True Diversification is Hard to Achieve

By
Matthew Tuttle, CFP®, MBA
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We often hear the advice that investors need to have diversified portfolios to protect them against market volatility. However, as many investors found out during the bear market of 2000-2002 and 2007-2008, a traditionally diversified portfolio didn't provide much downside protection, when the market crashed it took everything down with it.

Traditional Diversification

The traditional theory of diversification comes from Modern Portfolio Theory. The idea is that if investors add non-correlated assets to their portfolio they can increase returns and lower risk. While this is true in theory, in practice it is very hard to achieve. When most investors think about a diversified portfolio they think about large stocks, medium sized stocks, small stocks, international stocks, and bonds. A more advanced investor might also have allocations to hedge funds and private equity. The problem with this approach is that during a market crisis most of these types of assets tend to go down at the same time. Diversification will give you some protection as assets like bonds probably won't decline to the same extent as stocks, but how much comfort it is when the market is down 40% and your portfolio is only down 30%?

One of the main reasons why diversification does not provide a high level of protection is that even though an investor might be giving money to managers who buy different types of stocks, the managers are still looking at the market in the same way. Whether a money manager buys large stocks, small stocks, medium sized stocks, growth stocks, value stocks, and international stocks, they are all looking for the same thing----stocks that are undervalued and poised to go up. In a down market there are an abundance of undervalued stocks but they can stay undervalued for a long time.

The other big problem with traditional diversification is that there is no way for a diversified portfolio to make money in a steep market decline. When stocks are going down the best an investor can hope for is to not be down as much as the market.

Another Way to Look at Diversification

A different way to look at diversification is to not just be diversified by type of market but also to be diversified by the methodology used to select which markets to invest in. For example, our portfolios currently consist of four models, one for the S&P 500, one for the NASDAQ, one for energy stocks, and one for 30 yr Treasury Bonds. Our models contain an absolute return component as the S&P 500, NASDAQ, and 30yr Treasury Bond systems can go long or short those markets, allowing them to make money in an any environment. The models are also completely different from each other in what they look for to decide whether to be long the market, short the market, or in cash. For

example, during much of November our S&P 500 model was long while our NASDAQ model was short.

We use trend following models and models that look for divergence.

Trend Following

At any point in time a market can be doing one of three things—trending up, trending down, or going sideways. A trend following approach seeks to profit from up trends and down trends. For example, in the beginning of 2008 oil, gold, commodities in general, and the Euro were in strong uptrends. Over the summer these trends reversed. Investors who used a trend following approach could have played these trends up and down.

Divergence

Many markets move in tandem, a move in one market can be predictive of moves in another market. For example, this year when the Dollar has gone up oil has tended to go down. Trading divergences involves finding these markets that are predictive and then entering trades when they diverge. For example, let's assume that Coke and Pepsi tend to move together and because Coke is bigger, moves in its stock tend to predict moves in Pepsi stock. You could watch this relationship and buy Pepsi when Coke goes up but Pepsi doesn't (Please keep in mind that this is just an example, we have not tested this relationship).

Because we use different types of models there are times when our S&P 500 system might be long and our NASDAQ system might be short (or the other way around). Because each of our models uses different indicators and a different methodology they are not correlated with each other, allowing us to obtain true diversification.

Matthew Tuttle, CFP®, MBA, is President of Tuttle Wealth Management, LLC, a money manager who specializes in designing innovative absolute return investment strategies. He is the author of "How Harvard & Yale Beat the Market" and "Financial Secrets of my Wealthy Grandparents". He welcomes your questions and comments and can be reached at 203-564-1956 or matthew@matthewtuttle.com.

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