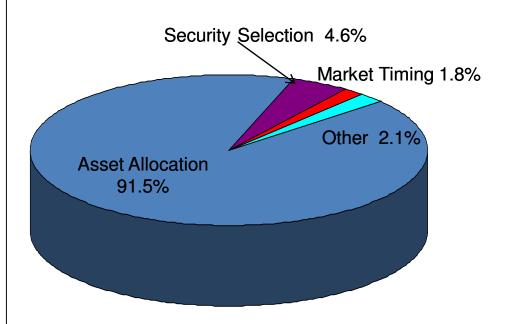




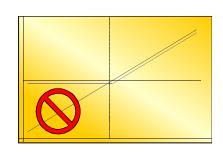
"My broker advises me to have the pork bellies."

Asset Allocation

In 1986, Brinson, Hood, and Beebower (BHB) published a study on the asset allocation of 91 large pension funds as measured from 1974 to 1983 "The study found that asset allocation was the overwhelming dominant contributor (91.5%) to the total return of an investment portfolio. Choosing the right stock or mutual fund was not the answer (4.6%), while market timing proved even more inept (1.8%). The dramatic results supported the notion that the asset allocation decision was the primary determinant of investment performance."



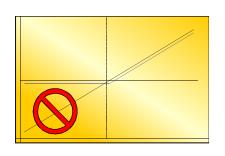
Source: Brinson, Singer, and Beebower (1991) - Financial Analysts Journal, May/June 1991.



Diversification Failed

"...In times of trouble, markets become more closely linked, and seemingly unrelated assets rise and fall in tandem" (David W Mullins, Partner,

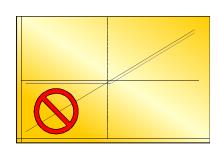
Long Term Capital Management; Lowenstein, 2000)



Market Risk:

The day-to-day potential for an investor to experience losses from fluctuations in securities prices. This risk cannot be diversified away. Also referred to as "systematic risk".

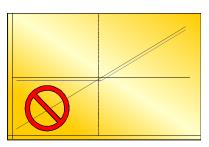
Source: Investopedia

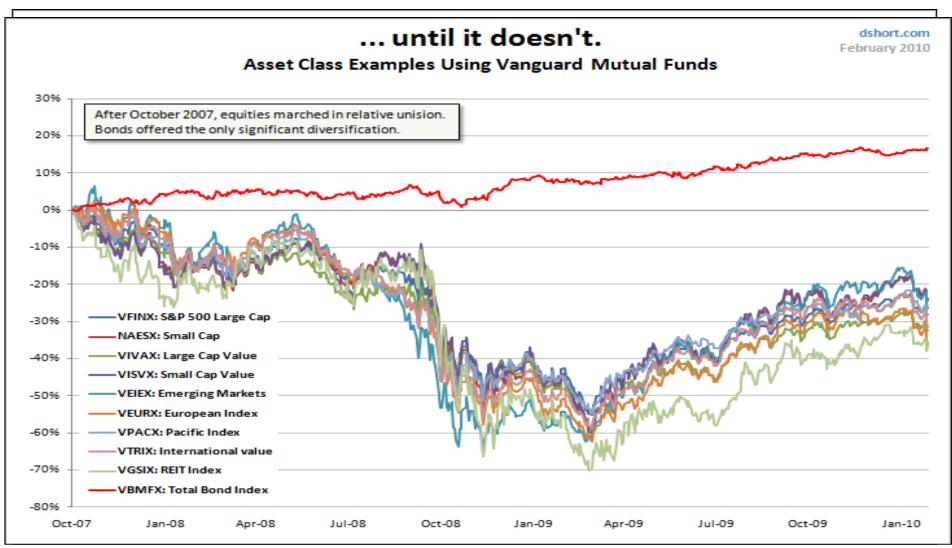


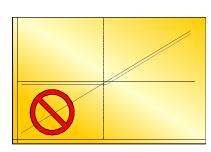
Systematic Risk:

Interest rates recession and wars all represent sources of systematic risk because they affect the entire market and cannot be avoided through diversification. Systematic risk can be mitigated only by being hedged.

