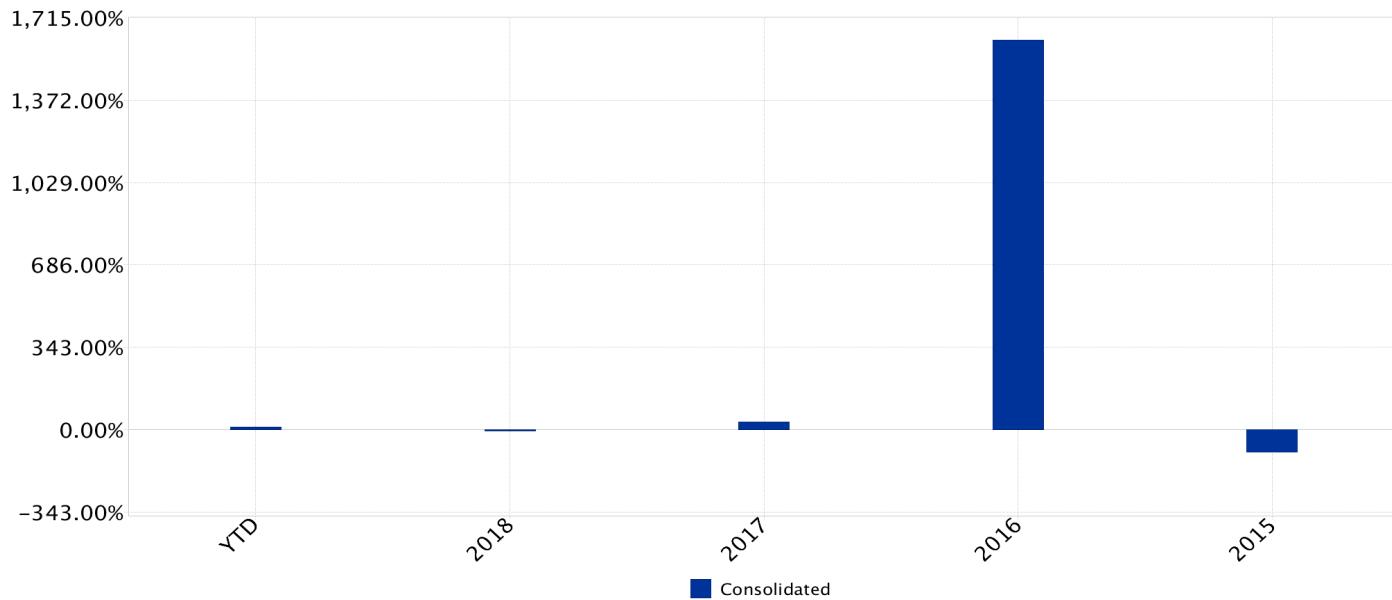
## Historical Performance (Cont.)

	2018	2017	2016	2015	2014
January	0.94%	-15.84%	-3.99%	3.37%	N/A
February	-0.14%	10.82%	-1.81%	-0.56%	N/A
March	-0.66%	18.60%	3.96%	-35.12%	N/A
April	-0.98%	2.93%	16.42%	-54.14%	-5.65%
May	0.52%	-52.14%	-1.04%	-22.85%	-1.64%
June	-0.63%	45.56%	6.36%	-29.62%	-0.10%
July	0.85%	54.78%	-7.29%	-42.08%	-2.15%
August	3.48%	-1.94%	167.09%	-32.86%	2.01%
September	0.10%	0.29%	772.09%	-5.34%	-2.46%
October	-2.29%	1.23%	-90.53%	-5.81%	5.23%
November	0.38%	-0.02%	32.13%	-3.33%	5.93%
December	-8.31%	6.86%	430.64%	5.27%	0.89%

### Quarterly

	2018	2017	2016	2015	2014
Q1	0.12%	10.61%	-2.00%	-33.31%	N/A
Q2	-1.10%	-28.29%	22.54%	-75.10%	-7.28%
Q3	4.47%	52.21%	2,059.47%	-63.20%	-2.64%
Q4	-10.08%	8.15%	-33.57%	-4.15%	12.46%

