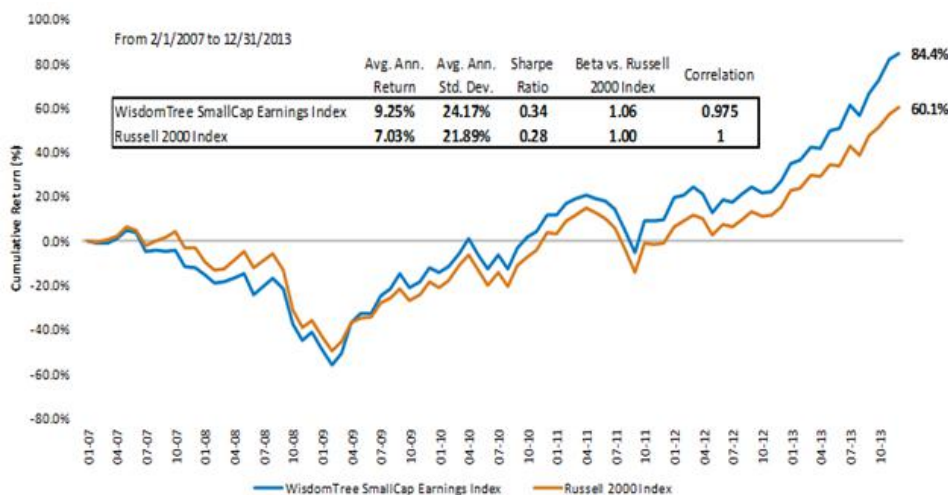


EXPLORE THE CORE WITH SMART BETA

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ETFs can be used in many ways, but one of the most popular is the “core and explore” approach. Investors use ETFs to implement core positions, often with funds tracking capitalization-weighted indexes, and use tactical ETFs or [active managers](#) in the periphery of the portfolio to pursue [alpha](#). If most active managers, after fees and expenses, fail to outperform the core [beta benchmarks](#) for most asset classes, the use of low-fee ETFs or index funds that provide such access makes a great deal of sense. But what if the underlying capitalization-weighted indexes designed to provide the equity market’s [beta](#) returns were on average costing investors 1 to 2 percentage points each year? If that is the “drag” created over time by traditional cap-weighted indexes, then rather than trying to add alpha in the periphery of the portfolio, investors may actually want to “explore the core” of their portfolios in search of alpha—or, at a minimum, a better kind of beta. It’s rare today not to hear the phrase “[smart beta](#)” discussed at industry conferences or in the financial press. [Smart beta](#) has become a catch-all phrase for indexing strategies that seek to outperform the market, or generate better [risk-adjusted](#) returns than the market, by weighting index constituents by a measure other than [market capitalization](#). I am encouraged that much of the investing world is now openly debating this issue. When I invented WisdomTree’s patented [dividend-weighted approach](#) with Jonathan Steinberg about a decade ago, I suspected that we would need at least 10 years of real-time results before the investing community would acknowledge that cap-weighted indexes may not provide the best risk and return characteristics for [passive](#) portfolios. In recent months, research papers have helped advance this notion. When Towers Watson said in July of 2013 that “somewhere between alpha and beta, lies smart beta,”¹ the global consulting firm established a framework for evaluating four major categories of non-capitalization-weighted, or smart beta, indexes: equally weighted, [fundamentally weighted](#), [volatility](#) weighted and factor based. Further research has emerged substantiating the claim that cap-weighted indexes may not be rewarding investors for the risk they are taking. According to Cass Consulting, a research-led consultancy service provided by Cass Business School, returns of traditional, market capitalization-weighted indexes lagged various fundamentally weighted—or smart beta—indexes by as much as 2% per year from 1969 to 2011.² So, although the majority of ETF assets in the market today track cap-weighted indexes, it may not be surprising that alternative methods are growing in popularity. Last year, U.S.-listed ETFs tracking non-market cap-weighted indexes gathered \$65 billion, or approximately one-third of the industry’s net inflows.³ In 2014, investors have a treasure trove of data to compare how fundamentally weighted indexes fare against their comparable cap-weighted indexes in real time. At WisdomTree, the greatest outperformance we have seen has occurred in the more inefficient markets—U.S. [small caps](#), [mid caps](#) and emerging markets. Let’s take U.S. small caps for a moment, for it is here that WisdomTree has been conducting a very interesting experiment in real time. We created an Index, the [WisdomTree SmallCap Earnings Index](#), which in effect includes all the profitable small-cap companies in America and then weights them once a year based on the profits they generated in the prior year. It’s a broad-based small-cap Index, including nearly 900 stocks with an aggregate market capitalization of nearly \$700 billion. Over the past seven years it has had a [correlation](#) to the [Russell 2000 Index](#) of about .98, yet it’s outperformed the Russell 2000 by more than 2 percentage points annualized over that period, and by more than 500 [basis points](#) annualized over the last five years. **WisdomTree SmallCap Earnings Index vs. Russell 2000 Index (2/1/2007—12/31/2013)**



Sources: Bloomberg, WisdomTree. Past performance is not indicative of future results. You cannot invest directly in an index.