Source: Investopedia

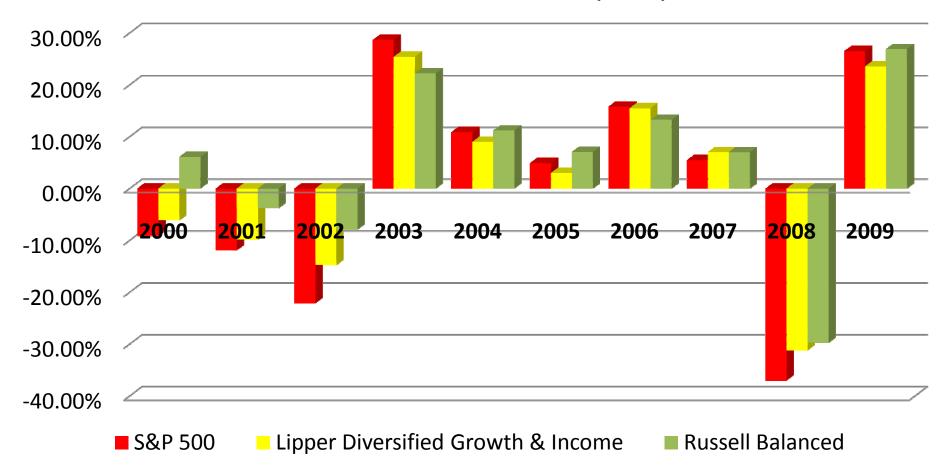


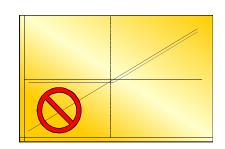




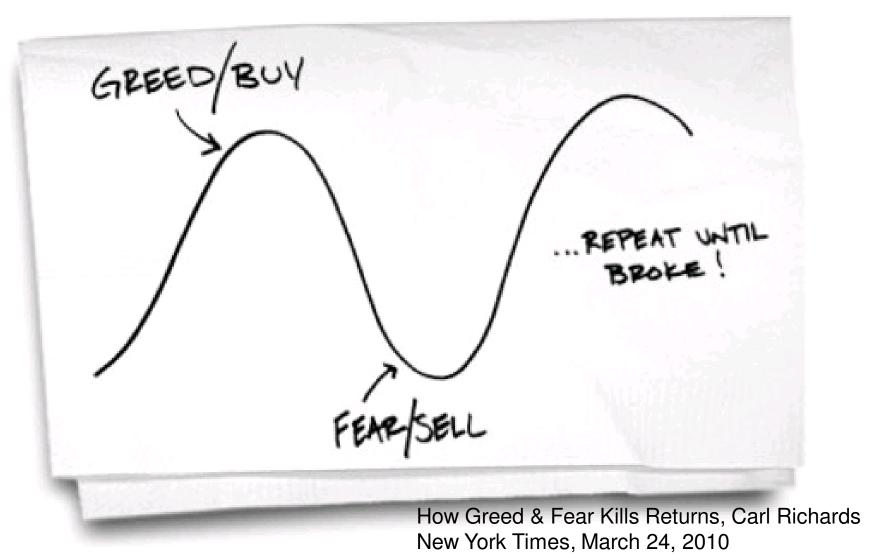
S&P 500 vs. Buy and Hope

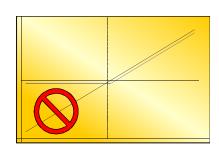
S&P 500 vs. Diversified (60/40)





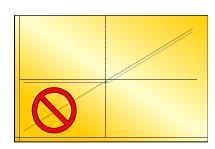
Timing the Market - Individuals





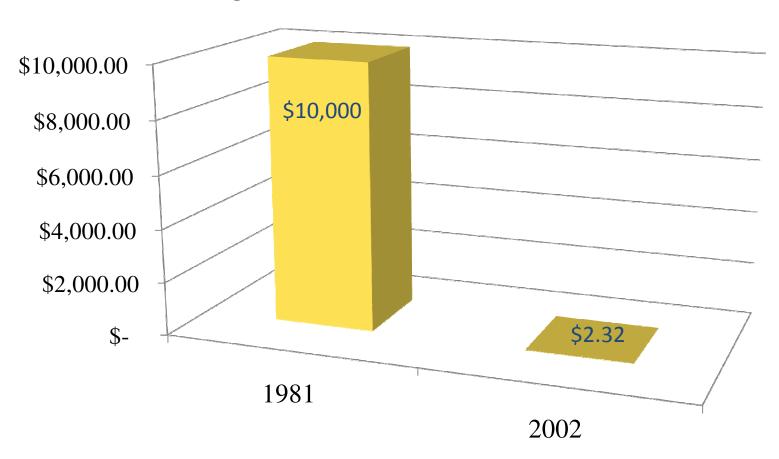
Quantitative Analysis of Investor Behavior 1984 – 2003