## Historical Performance (Cont.)

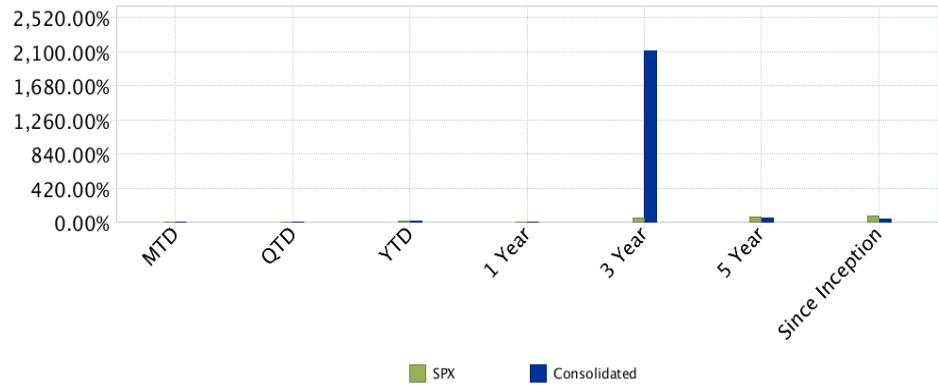


	YTD	2018	2017	2016	2015
Consolidated	10.42%	-6.97%	30.57%	1,622.71%	-94.14%

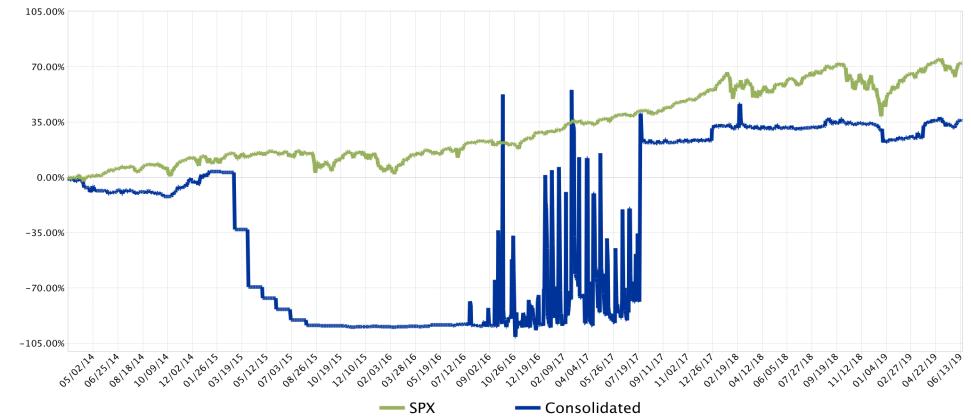
# Historical Performance Benchmark Comparison

Since Inception: March 12, 2014 to June 17, 2019

## History



## Since Inception



	MTD	QTD	YTD	1 Year	3 Year	5 Year	Since Inception
SPX	5.11%	2.42%	16.40%	6.06%	47.70%	65.24%	72.38%
Consolidated	3.57%	1.44%	10.42%	3.52%	2,105.22%	50.39%	35.96%

