
NORTHRIM

Investment Fads

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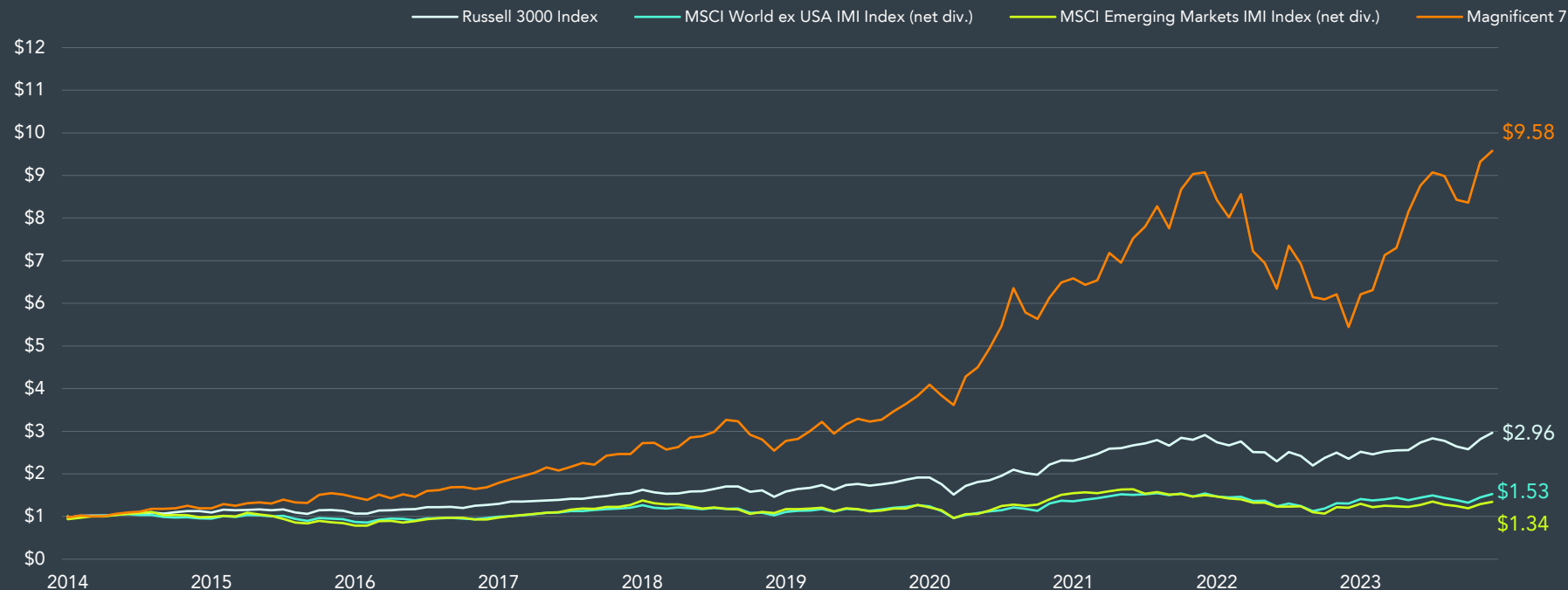
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Extrapolating the Recent Past