Category	Annualized Return
S & P 500 Index	12.98%
Average Equity Fund Investor	3.51%
Systematic Equity Fund Investor	6.80%
Market Timer Equity Fund Investor	(-3.29%)
Long Term Government Bond Index	11.16%
Average Fixed Income Fund Investor	3.75%
Systematic Fixed Income Fund Investo	or 5.60%
Market Timer Fixed Income Fund Inves	stor (-1.85%)
Inflation	3.06%

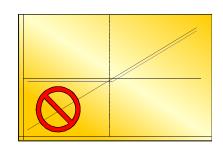


Timing the Market - Professionals

Following the Previous Years' Best Market Timer

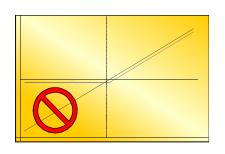


Hulbert Financial Digest, 2004



A study of one hundred large pension funds and their experience with market timing found that while they all had engaged in at least some market timing, **not one had improved its rate of return** as a result. In fact, 89 of the 100 lost as a result of their efforts, and their losses averaged an incredible 4.5% over the five-year period.[i]

- 1. The Portable MBA in Investing, Edited by Peter Bernstein
- [i] 100 large pension plans

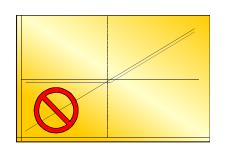


Bloomberg

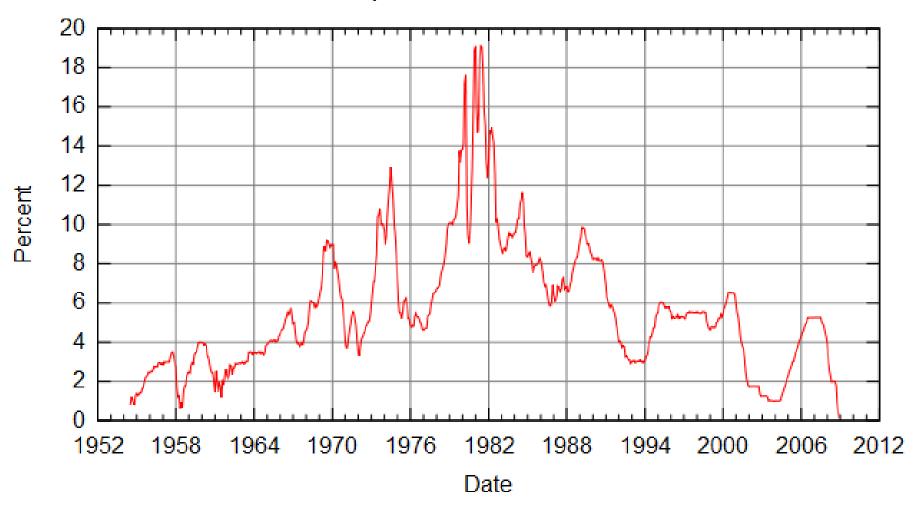
Morgan Stanley Says Government Defaults Inevitable By Matthew Brown - Aug 25, 2010

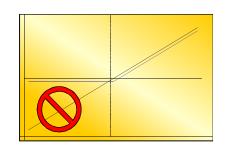
http://www.bloomberg.com/news/2010-08-25/morgan-stanley-says-government-bond-default-is-question-of-how-not-if-.html



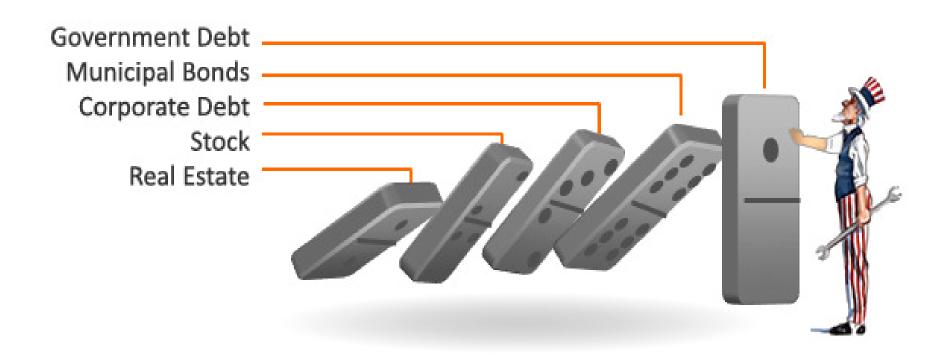


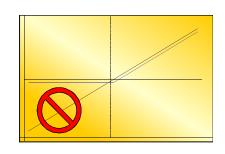
Federal Funds Rate (effective) July 1954 to December 2008





Uncle Sam propping up the markets?





