



# VEGAFUNDS

*Tyler Veitch*

*AJ Fitzgerald*

*James Zinckgraf*

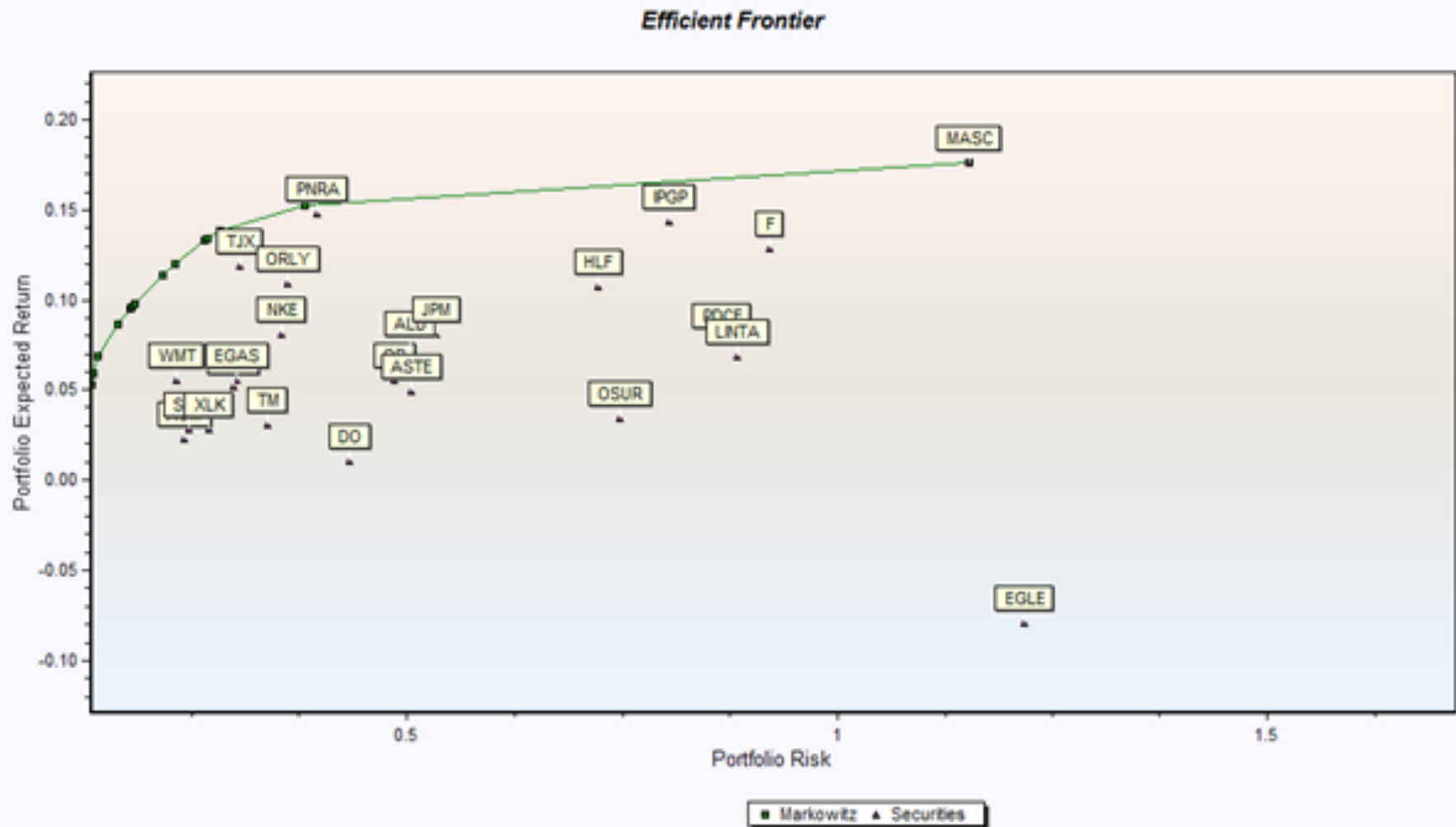
# Investment Objectives

- Six-month investment period
  - Options <4 months
  - Liquid equity
  - Easy adaptability
- Beat the S&P 500
- Overall Return of 48.16%
  - VegaFunds: 0.33% average daily return
  - S&P 500: 0.09% average daily return
  - Unhedged: 0.09% average daily return

