

## **Decoding the Myths of Managed Futures 2015**

### Summary

This paper examines seven very popular myths and misconceptions held by both retail and institutional investors regarding managed futures. This paper updates the original version written in 2011. These myths have persisted for several years. As investors are becoming more aware of the potential use of managed futures for asset allocation and portfolio diversification, knowing if the myths are true or false, is critical for an investor's understanding and appreciation of managed futures.

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As I've been presenting at more panel events, instructing workshops on alternative investments and teaching my managed futures/ global macro course at DePaul University in the last several years, I found it was time to update the original paper written in 2011 with additional myths added to the list.

The demand for alternative investments continues to grow as investors are seeking more ways to decrease their correlation risk and tail risk of their portfolio. After the dot com bubble and the recession in the early 2000s more investors realized the need for wider diversification beyond stocks and bonds. More recently since the financial crisis the demand to reduce correlation risk and tail risk continues to grow.

Managed futures (AKA Commodity Trading Advisors), a subset of alternative investments and sometimes categorized under global macro hedge funds continues to grow in popularity. However, many old myths still persist about the investment product, the managers and the due diligence of the managers.

As of the end of 2014 assets under management have grown by 736% since 2000 and by 53% since 2008, according to BarclayHedge. 2011, 2012 and 2013 were challenging years for the returns of managed futures and the product found itself out of favor. But no one has a crystal ball to know when markets change and the 2<sup>nd</sup> half 2014 gave CTAs a positive year while equities were experiencing greater volatility in the later part of 2014. As of March 2015, CTAs continue to profit.

A fair amount of the recent growth in managed futures has been driven by the increasing interest for both commodity related investments as well greater non-correlation of portfolio allocations.

Below are some of the myths and misconceptions of managed futures:

1. *Mysterious "black box" trading systems*
2. *Managed futures are a hedge or insurance against equities*
3. *Only commodities are traded*
4. *Managed futures are risky and volatile*
5. *All Commodity Trading Advisors are the same*
6. *CTA indices contain survivorship bias*
7. *All CTAs are large firms*

*The discussions below are tendencies of the managed futures industry. Results may vary with individual managers.*

## **1: Mysterious “Black Box” Trading Systems**

Over the years I've heard investors or allocators state “we don't understand or can't get comfortable with the systematic trading models” and “they are black boxes, so we stay away from them.” Systematic trading models are quantitative computerized trading models. In earlier years, many CTAs were cautious of fully explaining their models due to replication risk. However in more recent years there is a trend towards CTAs explaining their models. But the transparency by the CTA is not enough. It also involves the investors and allocators to do their research in understanding the concepts and terminology of the asset as they do their due diligence, just as they would for any other investment.

## **2: Hedge or Insurance against Equities**

Many believe that managed futures are a hedge or insurance against equities. This is not true. CTAs tend to be non-correlated to equities. This means their returns are independent of equity returns. The independent returns are primarily due to CTAs trading various commodity and financial markets and they can be long, short, neutral or spreading in those markets.

In the last 20 years managed futures have shown moments of having a positive correlation to equities when equities rally and in other moments a negative correlation to equities when equities

decline. Over time the correlation cycles between positive and negative. But managed futures tend to show positive performance when there are “shocks” to the various markets or the economy such as in the early 2000’s and in 2008. A CTA does not care about the direction of the market they trade, but only that there is enough of a move to create a profit.

### **3: Only Commodities Are Traded**

Because the managers who trade futures are called Commodity Trading Advisors (CTAs), there is a myth that only commodities are traded. Some CTAs do trade only commodities or only trade one market or sector such as corn or the grain sector. But many trade only financial futures such as stock index futures, bond futures or currency futures or forwards. Diversified CTAs may trade both financial and commodity futures.

### **4: Managed Futures Are Volatile**

Some CTAs can be volatile, just as any other investment has the potential to be volatile or risky. However, if you look at volatility in terms of the Sharpe ratio and or standard deviation than you are also assuming the return distributions are a normal (bell-curve) distribution. CTAs may have low Sharpe ratios, high standard deviations, thus one would believe they are very risky and volatile. However, the low Sharpe ratio and high standard deviation are often derived from positive skewness of the return distribution due to risk management policies.

One must understand the source of volatility returns. Volatility is similar to cholesterol; there is good volatility and bad volatility. Good volatility is derived from positive returns and the bad volatility derived from negative returns. The Sortino ratio and S-ratio are probably more informative in understanding risk-adjusted returns for a non-normal distribution than the Sharpe ratio or standard deviation.

It may sound counter-intuitive, but adding an investment with high a standard deviation may actually reduce the portfolio’s volatility due to the positive skewness. In doing so to analyze the investment not as a standalone investment, but how does it compliment the portfolio.

### **5: Managed Futures Funds Are All the Same**

Some investors will ask “why do I need to invest in more than one CTA? Aren’t all CTAs the same?” The answer to that is NO! This topic can be detailed in a separate discussion, but they are not all the same for some basic reasons: 1) Some CTAs may trade different markets or varying number of markets. 2) Their time horizons or average trade duration may vary. 3) How they get into or out of positions may vary. 4) How they manage risk, one of the most important components of the trading system may vary among the CTAs. As I tell my students at DePaul University, the risk management of the positions may make or break a manager.

### **6: CTA Indices Contain Survivorship Bias**

Some investors will refrain from investing in managed futures because the indices include survivorship bias. They are correct, the indices usually do contain survivorship bias. This bias relates to managers being taken out of the index because they no longer meet a certain requirement

to be in the index or they are no longer in business. Managers may also be taken out of an index because they stop reporting to the databases. One common reason for a manager to stop reporting their returns is if they reach a certain asset size and are no longer seeking to raise funds.

What is often missed is that most investment indices do include survivorship bias. For example, General Electric was one of the original components in the Dow Jones index. They are now the only remaining original constituent. Over the decades DJ and S&P have added and removed companies from their respective indices. If survivorship bias is a reason for an investor to avoid investing in managed futures then why isn't the same logic applied to equities?

## **7: All CTAs are Large Firms**

Often new investors to the managed futures space may know of a few large CTAs and think all CTAs are large firms with hundreds of millions if not billions of dollars under management, millions spent on technology, a large research staff and a deep infrastructure.

However it is more common for a CTA to be more like a small business. They will often have from 2 to 10 employees. Using easily accessible technology and many back office functions outsourced to third party firms. This shouldn't take away from investing in the smaller "emerging" managers, but to understand and appreciate the makeup of the industry.

In summary, we have discussed some of the myths or misconceptions that have persisted over the years regarding managed futures. As the industry has become more transparent of their research and demand for non-correlated assets have increased, there is a need for investors to do their research, understand the product, as they would with any other asset class they explore to invest in and understand the profile of the managers they investigate.

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*Past performance is not necessarily indicative of future results. There is risk of loss when investing in futures and options. Always review a complete CTA disclosure document before investing in any Managed Futures program. Managed futures can be a volatile and risky investment; only use appropriate risk capital; this investment is not for everyone. The opinions expressed are solely those of the author and are only for educational purposes. Please talk to your financial advisor before making any investment decisions.*