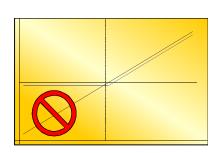
"In 2008 the QQQ experienced a drawdown of about 50% from peak to trough. Many other asset classes which are generally considered effective equity diversifiers also faced significant losses.

This type of contagion across asset classes suggests that in times of major systematic stress, direct hedges through protective option strategies may provide equity portfolios with greater downside risk protection than standard multi-asset diversification programs. "

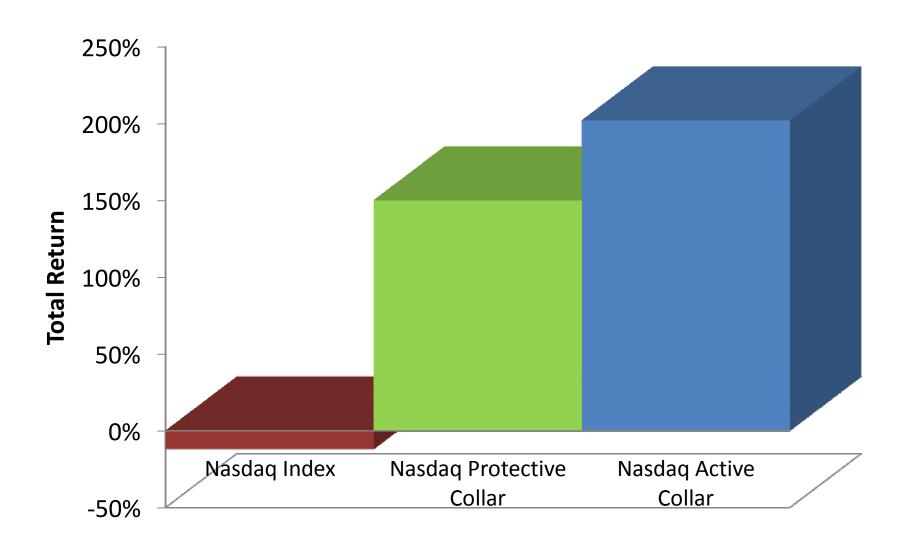
From "Loosening Your Collar: Alternative Implementations of QQQ Collars"

