

# Pursuing a Better Investment Experience

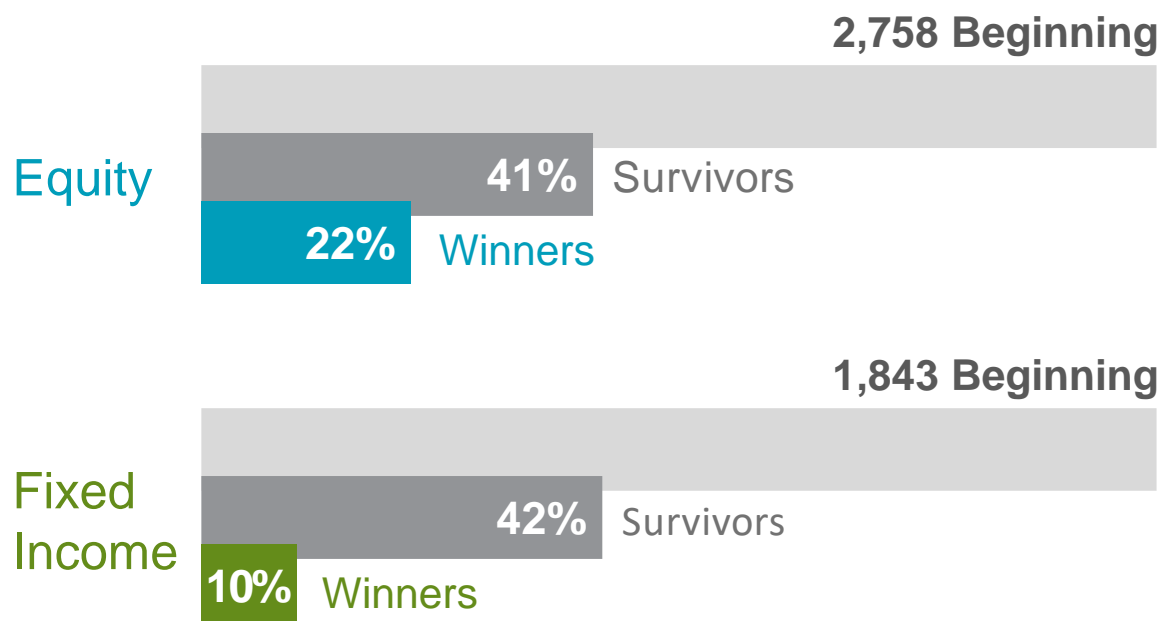
# 1. Embrace Market Pricing



The market is an effective information-processing machine. Each day, the world equity markets process billions of dollars in trades between buyers and sellers—and the real-time information they bring helps set prices.

## 2. Don't Try to Outguess the Market

### US-Based Mutual Fund Performance, 2000–2019

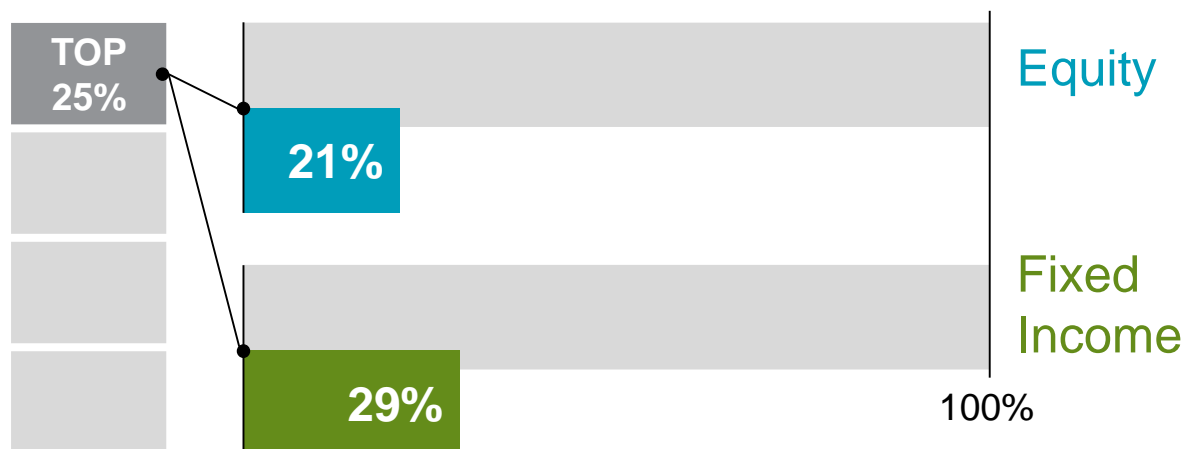


The market's pricing power works against mutual fund managers who try to outperform through stock picking or market timing. As evidence, only 22% of US equity mutual funds and 10% of fixed income funds have survived and outperformed their benchmarks over the past 20 years.