## Historical Performance Benchmark Comparison (Cont.)

### Monthly

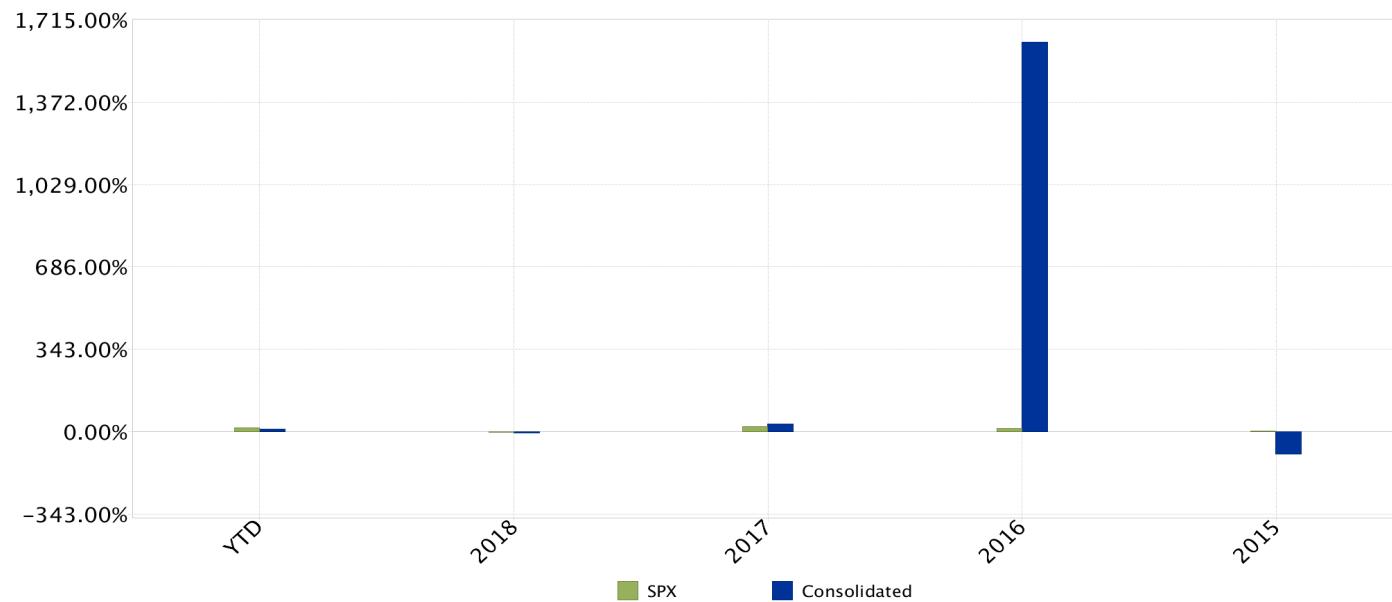
	2018		2017		2016		2015		2014	
%	SPX	Con..	SPX	Con..	SPX	Con..	SPX	Con..	SPX	Con..
Jan	5.72	0.94	1.90	-15.84	-4.96	-3.99	-3.00	3.37	N/A	N/A
Feb	-3.69	-0.14	3.97	10.82	-0.13	-1.81	5.75	-0.56	N/A	N/A
Mar	-2.54	-0.66	0.12	18.60	6.78	3.96	-1.58	-35.12	N/A	N/A
Apr	0.38	-0.98	1.03	2.93	0.39	16.42	0.96	-54.14	0.74	-5.65
May	2.41	0.52	1.41	-52.14	1.80	-1.04	1.29	-22.85	2.35	-1.64
Jun	0.62	-0.63	0.62	45.56	0.26	6.36	-1.94	-29.62	2.07	-0.10
Jul	3.72	0.85	2.06	54.78	3.69	-7.29	2.10	-42.08	-1.38	-2.15
Aug	3.26	3.48	0.31	-1.94	0.14	167.09	-6.03	-32.86	4.00	2.01
Sep	0.57	0.10	2.06	0.29	0.02	772.09	-2.47	-5.34	-1.40	-2.46
Oct	-6.84	-2.29	2.33	1.23	-1.82	-90.53	8.44	-5.81	2.44	5.23
Nov	2.04	0.38	3.07	-0.02	3.70	32.13	0.30	-3.33	2.69	5.93
Dec	-9.04	-8.31	1.10	6.86	1.97	430.64	-1.59	5.27	-0.26	0.89