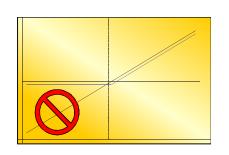
Collaring the Cube

Swan Consulting, Inc

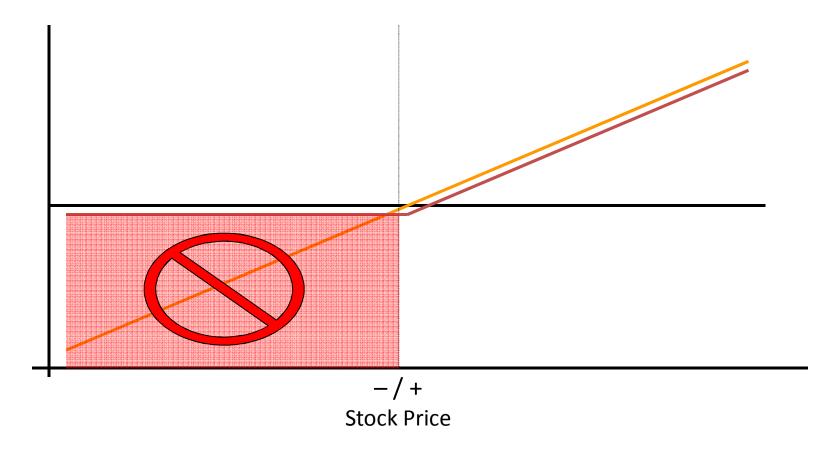


1999 to 2009

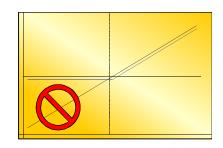




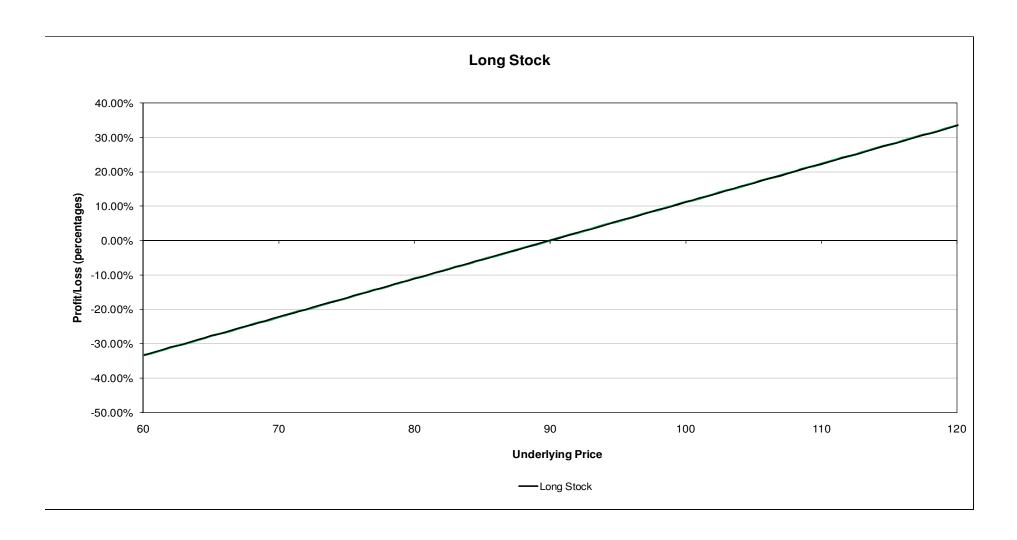
• Get rid of the risk you don't want.