Growth of Wealth

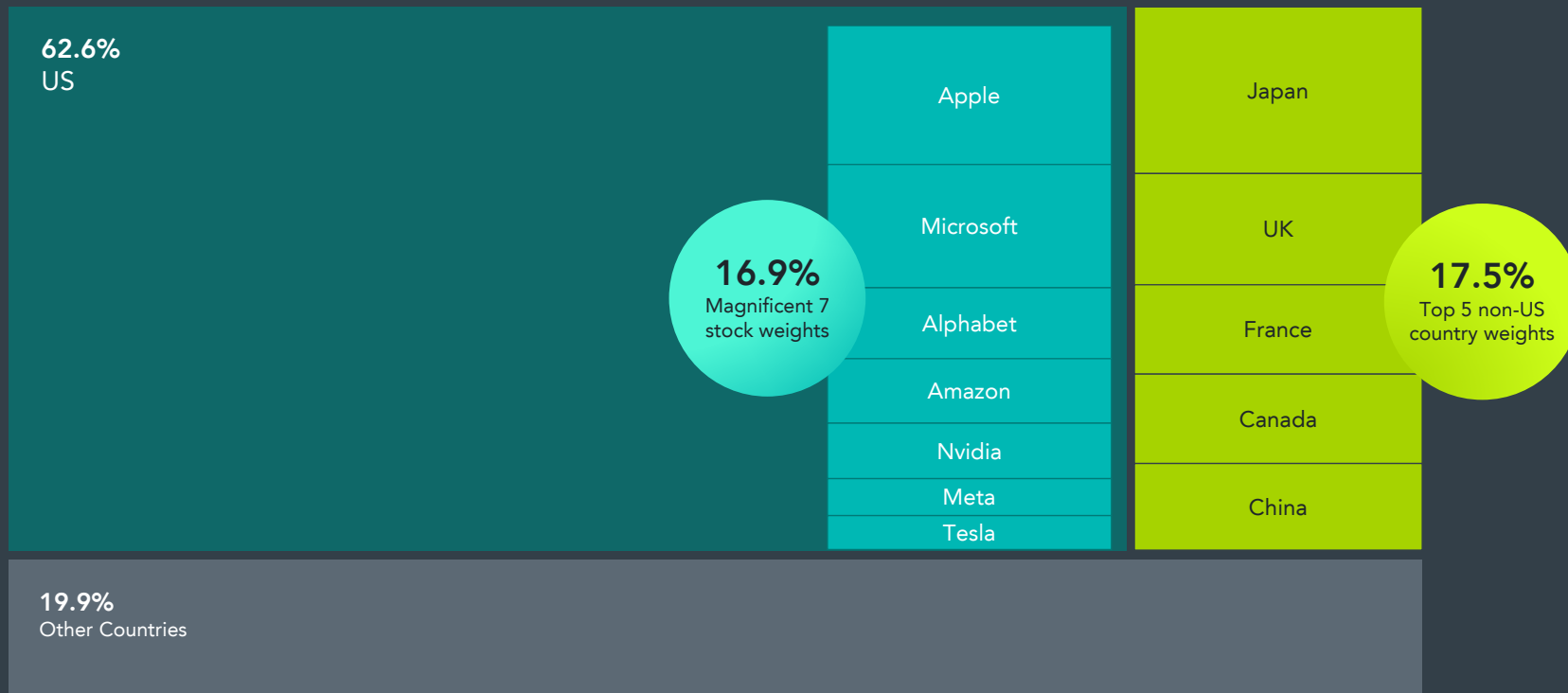
Growth of \$1 across regions, January 2014–December 2023



Growth of wealth shows the growth of a hypothetical investment of \$1 and assumes reinvestment of income and no transaction costs or taxes. The chart is for illustrative purposes only and is not indicative of any investment. Performance data shown represents past performance and is no guarantee of future results. Current performance may be higher or lower than the performance shown. MSCI data © MSCI 2024, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks and copyrights related to the Russell Indexes. Indices are not available for direct investment; therefore, their performance does not reflect the expenses associated with the management of an actual portfolio.