## Historical Performance Benchmark Comparison (Cont.)

Quarterly

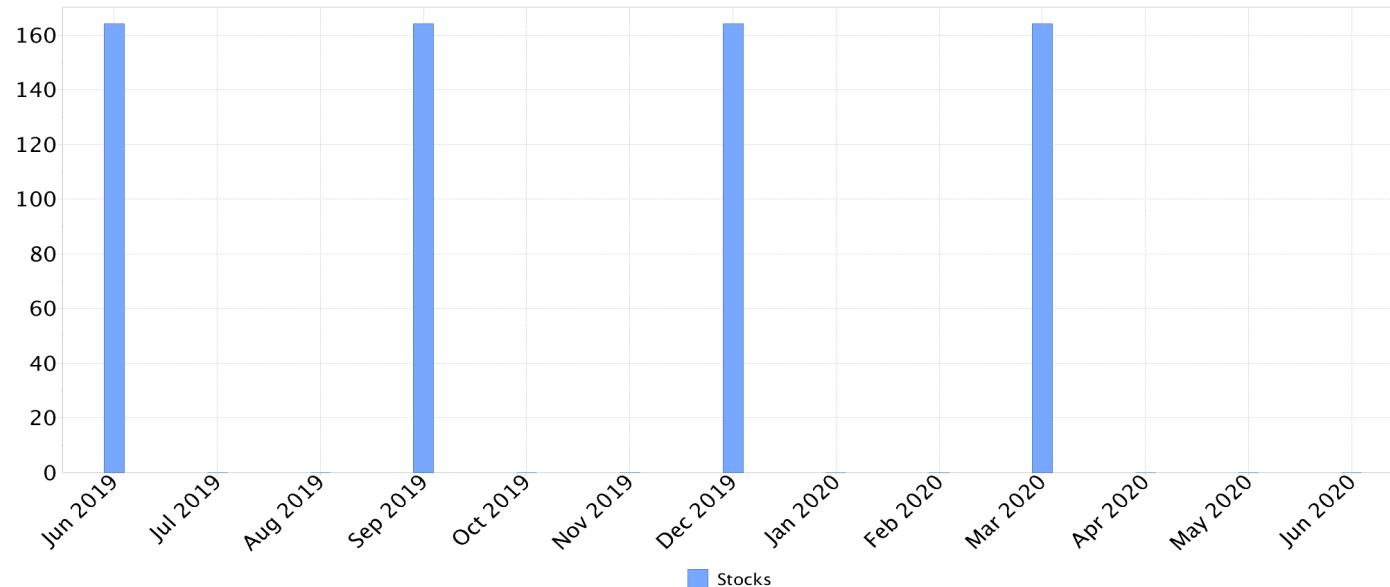
	2018		2017		2016		2015		2014	
%	SPX	Con..	SPX	Con..	SPX	Con..	SPX	Con..	SPX	Con..
Q1	-0.76	0.12	6.07	10.61	1.35	-2.00	0.95	-33.31	N/A	N/A
Q2	3.43	-1.10	3.09	-28.29	2.46	22.54	0.28	-75.10	5.23	-7.28
Q3	7.71	4.47	4.48	52.21	3.85	2,059.47	-6.44	-63.20	1.13	-2.64
Q4	-13.53	-10.08	6.64	8.15	3.82	-33.57	7.03	-4.15	4.93	12.46

## Historical Performance Benchmark Comparison (Cont.)



	YTD	2018	2017	2016	2015
SPX	16.40%	-4.39%	21.82%	11.95%	1.37%
Consolidated	10.42%	-6.97%	30.57%	1,622.71%	-94.14%

## Projected Income



Symbol	Description	Frequency	Quantity	Price	Value	Current Yield %	Estimated Annual Income
<b>Stocks</b>							
SPY	SPDR S&P 500 ETF TRUST	4	65	289.37	18,809.05	1.72	323.85
VEA	VANGUARD FTSE DEVELOPED ETF	4	102	40.45	4,125.90	5.34	220.40
VWO	VANGUARD FTSE EMERGING MARKE	4	102	40.65	4,146.30	2.70	112.00
<b>Total</b>					<b>27,081.25</b>	<b>2.42</b>	<b>656.25</b>

