

Modern Portfolio Theory

Wall Street strategists' dismal track record with their S&P 500 sector recommendations illustrates how extremely difficult it is to systematically add α with tactical asset allocation – ie. trying to guess which sectors, styles, markets (foreign vs. domestic) or asset classes (eg. stocks, bonds, commodities, gold, etc.) are going to outperform and which are going to lag. In my opinion, MPT is still the best investing mousetrap yet devised.



“Your mother called to remind you to diversify.”

Modern portfolio theory was introduced by Harry Markowitz with his paper “Portfolio Selection,” which appeared in the 1952 *Journal of Finance*.

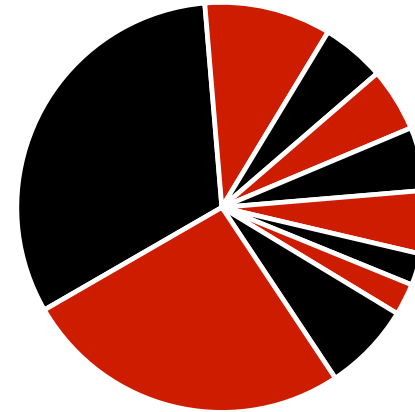
Thirty-eight years later, he shared a Nobel Prize with Merton Miller and William Sharpe for what has become a broad theory for portfolio selection.