Top Heavy

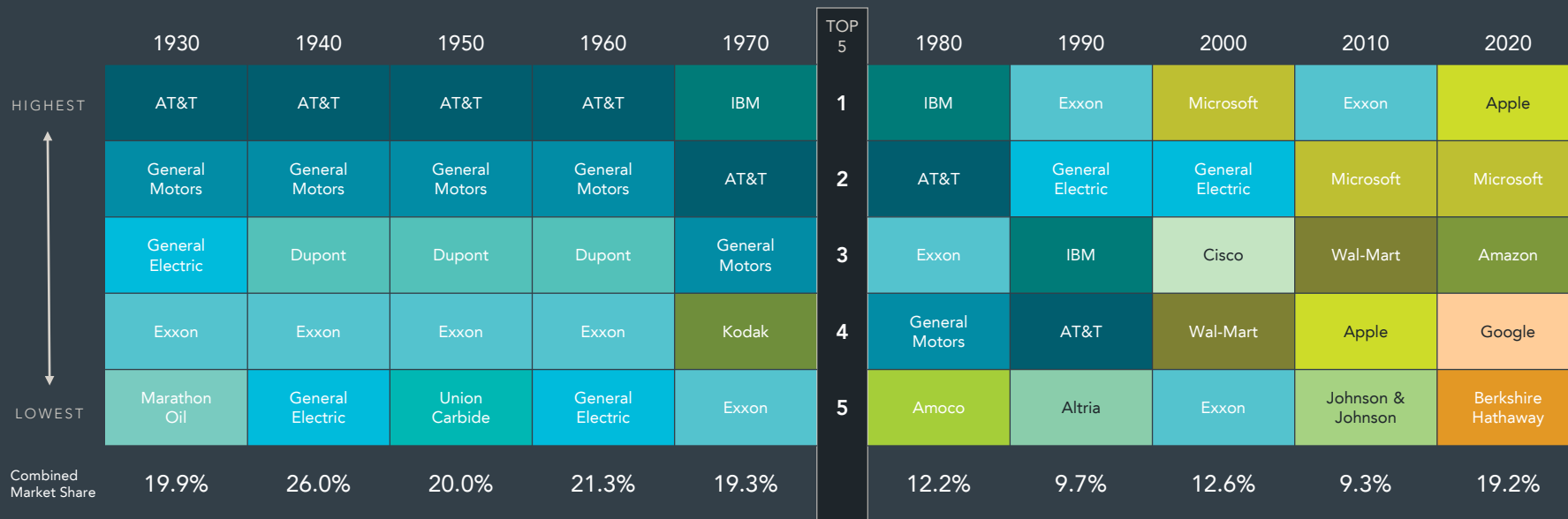
MSCI All Country World Index top country and stock weights as of December 31, 2023



Data sourced using end of month holdings. Weight determined by constituent percentage of each respective index at the issuer level. Indices are not available for direct investment. Their performance does not reflect the expenses associated with the management of an actual portfolio. MSCI data © MSCI 2024, all rights reserved. This information is intended for educational purposes and should not be considered a recommendation to buy or sell a particular security. Named securities may be held in accounts managed by Dimensional.