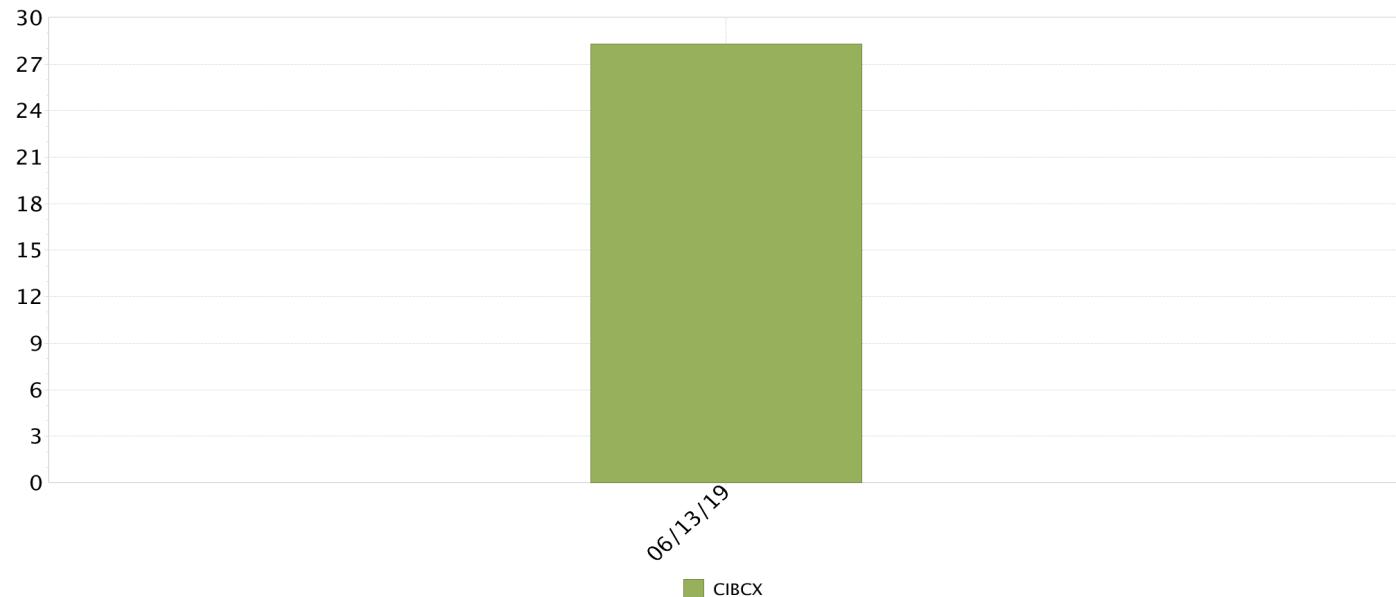
## Trade Summary

Symbol	Description	Sector	Bought		Sold			Proceeds
			Quantity	Average Price	Quantity	Average Price	Proceeds	
Funds								
USD								
CIBCX	AMERICAN FUNDS CAPITAL INCOME BUIL...	Unclassified	0.467	60.62	-28.31	0	0.00	0.00
<b>Total</b>					<b>-28.31</b>			<b>0.00</b>

## Deposits and Withdrawals

Date	Account	Type	Description	Amount
06/03/2019	Chase Bank	Withdrawal	Payment to Chase card	-15.14
06/03/2019	Chase Bank	Withdrawal	Payment to Chase card	-500.01
06/03/2019	Chase Bank	Withdrawal	CITI CARD ONLINE PAYMENT	-688.80
06/03/2019	Chase Bank	Withdrawal	AMERICAN EXPRESS ACH PMT	-0.03
06/06/2019	Chase Bank	Withdrawal	Payment to Chase card	-34.96
06/06/2019	Chase Bank	Withdrawal	AMERICAN EXPRESS ACH PMT	-150.00
06/06/2019	Chase Bank	Withdrawal	AMERICAN EXPRESS ACH PMT	-20.75
06/07/2019	Chase Bank	Withdrawal	CITI AUTOPAY PAYMENT	-25.00
06/10/2019	Chase Bank	Withdrawal	AMERICAN EXPRESS ACH PMT	-1.00
06/13/2019	Chase Bank	Withdrawal	Payment to Chase card	-11.10
06/13/2019	Chase Bank	Withdrawal	Payment to Chase card	-37.69
06/13/2019	Chase Bank	Withdrawal	CITI CARD ONLINE PAYMENT	-122.61
06/14/2019	Chase Bank	Deposit	PRICEWATERHOUSEC DIRECT DEP	1,661.22
06/14/2019	Chase Bank	Deposit	PRICEWATERHOUSEC DIRECT DEP	14.41
06/14/2019	Chase Bank	Withdrawal	Payment to Chase card	-327.79
06/14/2019	Chase Bank	Withdrawal	AMERICAN EXPRESS ACH PMT	-690.98
06/14/2019	Chase Bank	Withdrawal	AMERICAN EXPRESS ACH PMT	-400.00
<b>Total</b>				<b>-1,350.23</b>

## Dividends



Pay Date	Ex-Date	Account	Symbol	Quantity	Dividend Per Share	Amount
06/13/19	N/A	TD Ameritrade	CIBCX	N/A	N/A	28.31
<b>Total</b>						<b>28.31</b>