The sample includes funds at the beginning of the 20-year period ending December 31, 2019. Each fund is evaluated relative to its respective primary prospectus benchmark as of the end of the evaluation period. Surviving funds are those with return observations for every month of the evaluation period. Winner funds are those that survived and whose cumulative net return over the period exceeded that of their respective primary prospectus benchmark. Loser funds are funds that did not survive the period or whose cumulative net return did not exceed that of their respective primary prospectus benchmark. Where the full series of primary prospectus benchmark returns is unavailable, non-Dimensional funds are instead evaluated relative to the Morningstar category index assigned to the fund's category at the start of the evaluation period. US-domiciled, USD-denominated, non-Dimensional open-end mutual fund data is provided by Morningstar. Equity fund sample includes the Morningstar historical categories: Diversified Emerging Markets, Europe Stock, Foreign Large Blend, Foreign Large Growth, Foreign Large Value, Foreign Small/Mid Blend, Foreign Small/Mid Growth, Foreign Small/Mid Value, Global Real Estate, Japan Stock, Large Blend, Large Growth, Large Value, Mid-Cap Blend, Mid-Cap Growth, Mid-Cap Value, Miscellaneous Region, Pacific/Asia ex-Japan Stock, Real Estate, Small Blend, Small Growth, Small Value, World Large Stock, and World Small/Mid Stock. Fixed income fund sample includes the Morningstar historical categories: Corporate Bond, High Yield Bond, Inflation-Protected Bond, Intermediate Core Bond, Intermediate Core-Plus Bond, Intermediate Government, Long Government, Muni California Intermediate, Muni California Long, Muni Massachusetts, Muni Minnesota, Muni National Intermediate, Muni National Long, Muni National Short, Muni New Jersey, Muni New York Intermediate, Muni New York Long, Muni Ohio, Muni Pennsylvania, Muni Single State Intermediate, Muni Single State Long, Muni Single State Short, Muni Target Maturity, Short Government, Short-Term Bond, Target Maturity, Ultrashort Bond, World Bond, and World Bond-USD Hedged. See Dimensional's *Mutual Fund Landscape 2020* for more detail. Index data provided by Bloomberg Barclays, MSCI, Russell, FTSE Fixed Income LLC, and S&P Dow Jones Indices LLC. Bloomberg Barclays data provided by Bloomberg. MSCI data © MSCI 2020, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes. FTSE fixed income indices © 2020 FTSE Fixed Income LLC. All rights reserved. S&P data © 2020 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Indices are not available for direct investment. Their performance does not reflect the expenses associated with management of an actual portfolio. There is no guarantee investment strategies will be successful. Past performance is no guarantee of future results.