Largest US Stocks Over the Decades

Top 5 companies ranked by weight

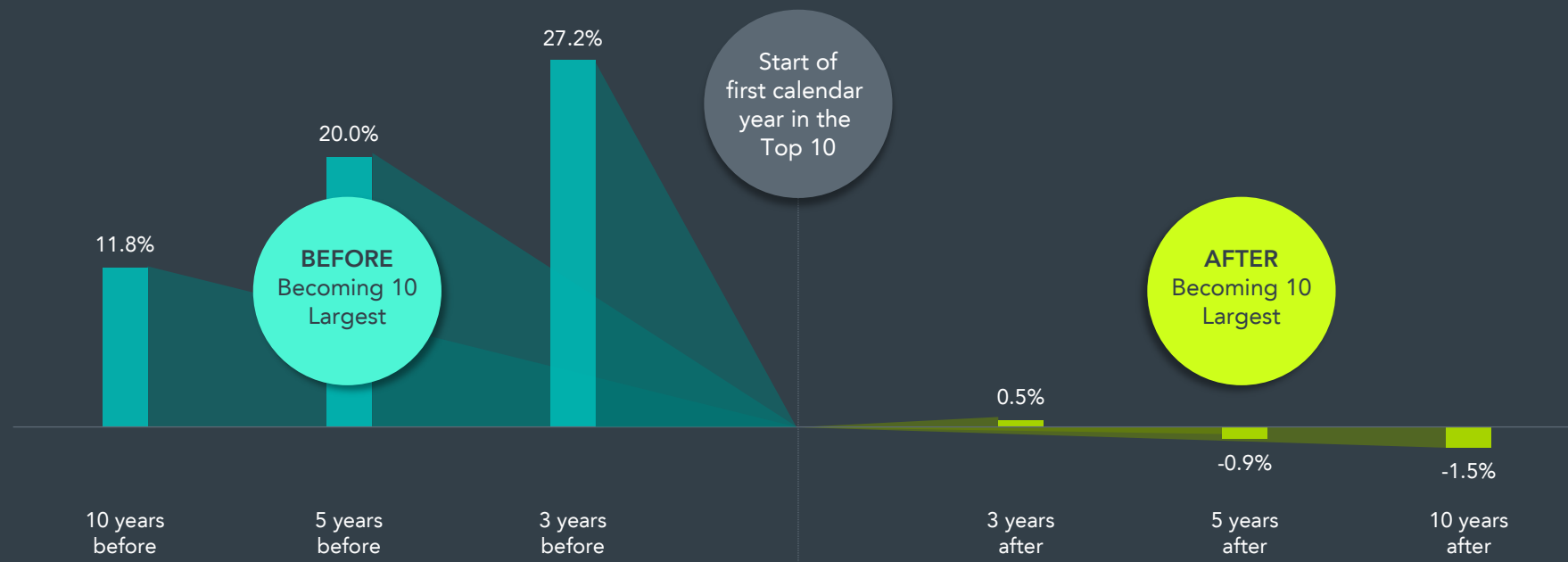


Note: Companies ranked by USD market cap at the beginning of each decade. Data from CRSP.

This information is intended for educational purposes and should not be considered a recommendation to buy or sell a particular security. Named securities may be held in accounts managed by Dimensional.

Strong Performance Unlikely to Continue

Annualized return in excess of market for stocks after joining list of 10 largest US stocks, 1927–2023



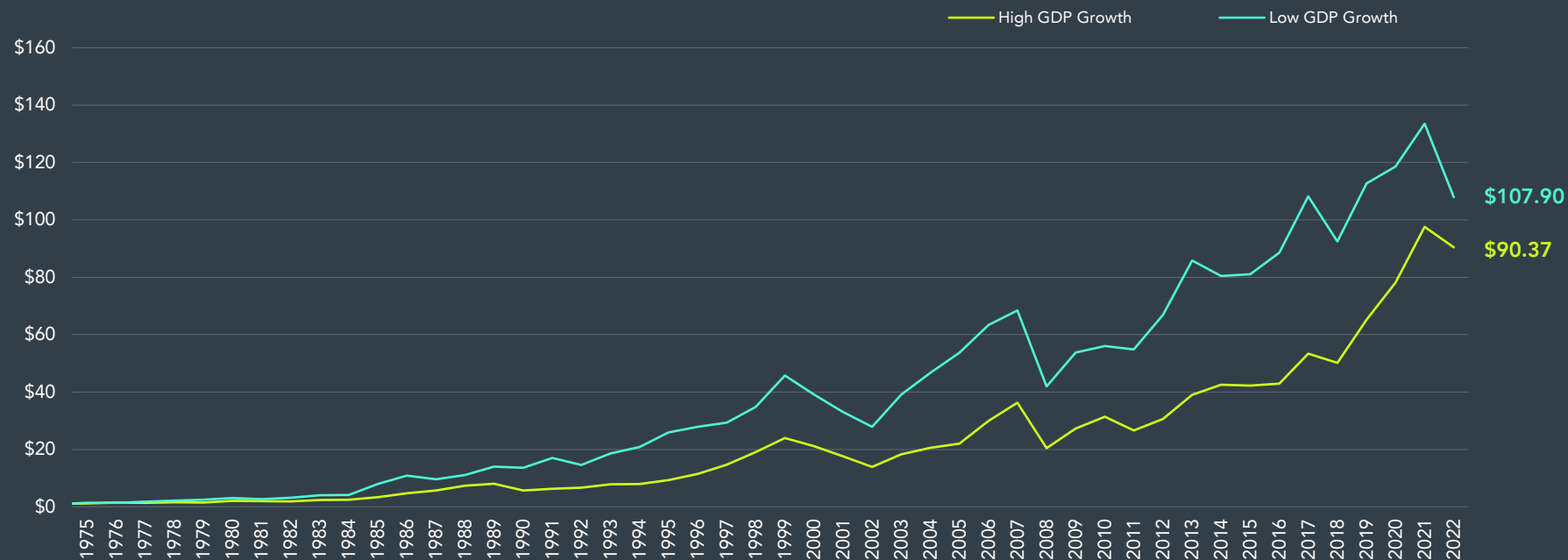
Past performance is not a guarantee of future results.