## Fee Summary

Date	Account	Description	Amount
06/04/2019	Interactive Brokers	Balance of Monthly Minimum Fee For May 2019	-3.00
06/04/2019	Interactive Brokers	Balance of Monthly Minimum Fee for Jun 2019	-4.50
06/04/2019	Interactive Brokers	Monthly Fee for Jun 2019	-10.00
<b>Total</b>			<b>-17.50</b>

## Notes

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1. The Net Asset Value (NAV) consists of all positions by financial instrument (stock, securities options, warrants, bonds, cash, etc.). All non-base currency amounts are converted to the base currency at the close of period rate.
2. The deposit/withdrawal amount displayed in the Account Overview report includes internal transfers along with cash and position transfers.
3. The gain or loss for future contracts settle into cash each night. The notional value is used when computing the contribution to return.
4. Dividend accruals, interest accruals and insured deposits are included in cash amounts throughout the report.
5. Price valuations are obtained from outside parties. Interactive Brokers shall have no responsibility for the accuracy or timeliness of any such price valuation.
6. The Allocation by Sector report includes only the following financial instruments; stocks (except ETFs) and options. All other financial instruments are included in Unclassified sector.
7. Amounts are formatted to two decimal places. If amounts are greater than two decimal places, Interactive Brokers uses "half-even" rounding. This means that Interactive Brokers rounds such amounts up to the nearest even number.
8. As of December 31, 2018 the average historical annual return including dividends since inception of the S&P 500 was 7.51%. This rate is used to calculate the downside deviation and the Sortino ratio.
9. As of December 31, 2018 the US 3 Month Treasury Bill was 2.40%. This was the risk free rate used to calculate Alpha ( $\alpha$ ) and the Sharpe ratio.
10. The mean return is the average TWR for the period.
11. Historical SPX dividend data in the Performance Attribution report may be modeled from sector compositions that are subject to change.
12. Frongello is the method used for mathematical smoothing in the Performance Attribution report. It has been developed by Andrew Scott Bay Frongello.
13. The Performance Attribution vs. S&P 500 report is available from 2019 on.
14. For accounts opened and funded before 2009, reports with a time period of Since Inception will include data going back to January 1, 2009. This includes some default reports and both Historical Performance reports.
15. The Modified Dietz method is used to calculate MWR. This method only values the portfolio at the start and end of the period and weights the cash flows. When large flows occur, its accuracy can diminish.
16. The Estimated Annual Dividend in the Dividends report and Estimated Annual Income in the Projected Income report assume dividend and bond payments remain constant throughout the year. These positions and interest rates are based on the previous business day.
17. We use Thomson Reuters Business Classifications for our sector data.

## Notes (Cont.)

### Supported Account Types by Report

Report	Brokerage	Bank	Credit Card	Other Assets	Other Liabilities
<b>Standard Reports</b>					
Account Overview	.	.	.	.	.
Breakdown of Accounts	.	.	.	.	.
Open Position Summary	.	.			
Time Period Performance Statistics	.	.		.	.
Time Period Benchmark Comparison	.	.		.	.
Cumulative Performance Statistics	.	.		.	.
Cumulative Benchmark Comparison	.	.		.	.
Risk Measures	.				
Risk Measures Benchmark Comparison	.				
Historical Performance	.	.		.	.
Historical Performance Benchmark Comparison	.	.		.	.
Allocation by Asset Class	.	.	.	.	.
Allocation by Financial Instrument	.	.	.	.	.
Allocation by Region	.				
Allocation by Sector	.				
Trade Summary	.				
Corporate Actions	.				
Interest Details	.	.	.		
Deposits and Withdrawals	.	.			
Dividends	.				
Fee Summary	.	.	.		
<b>Premium Reports</b>					
Performance Attribution vs. S&P 500			Report Not Available for External Accounts		
Performance by Sector			Report Not Available for External Accounts		
Performance by Long & Short			Report Not Available for External Accounts		
Performance by Financial Instrument			Report Not Available for External Accounts		
Performance by Symbol			Report Not Available for External Accounts		
Projected Income			Report Not Available for External Accounts		

# Glossary

## Allocation Effect

The percent effectiveness of an account's financial instrument allocation to various sectors. The allocation effect determines whether the overweighting or underweighting of sectors relative to a benchmark contributes negatively or positively to an account's overall return.

## Alpha ( $\alpha$ )

A ratio that represents risk-adjusted excess returns of the portfolio in comparison to a benchmark.