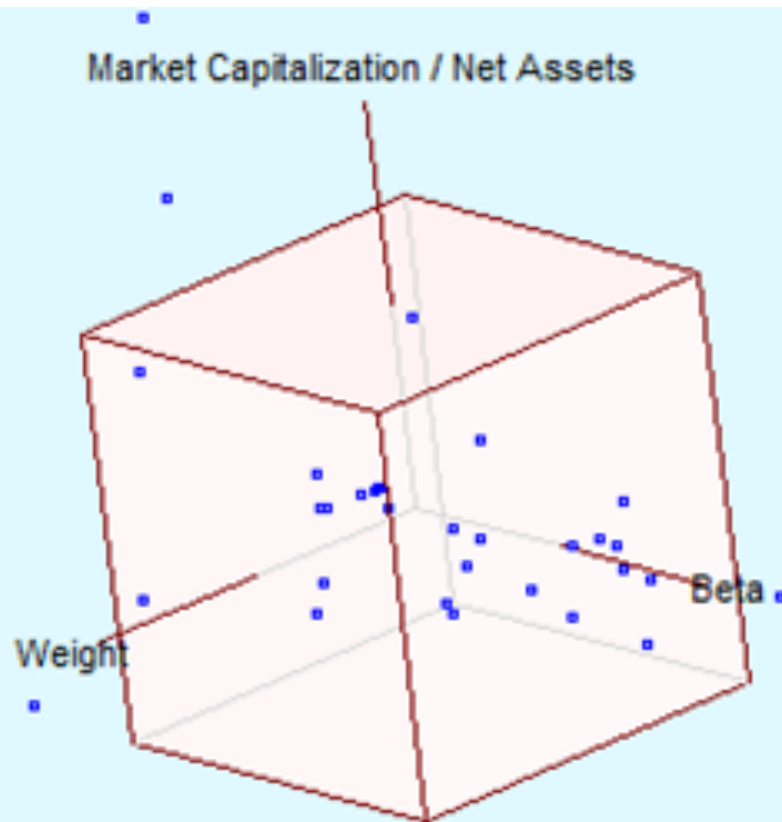
# Risk Factors

- **Small Hedge Fund Risk**
  - Less attractive prime-brokerage arrangements
  - Less favorable borrowing rates
  - Difficulty to attract investors
  - Future growth
- **Sector-specific risks**
  - Wide market cap range
  - Various industries
  - Subject to service industry risk