In USD. Indices are not available for direct investment; therefore, their performance does not reflect the expenses associated with the management of an actual portfolio. Data from CRSP and Compustat. Companies are sorted every January by beginning of month market capitalization to identify first time entrants into the 10 largest stocks. Market defined as Fama/French US Total Market Research Index. The Fama/French indices represent academic concepts that may be used in portfolio construction and are not available for direct investment or for use as a benchmark. See "Index Descriptions" for descriptions of the Fama/French index data.

Macro Forecasts vs Market Forecasts

Growth of Wealth

Growth of \$1 across Developed Markets in High/Low GDP Growth Countries, 1975–2022



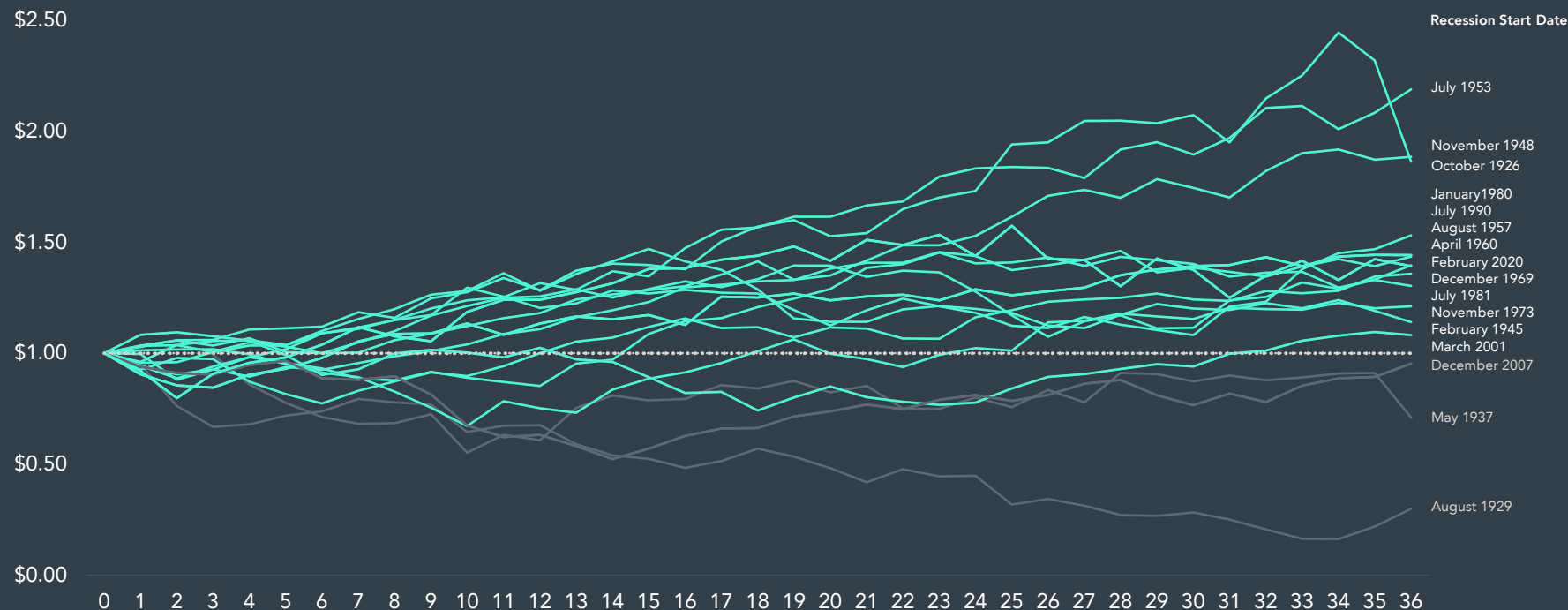
Performance data shown represents past performance and is no guarantee of future results. Current performance may be higher or lower than the performance shown.