Remember, in the small-cap space in the U.S. there are literally tens of billions of ETF dollars tracking the Russell 2000. Billions more track the [S&P SmallCap 600](#) and the relatively new capitalization-weighted small-cap indexes from MSCI and CRSP. Each of these cap-weighted indexes has its own unique selection methodology, so defining what exactly is small-cap beta is very much in the eye of the beholder. I believe that this choice is a positive, because it gives advisors and advisory firms more latitude to consider smart beta alternatives such as the [WisdomTree SmallCap Earnings Index](#). In the next part of this series, we'll take a look at what happens when you weight mid- and [large-cap](#) segments of the U.S. by earnings rather than by market value. ¹Towers Watson, "Understanding Smart Beta," July 2013. ²Source: Andrew Clare et al., "An Evaluation of Alternative Equity Indices, Part 2: Fundamental Weighting Schemes," Cass Consulting, March 2013. ³Source: Dodd Kittsley, "What You Need to Know about Strategic Beta," Blackrock, 1/15/14.

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You cannot invest directly in an index.

DEFINITIONS

Active manager : Portfolio managers who run funds that attempt to outperform the market by selecting those securities they believe to be the best.

Alpha : Can be discussed as both risk-adjusted excess return relative to a specific benchmark, or absolute excess return relative to a benchmark. It is sometimes more generally referred to as excess returns in general.

Beta benchmark : Characterized by measuring the performance of a particular universe of equities without attempting to utilize selection and weighting to generate differences in performance relative to this universe.

Beta : A measure of the volatility of a security or a portfolio in comparison to a benchmark. In general, a beta less than 1 indicates that the investment is less volatile than the benchmark, while a beta more than 1 indicates that the investment is more volatile than the benchmark.

Smart Beta : A term for rules-based investment strategies that don't use conventional market-cap weightings.

Risk : Also standard deviation, which measures the spread of actual returns around an average return during a specific period. Higher risk indicates greater potential for returns to be farther away from this average.

Market Capitalization : Market cap = share prices x number of shares outstanding. Firms with the highest values receive the highest weights in approaches designed to weight firms by market cap.

Passive : Indexes that take a rules-based approach with regular rebalancing schedules that are not changed due to market conditions.

Fundamental weighting : A type of equity index in which components are chosen based on fundamental criteria as opposed to market capitalization. Fundamentally weighted indexes may be based on fundamental metrics such as revenue, dividend rates, earnings or book value.

Volatility : A measure of the dispersion of actual returns around a particular average level. bsp.

Small caps : new or relatively young companies that typically have a market capitalization between \$200 million to \$2 billion.

Mid-Cap : Characterized by exposure to the next 20% of market capitalization (after the top 70% have been removed) within the Value, Blend or Growth style zones with the majority of the fund's weight.

WisdomTree SmallCap Earnings Index (WTSEI) : measures the performance of earnings-generating companies within the small-capitalization segment of the U.S. Stock Market. The index is comprised of the companies in the bottom 25% of the market capitalization of the WisdomTree Earnings Index after the 500 largest companies have been removed.

Correlation : Statistical measure of how two sets of returns move in relation to each other. Correlation coefficients range from -1 to 1. A correlation of 1 means the two subjects of analysis move in lockstep with each other. A correlation of -1 means the two subjects of analysis have moved in exactly the opposite direction.

Russell 2000 Index : Measures the performance of the small-cap segment of the U.S. equity universe. The Russell 2000 is a subset of the Russell 3000 Index representing approximately 10% of the total market capitalization of that index. It includes approximately 2000 of the smallest securities based on a combination of their market cap and current index membership.

Basis point : 1/100th of 1 percent.

S&P SmallCap 600 Index : Market capitalization-weighted measure of the performance of small cap equities within the United States, with constituents required to demonstrate profitability prior to gaining initial inclusion.

Large-Capitalization (Large-Cap) : A term used by the investment community to refer to companies with a market capitalization value of more than \$10 billion. Large cap is an abbreviation of the term “large market capitalization”. Market capitalization is calculated by multiplying the number of a company’s shares outstanding by its stock price per share.