# Efficient Frontier

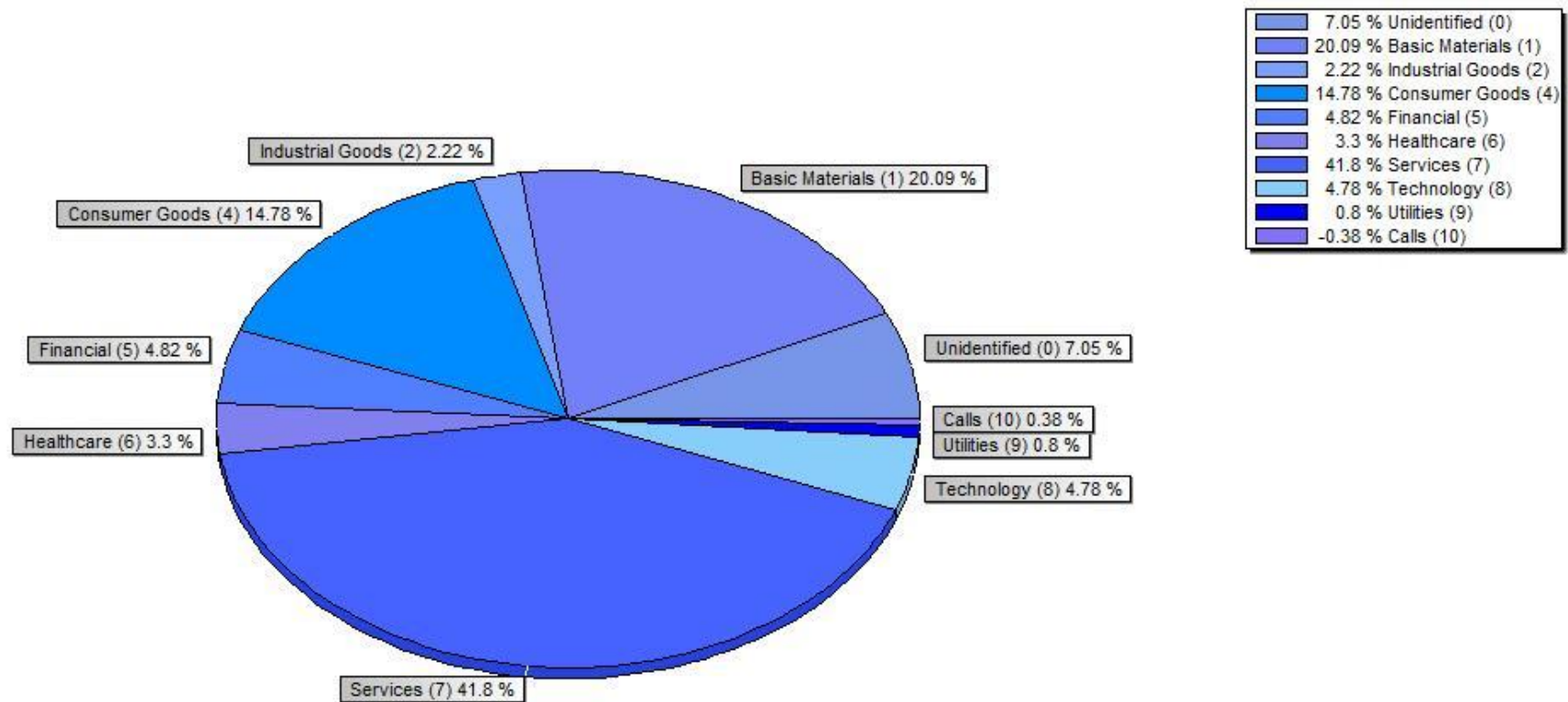


# Beta Depth



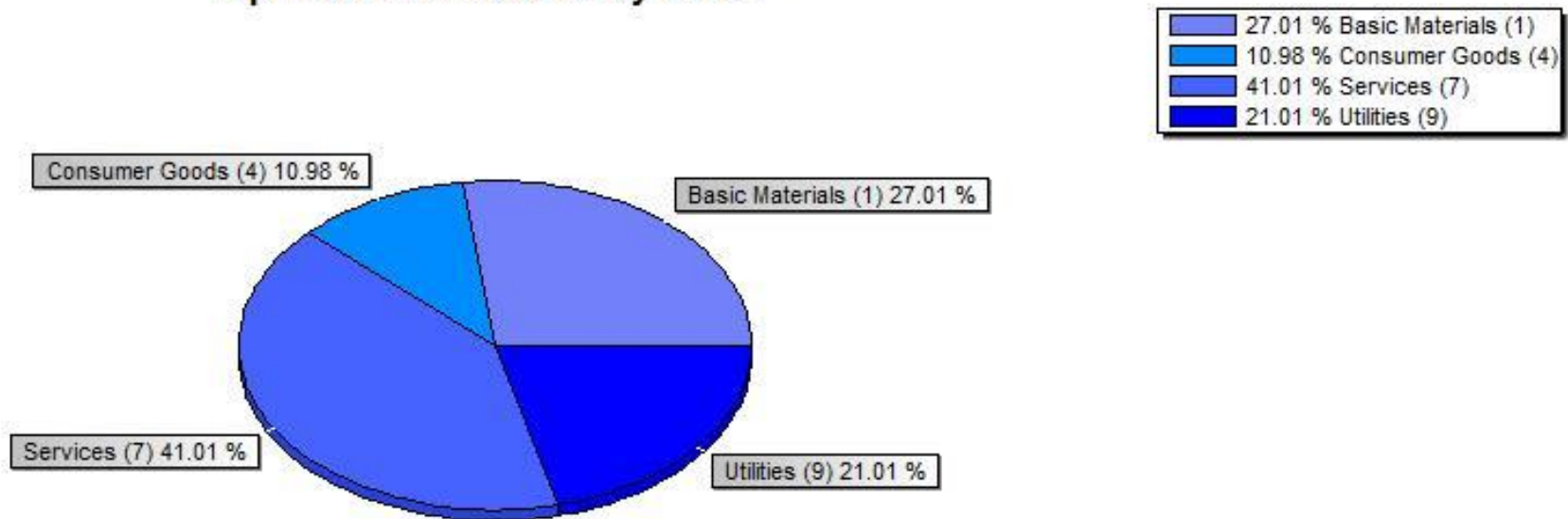
# Sector Composition

Portfolio Value by Sector



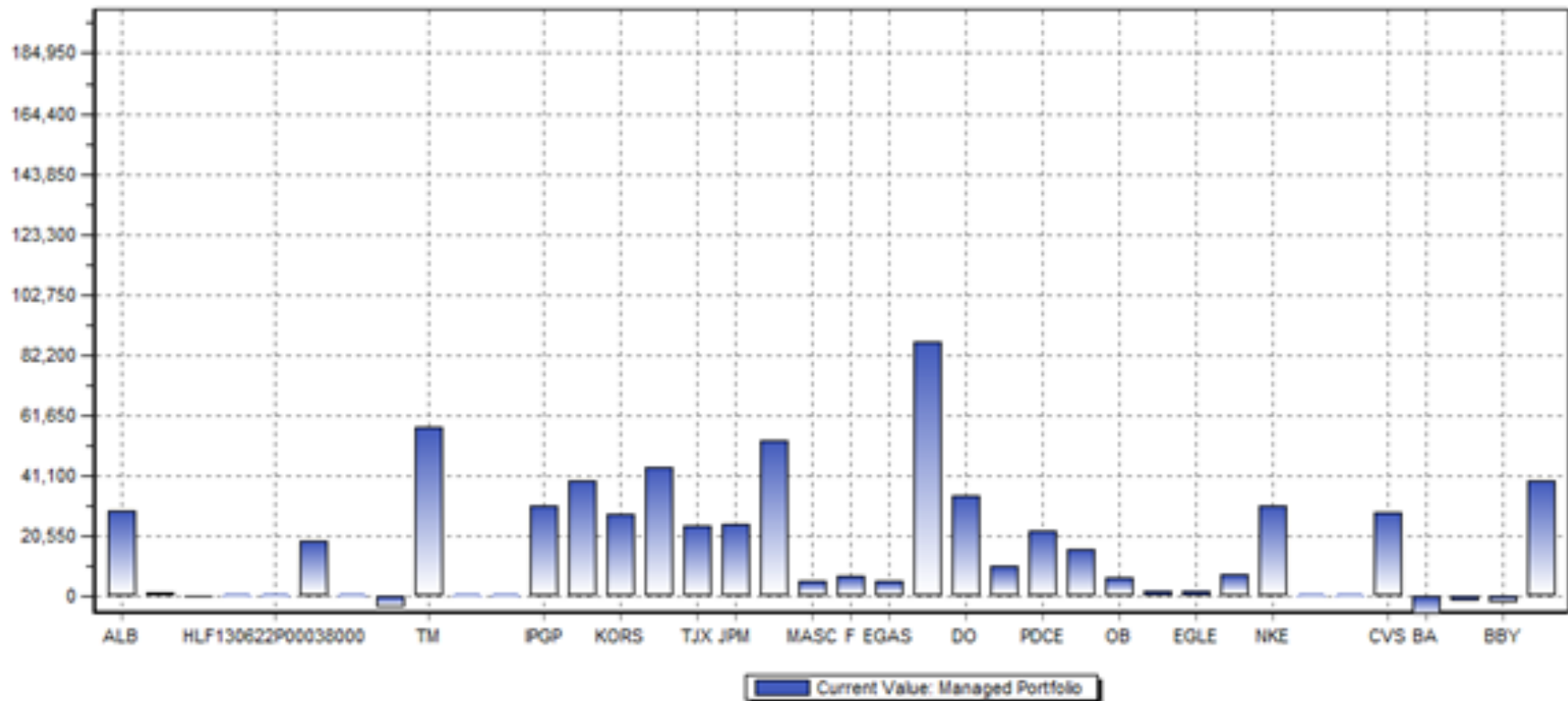
# Optimal Portfolio Composition

Optimal Portfolio Value by Sector



# Equity Composition

Individual Component Value: Managed v/s Optimal





# Micro-Hedges

- Albemarle (ALB): Bear Put
- Herbalife (HLF): Long Straddle
- Toyota (TM): Bull Put
- IPG (IPGP): Error
- CVS (CVS): Long Straddle

# Shorts

- Blackberry (BBRY)  
at \$14.84
- Boeing (BA)  
at \$91.25
- Best Buy (BBY)  
at \$23.71