### 3. Resist Chasing Past Performance

Percentage of Top-Ranked Funds That Stayed on Top



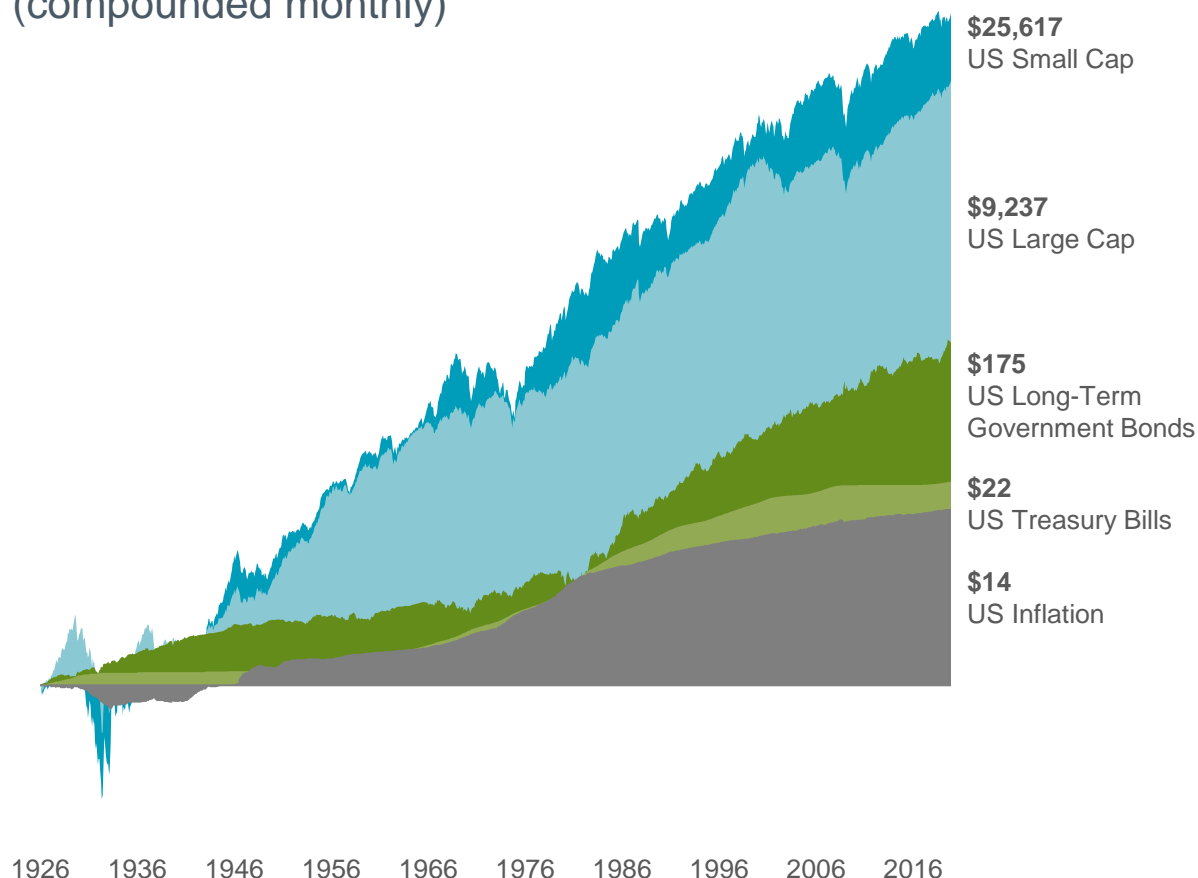
Previous 5 Years      Funds Remaining in Top Quartile of Returns in the Following 5-Year Period (2009–2019 average)

Some investors select mutual funds based on their past returns. Yet, past performance offers little insight into a fund’s future returns. For example, most funds in the top quartile of previous five-year returns did not maintain a top-quartile ranking in the following five years.

This study evaluated fund performance persistence over rolling periods from 2000 through 2019. Each year, funds are sorted within their category based on their previous five-year total return. Those ranked in the top quartile of returns are evaluated over the following five-year period. The chart shows the average percentage of top-ranked equity and fixed income funds that kept their top ranking in the subsequent period. US-domiciled, USD-denominated, non-Dimensional open-end mutual fund data is provided by Morningstar. Equity fund sample includes the Morningstar historical categories: Diversified Emerging Markets, Europe Stock, Foreign Large Blend, Foreign Large Growth, Foreign Large Value, Foreign Small/Mid Blend, Foreign Small/Mid Growth, Foreign Small/Mid Value, Global Real Estate, Japan Stock, Large Blend, Large Growth, Large Value, Mid-Cap Blend, Mid-Cap Growth, Mid-Cap Value, Miscellaneous Region, Pacific/Asia ex-Japan Stock, Real Estate, Small Blend, Small Growth, Small Value, World Large Stock, and World Small/Mid Stock. Fixed income fund sample includes the Morningstar historical categories: Corporate Bond, High Yield Bond, Inflation-Protected Bond, Intermediate Core Bond, Intermediate Core-Plus Bond, Intermediate Government, Long Government, Muni California Intermediate, Muni California Long, Muni Massachusetts, Muni Minnesota, Muni National Intermediate, Muni National Long, Muni National Short, Muni New Jersey, Muni New York Intermediate, Muni New York Long, Muni Ohio, Muni Pennsylvania, Muni Single State Intermediate, Muni Single State Long, Muni Single State Short, Muni Target Maturity, Short Government, Short-Term Bond, Target Maturity, Ultrashort Bond, World Bond, and World Bond-USD Hedged. See Dimensional’s *Mutual Fund Landscape 2020* for more detail. Index data provided by Bloomberg Barclays, MSCI, Russell, FTSE Fixed Income LLC, and S&P Dow Jones Indices LLC. Bloomberg Barclays data provided by Bloomberg. MSCI data © MSCI 2020, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes. FTSE fixed income indices © 2020 FTSE Fixed Income LLC. All rights reserved. S&P data © 2020 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Indices are not available for direct investment. Their performance does not reflect the expenses associated with management of an actual portfolio. There is no guarantee investment strategies will be successful. Past performance is no guarantee of future results.