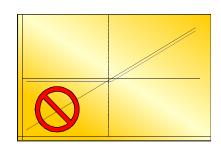


"Prophesy as much as you like, but always hedge." Oliver Wendell Holmes - 1861

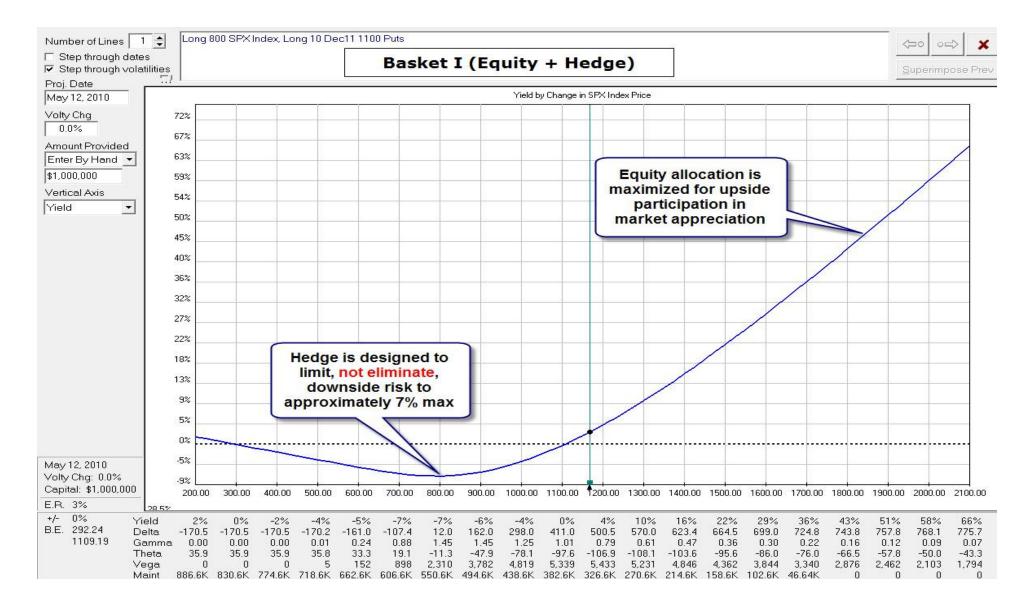


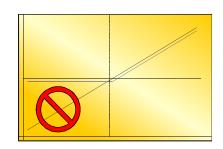
Long Stock potential outcome graph



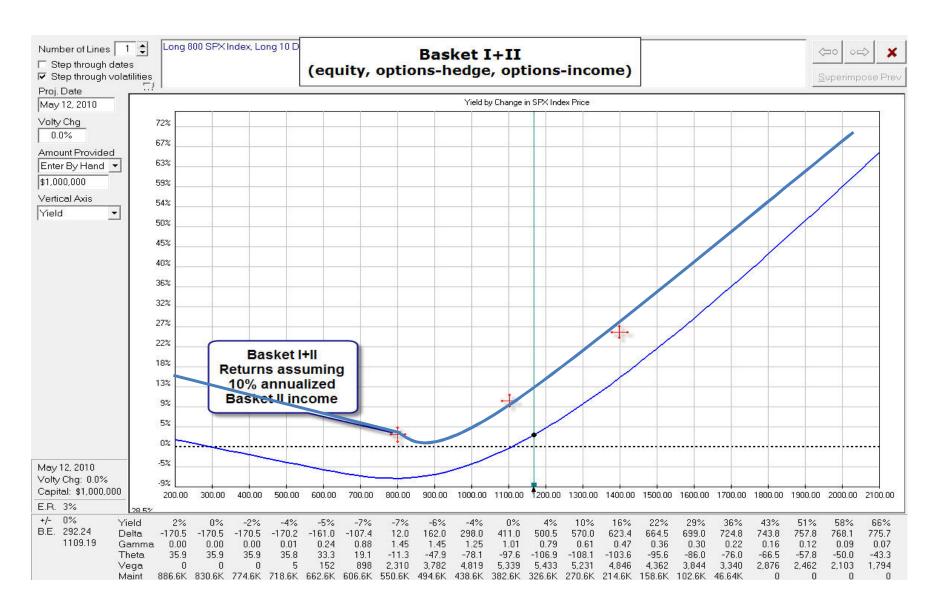


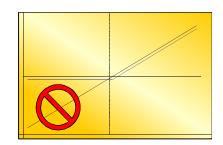
Managing the Hedge creates upside potential when market crashes



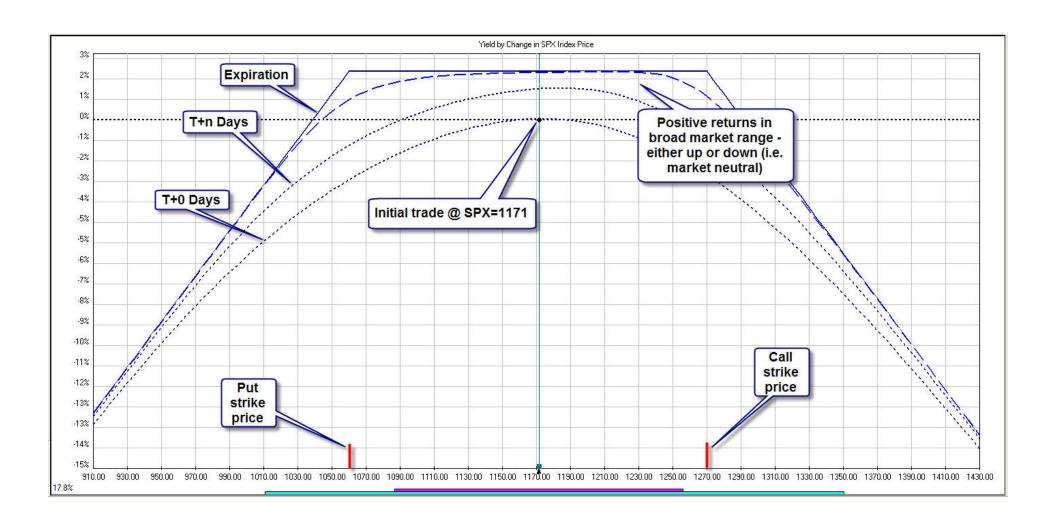


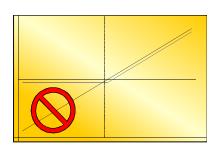
Shifting the outcome upward through option income strategy





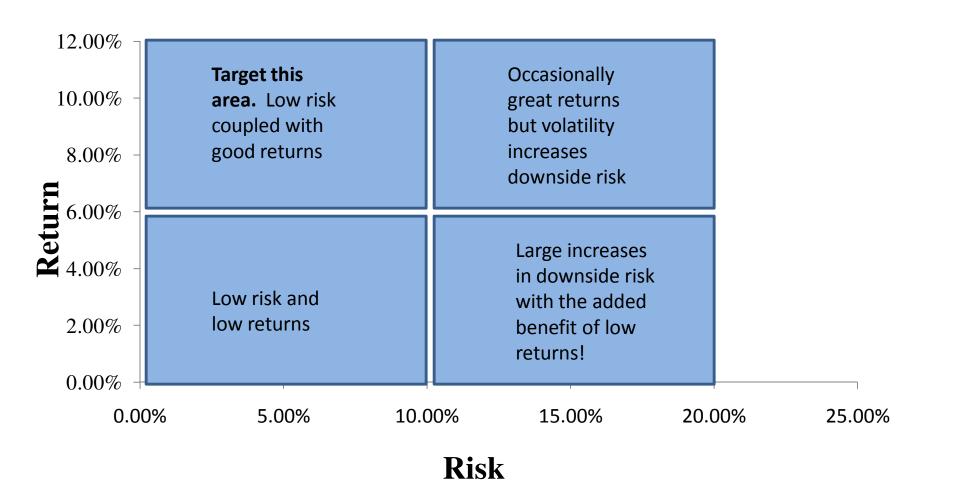
Option Income Trade Example





Conclusions

Risk / Return



Stocks and bonds: risk versus return 1970-2005

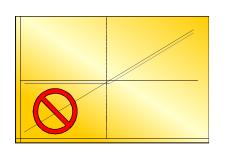
Return 13% maximum risk portfolio 100% stocks 20% 12% -40% 60% 50% 50% 11% -75% 25% minimum risk portfolio 10% 100% bonds 9% -11% 12% 13% 15% 16% 17% 18% 10% 14% Risk