# Performance Statistics

## Average Daily Returns

VF: 0.33%

S&P 500: 0.09%

## Standard Deviation

VF: 0.83%

S&P 500: 0.77%

## Sharpe

VF: 146.11

S&P 500: 42.24

# Performance Statistics (Cont.)

Treynor

VF: 1.20

S&P 500: 0.32

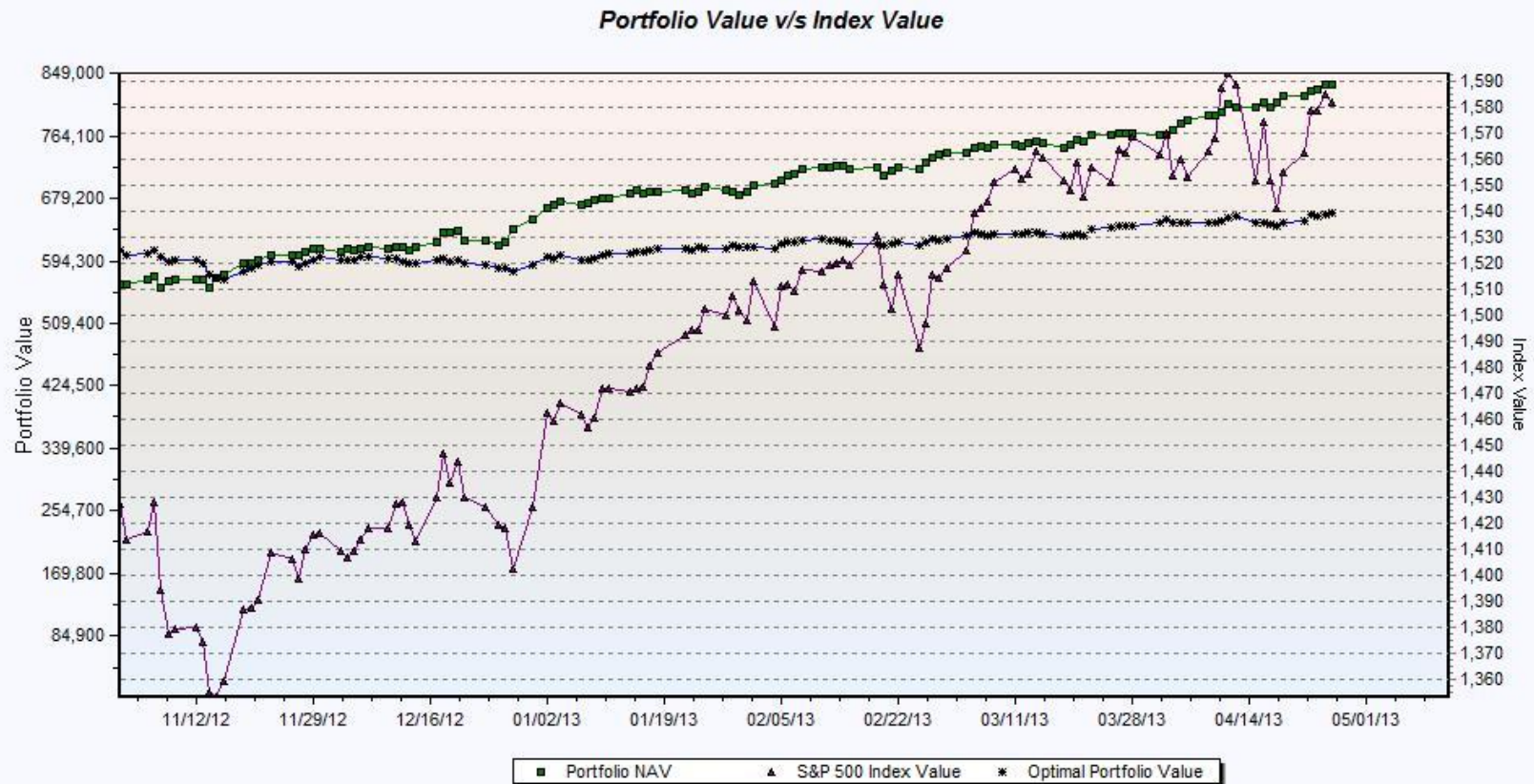
Value at Risk (5%)

VF: \$10,783.74 (Unindexed)

\$25.90 (Indexed) 1.29%

S&P 500: \$22.35 1.41%

# Portfolio Value vs Optimal & S&P 500



# Hedged v/s Unhedged Portfolio Values

*Indexed: Hedged v/s Unhedged Portfolios*