## 4. Let Markets Work for You

Growth of a Dollar, 1926–2019  
 (compounded monthly)



The financial markets have rewarded long-term investors. People expect a positive return on the capital they supply, and historically, the equity and bond markets have provided growth of wealth that has more than offset inflation.

In USD. US Small Cap is the CRSP 6–10 Index. US Large Cap is the S&P 500 Index. Long-Term Government Bonds is the IA SBBI US LT Govt TR USD. Treasury Bills is the IA SBBI US 30 Day TBill TR USD. US Inflation is measured as changes in the US Consumer Price Index. CRSP data is provided by the Center for Research in Security Prices, University of Chicago. S&P data © 2020 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Long-term government bonds and Treasury bills data provided by Ibbotson Associates via Morningstar Direct. US Consumer Price Index data is provided by the US Department of Labor Bureau of Labor Statistics. Indices are not available for direct investment. Their performance does not reflect the expenses associated with the management of an actual portfolio. Past performance is no guarantee of future results.

## 5. Consider the Drivers of Returns

### Dimensions of Expected Returns

#### EQUITIES

Company Size (Market Capitalization)

Relative Price (Price/Book Equity)

Profitability (Operating Profits/Book Equity)

#### FIXED INCOME

Term (Sensitivity to Interest Rates)

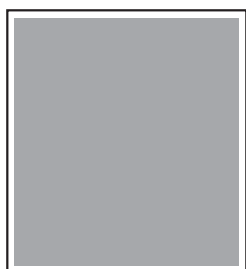
Credit (Credit Quality of Issuer)

Currency (Currency of Issuance)

There is a wealth of academic research into what drives returns. Expected returns depend on current market prices and expected future cash flows. Investors can use this information to pursue higher expected returns in their portfolios.

## 6. Practice Smart Diversification

### Home Market Index Portfolio



**S&P 500 Index**  
1 country,  
505 stocks

### Global Market Index Portfolio

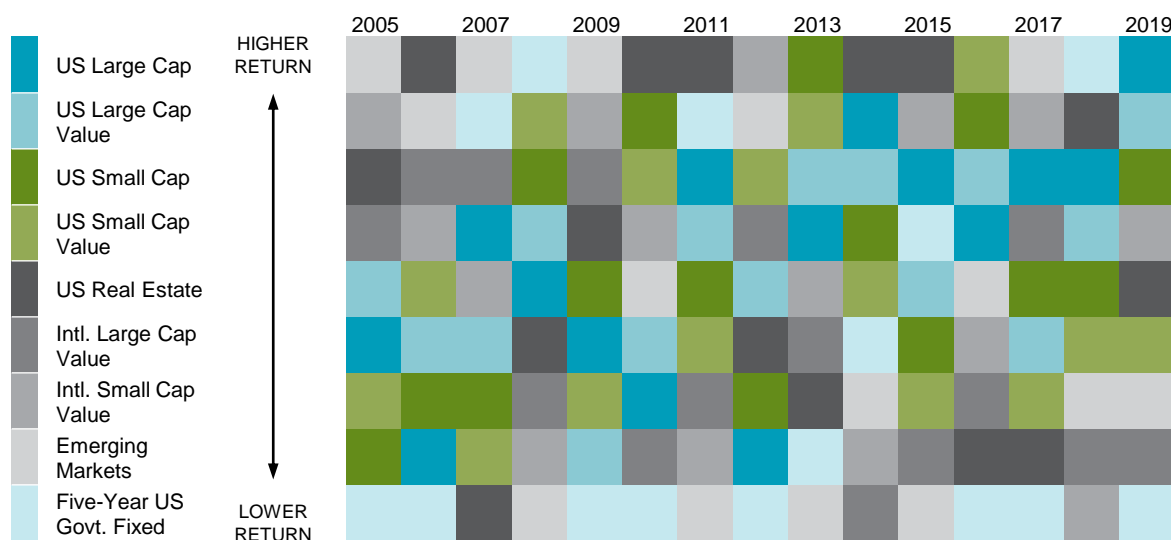


**MSCI ACWI  
Investable  
Market Index (IMI)**  
49 countries,  
9,031 stocks

Holding securities across many market segments can help manage overall risk. But diversifying within your home market may not be enough. Global diversification can broaden your investment universe.