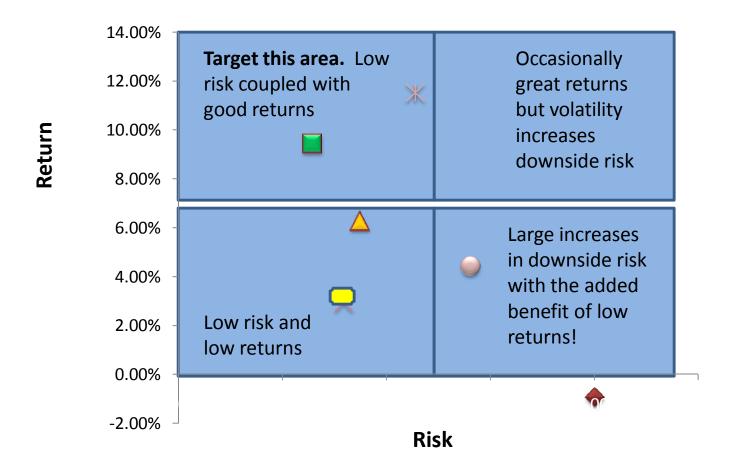
Risk is measured by standard deviation. Return is measured by arithmetic mean. Risk and return are based on annual data over the period 1970-2005. Portfolios presented are based on modern portfolio theory.

This is for Gustratine purposes only and not indicative of any insertment. An insertment cannot be made directly inserted as Part performance in no guarantee of future results. VIV/2018

Risk: Return

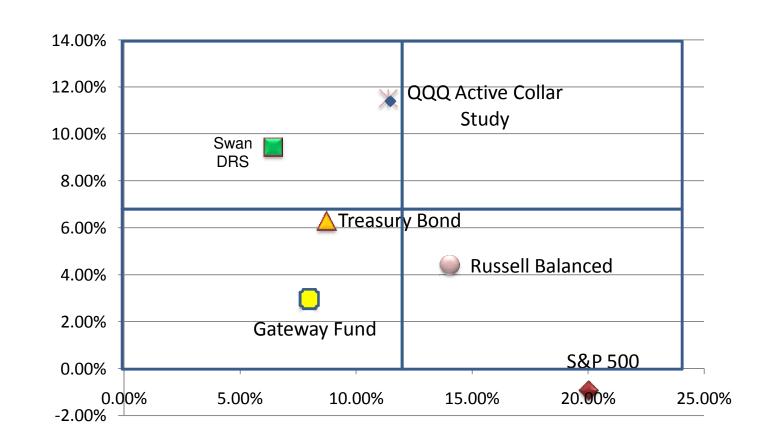
Swan Consulting, Inc





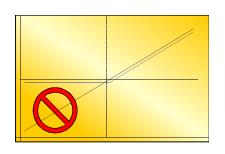
Lost Decade

Risk Return: The Lost Decade

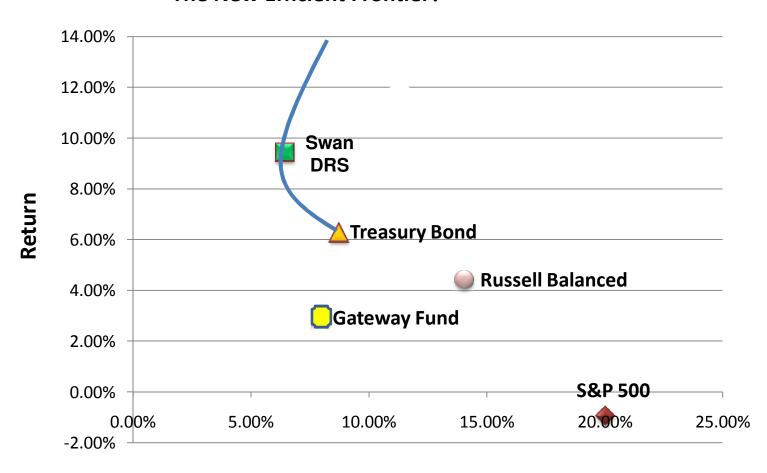


Return

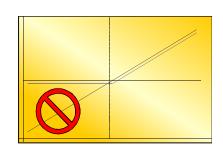
Risk



The New Efficient Frontier?