## Attribution Effect

The percent effectiveness of financial instrument allocation and selection of securities on the portfolio's performance when compared to the performance of a benchmark over a specified time period.

## Benchmark

A standard against which the performance of your portfolio can be measured.

## Beta ( $\beta$ )

A ratio that represents volatility or systematic risk of the portfolio in comparison to a benchmark.

## Calmar Ratio

A ratio used to determine return versus drawdown risk.

## Contribution To Return

The percent contribution of certain portfolio constituents (symbols, sectors) to the account's overall return.

## Correlation

A statistical figure that measures the interdependence between the range of returns for a specified benchmark(s) and your portfolio. A positive correlation exemplifies a strong relationship whereas a negative correlation exemplifies a weak relationship.

## Cumulative Return

Geometric linking of single period returns. Cumulative return is presented as a percentage.

## Downside Deviation

The standard deviation for all negative returns in your portfolio in the specific time period.

## Financial Instrument

A category of investment products in your portfolio. Cash, stocks, options, futures, etc. are examples.

## Information Ratio

The risk-adjusted returns of a portfolio relative to a benchmark.

## Max Drawdown

The largest cumulative percentage decline in the Net Asset Value of your portfolio from the highest or peak value to the lowest or trough value after the peak.

## Mean Return

The average time weighted return of your portfolio for a specified time period.

## Money Weighted Return (MWR)

Money Weighted Return (MWR) is used to measure performance during the specified report period. MWR is influenced by the time of decisions to contribute or to withdraw funds, as well as the decisions made by the portfolio manager of the fund.

## Negative Periods

The number of occurrences of negative performance returns. For example, if you select a monthly report with 12 months, each month with a negative return would be a negative occurrence.

## Net Asset Value (NAV)

The total value of your account.

## Peak-To-Valley

The time period during which the Max Drawdown (largest cumulative percentage decline in the NAV) occurred.

## Period Return

A performance measure that calculates the return you have received over a period of time.

## Positive Periods

The number of occurrences of positive performance returns. For example, if you select a monthly report with 12 months, each month with a positive return would be a positive occurrence.

## Glossary (Cont.)

### Recovery

The time it took for the NAV of your account to recover from the valley (lowest NAV) back to the peak (highest NAV).

### Sector

A firm's general area of business. Financials, Communications and Energy are all examples of sectors.

### Selection Effect

A percentage that measures the ability to select securities within a sector relative to a benchmark.

### Sharpe Ratio

A ratio that measures the excess return per unit of risk. The ratio is used to characterize how well the return compensates the account holder for the risk taken.

### Sortino Ratio

The ratio measures the risk adjusted return of the account. The ratio penalizes only those returns that fall below the required rate of return.

### Standard Deviation

Standard deviation is a statistical measurement of variability. It shows how much variation or dispersion there is from the average.

### Time Period Return

The return your portfolio has gained or lost for the specific time period. Time period performance is presented as a percentage.

### Time-Weighted Return (TWR)

TWR measures the percent return produced over time independent of contributions or withdrawals. TWR eliminates the impact of the timing of inflows and outflows and isolates the portion of a portfolio's return that is attributable solely to the account's actions.

### Tracking Error

A percentage that represents the deviations of the difference between returns of the portfolio and returns of the benchmark.

### Turnover

A percentage that represents the churn of the portfolio or the percentage of the portfolio holdings that have changed over the analysis period.

### Value-Added Monthly Index (VAMI)

A statistical figure that tracks the daily/monthly/quarterly performance of a hypothetical \$1000 investment.

## Disclosure

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### **IMPORTANT NOTE:**

This portfolio analysis was generated using Interactive Brokers' PortfolioAnalyst tool, which allows Interactive Brokers clients to generate analyses of their accounts using market data provided by third parties along with trade and account data contained in Interactive Brokers' systems. This analysis is for information purposes only and is provided AS IS. Interactive Brokers makes no warranty of any kind, express or implied, as to this report analysis and its contents. The data provided for use in this Portfolio Analysis is believed to be accurate but completeness and accuracy of the information is not guaranteed, and Interactive Brokers has no liability with respect thereto. The data regarding accounts held outside of Interactive Brokers is obtained from the financial institutions holding those accounts through a third-party service provider and Interactive Brokers has not reviewed its accuracy.

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