# 7. Avoid Market Timing

## Annual Returns by Market Index



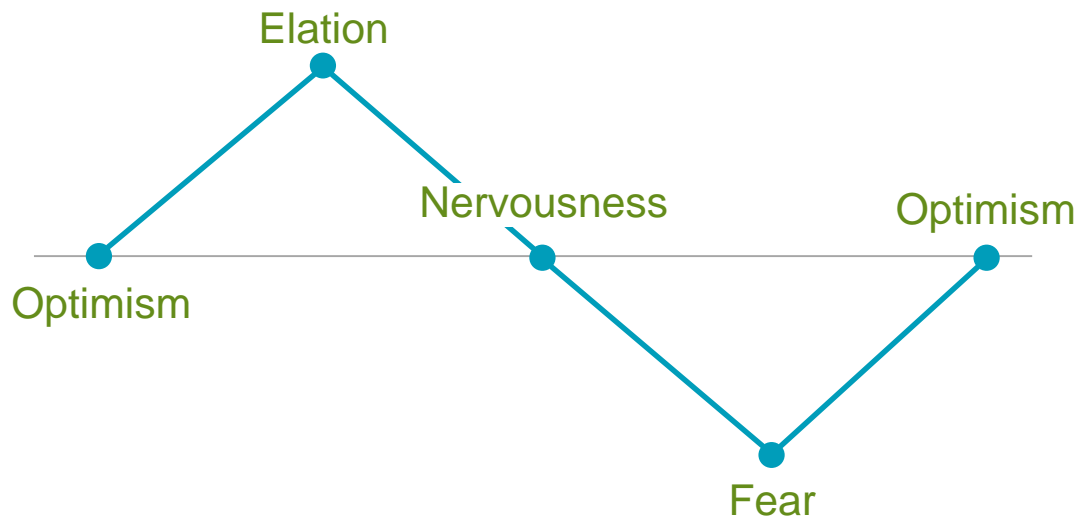
You never know which market segments will outperform from year to year. By holding a globally diversified portfolio, investors are well positioned to seek returns wherever they occur.

In USD. US Large Cap is the S&P 500 Index. US Large Cap Value is the Russell 1000 Value Index. US Small Cap is the Russell 2000 Index. US Small Cap Value is the Russell 2000 Value Index. US Real Estate is the Dow Jones US Select REIT Index. International Large Cap Value is the MSCI World ex USA Value Index (gross dividends). International Small Cap Value is the MSCI World ex USA Small Cap Value Index (gross dividends). Emerging Markets is the MSCI Emerging Markets Index (gross dividends). Five-Year US Government Fixed is the Bloomberg Barclays US TIPS Index 1-5 Years. S&P and Dow Jones data © 2020 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes. MSCI data © MSCI 2020, all rights reserved. Bloomberg Barclays data provided by Bloomberg. Chart is for illustrative purposes only. Indices are not available for direct investment. Their performance does not reflect the expenses associated with the management of an actual portfolio. Past performance is not a guarantee of future results. Diversification does not eliminate the risk of market loss.



## 8. Manage Your Emotions

### Avoid Reactive Investing



Many people struggle to separate their emotions from investing. Markets go up and down. Reacting to current market conditions may lead to making poor investment decisions.

## 9. Look beyond the Headlines

RETIRE RICH

SELL STOCKS NOW

THE LOOMING RECESSION

THE TOP 10 FUNDS TO OWN

MARKET HITS RECORD HIGH

HOUSING MARKET BOOM

Daily market news and commentary can challenge your investment discipline. Some messages stir anxiety about the future, while others tempt you to chase the latest investment fad.

When headlines unsettle you, consider the source and maintain a long-term perspective.

## 10. Focus on What You Can Control

- Create an investment plan to fit your needs and risk tolerance.
- Structure a portfolio along the dimensions of expected returns.
- Diversify globally.
- Manage expenses, turnover, and taxes.
- Stay disciplined through market dips and swings.

A financial advisor can offer expertise and guidance to help you focus on actions that add value. This can lead to a better investment experience.