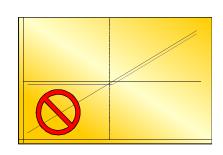


Risk



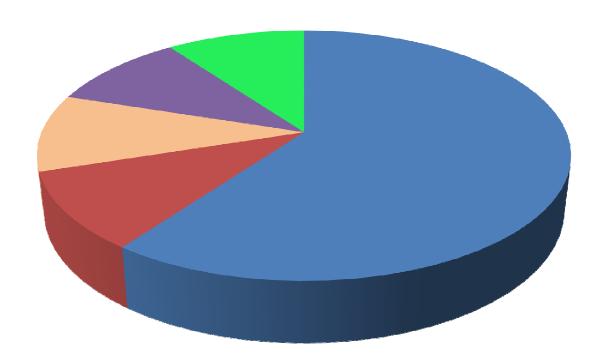
Swan Defined Risk Strategy

- Long with hedge
 - Hedge is not buy and hold but managed and re-hedged at least annually.
- Income Strategy
 - Market neutral taking both sides using options.
 - Managing the trades via specific rules
 - Probability analysis 88% of income trades are profitable.

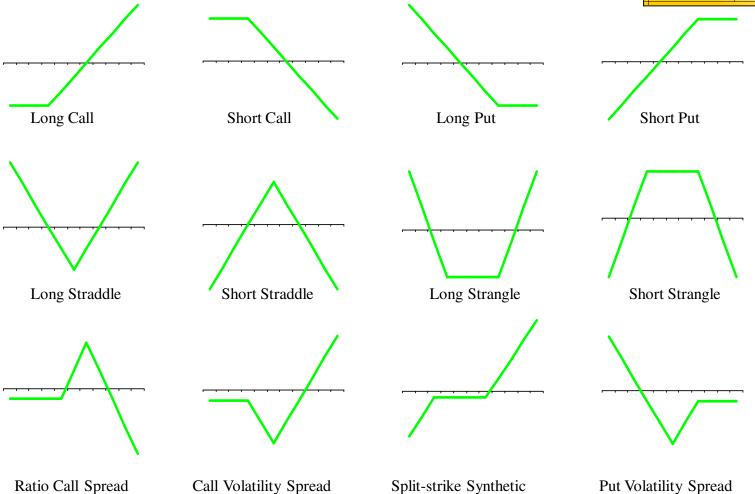


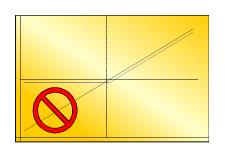
Options: The New Asset Class?

■ Stocks ■ Bonds ■ Commodities ■ Real Estate ■ Options



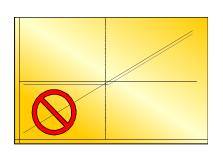
Options Give You Options!





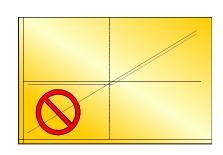
Options – The Concept

- Options are similar to insurance policies.
- Buyer gets payout if conditions are met
- Price varies depending risk of asset
- Price varies by amount of deductible
- Limited time period (expiration date)
- Many policies/options to choose from



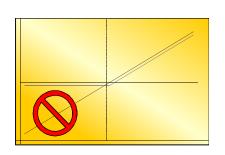
Whose Using Options?

- Farmers
- Fortune 500 Companies
- Insurance Companies
- Oil Companies
- World's Wealthiest
- Hedge Funds/Sophisticated Money Managers



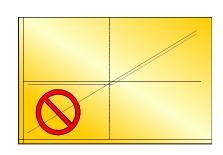
Possible Objectives

- Generate income
- Protect a stock or portfolio
- Lower the cost of protection
- Target a stock purchase price <u>below</u> today's stock price



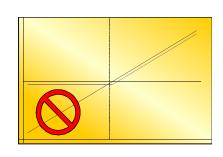
Income Strategies

- Investors can sell options to increase income
- Pay for protection
- Must know alternatives if market moves against you



Best Managers

- Manage the risk of being wrong regarding market direction
- Manage with eye on what is happening vs. what they hope will happen
- Deliver positive alpha due to systematic approach to minimizing risk
- Deliver positive alpha due to systematic approach to maximizing return



"Prophesy as much as you like, but always hedge."

Oliver Wendell Holmes - 1861