Modern Portfolio Theory

Diversify

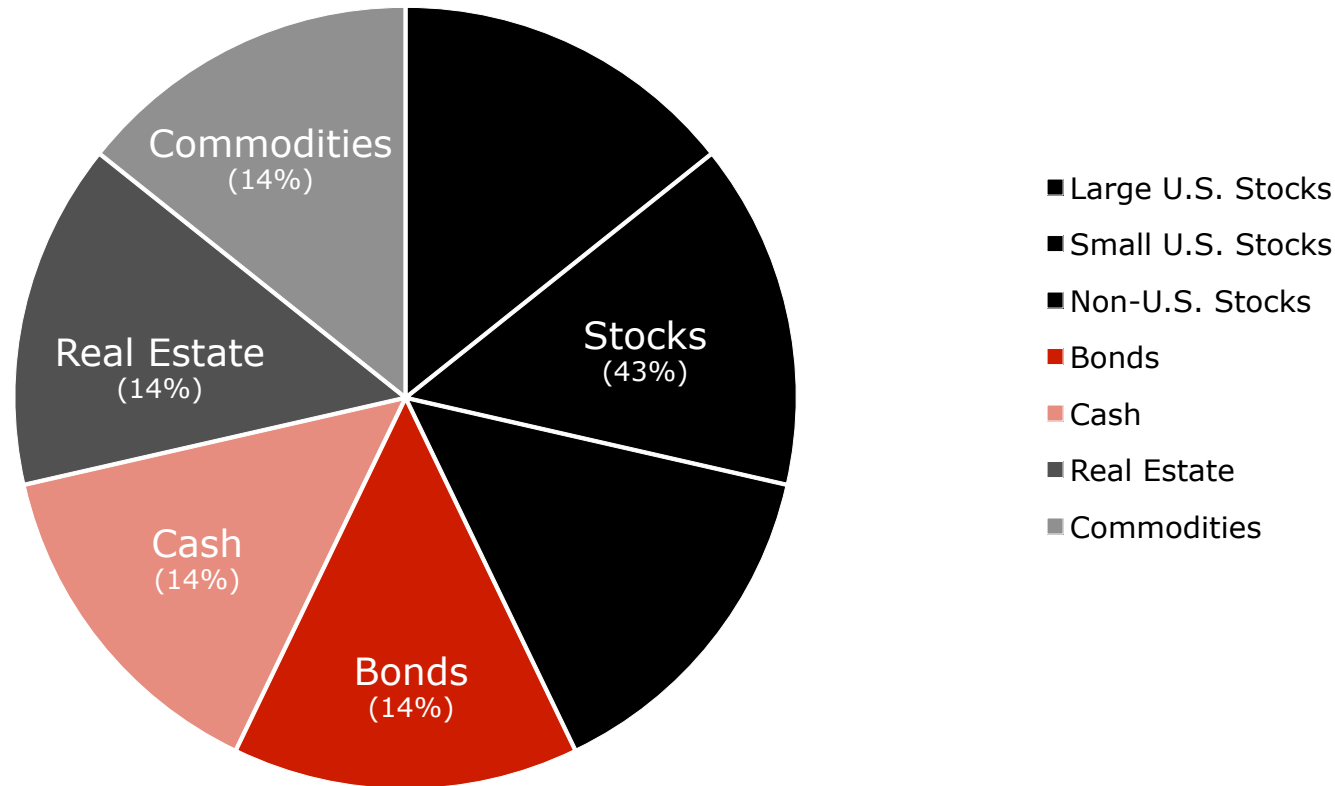
Optimize

Rebalance



Asset Allocation — An Example

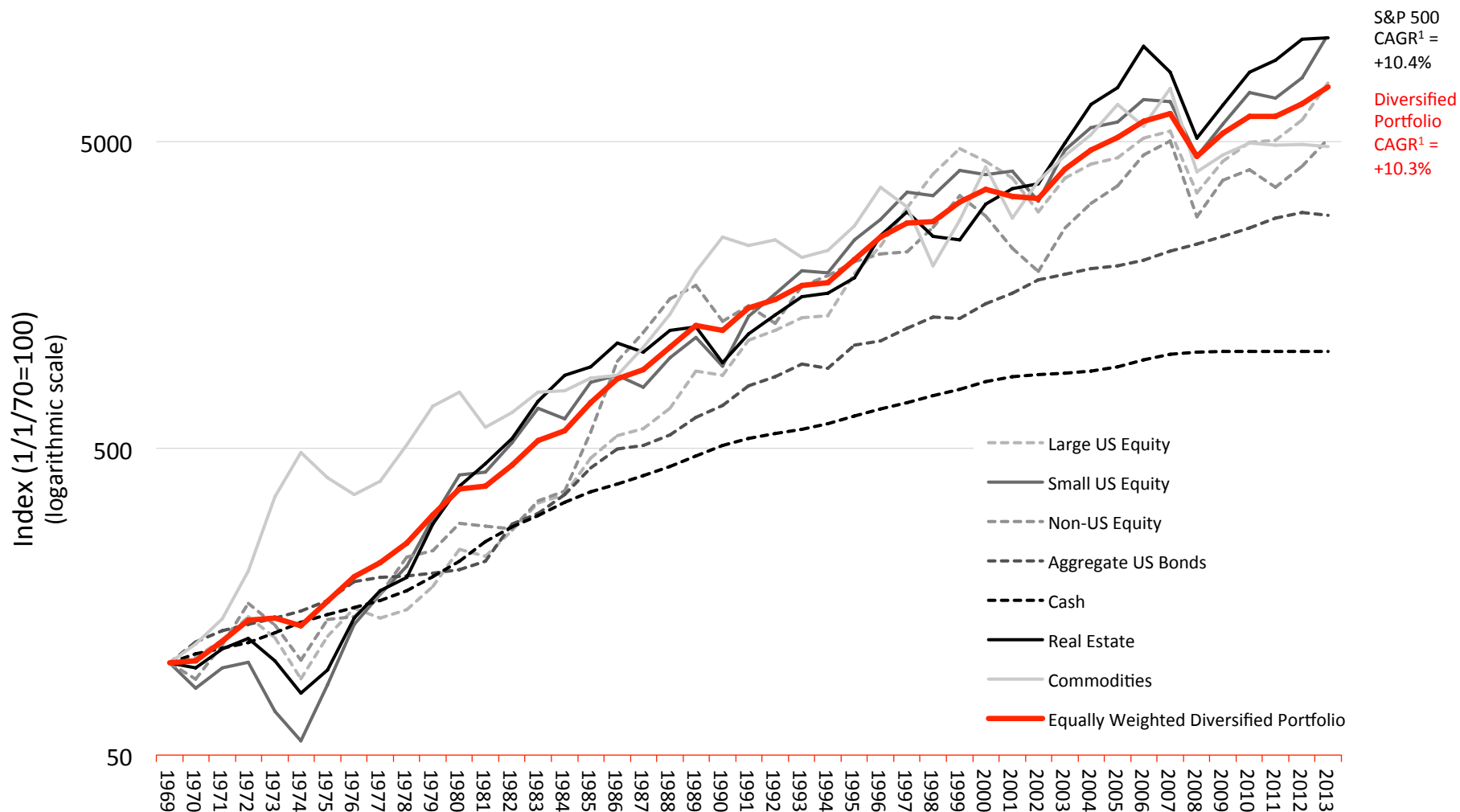
Let's construct a global balanced portfolio using 7 asset classes ...



Source: ©2012 The 7Twelve™ Portfolio powerpoint presentation, by Craig Israelsen. Used with permission. Indexes used in this illustration: Large-cap US equity represented by the S&P 500 Index. Small-cap US equity represented by the Ibbotson Small Companies Index from 1970-1978, and the Russell 2000 Index starting in 1979. Non-US equity represented by the MSCI EAFE Index. Real estate represented by the NAREIT Index from 1970-1977 and the Dow Jones US Select REIT Index starting in 1978. Commodities represented by the Goldman Sachs Commodities Index (GSCI). As of February 6, 2007, the GSCI became the S&P GSCI Commodity Index. U.S. Aggregate Bonds represented by the Ibbotson Intermediate Term Bond Index from 1970-75 and the Barclays Capital Aggregate Bond index starting in 1976. Cash represented by 3-month Treasury Bills.

Investment Strategy

Asset Allocation — An Example



¹Compound annual growth rate.

Past performance is not a guarantee of future results. An investment cannot be made directly in the indexes used in this illustration.

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