Growth of wealth shows the growth of a hypothetical investment of \$1 and assumes reinvestment of income and no transaction costs or taxes. The chart is for illustrative purposes only and is not indicative of any investment. Each year, countries are classified as either high or low growth depending on whether their GDP growth was above or below that year's median GDP growth for developed markets. The contemporaneous annual return for each group of countries is the average stock market return of all countries in the group weighted by countries' market capitalization weights. Annual percentage growth rate of GDP at market prices based on constant local currency. Shorter time periods shown for some countries due to data availability. If a country does not have data extending for the full sample period, we use the longest data series available. Filters were applied to data retroactively and with the benefit of hindsight. Groups of stocks and their returns are hypothetical and are not representative of indices or actual strategies and do not reflect costs and fees associated with an actual investment. Actual returns may be lower. Please see "Data Appendix—Economic Growth and Equity Returns" for more information.

Past Recessions and Growth of Wealth



Growth of a dollar for US stocks over 3-year period beginning from first month of recession



In USD.

Past performance is no guarantee of future results. Actual returns may be lower.

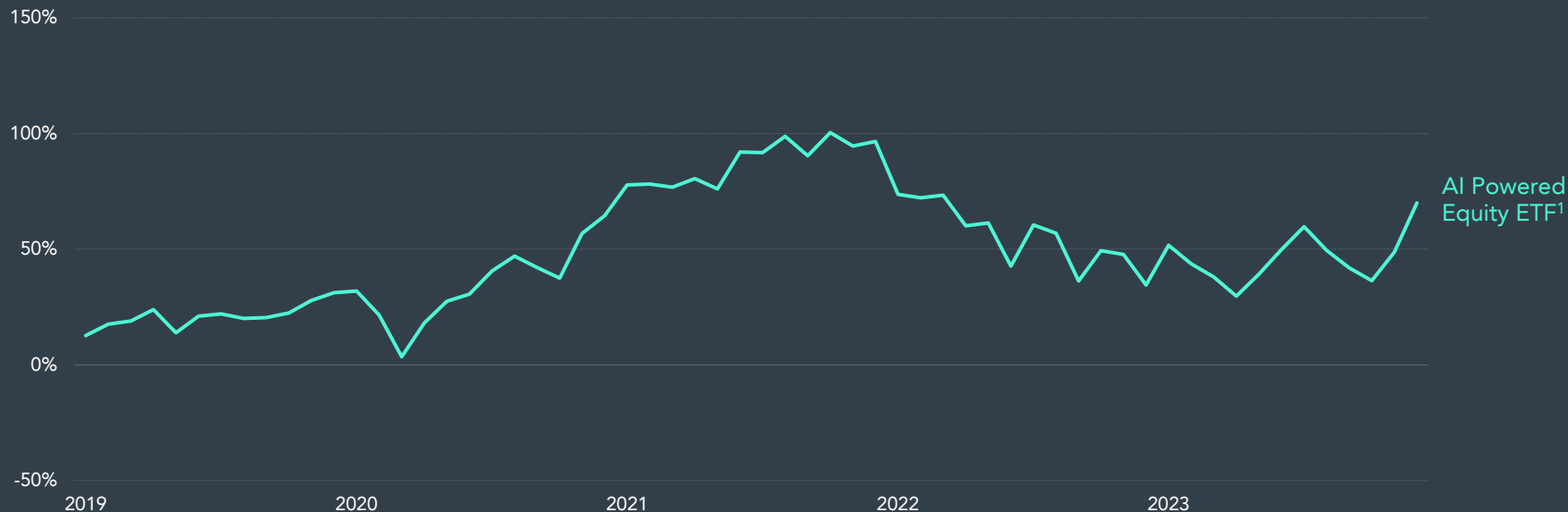
Growth of wealth shows the growth of a hypothetical investment of \$1 in the securities in the Fama/French Total US Market Research Index over the 36 months starting the month after the relevant Recession Start Date. The chart is for illustrative purposes only and is not indicative of any investment. The Fama/French Indices represent academic concepts that may be used in portfolio construction and are not available for direct investment or for use as a benchmark. Index returns are not representative of actual portfolios and do not reflect costs and fees associated with an actual investment. See "Index Descriptions" in the appendix for descriptions of Fama/French index data. For additional information on the methodology, see "Markets Have Often Been Up in Recessions: Appendix" for more details.

The Next Big Thing

Artificial Intelligence Driven and Thematic Funds



5-year cumulative returns, January 2019–December 2023

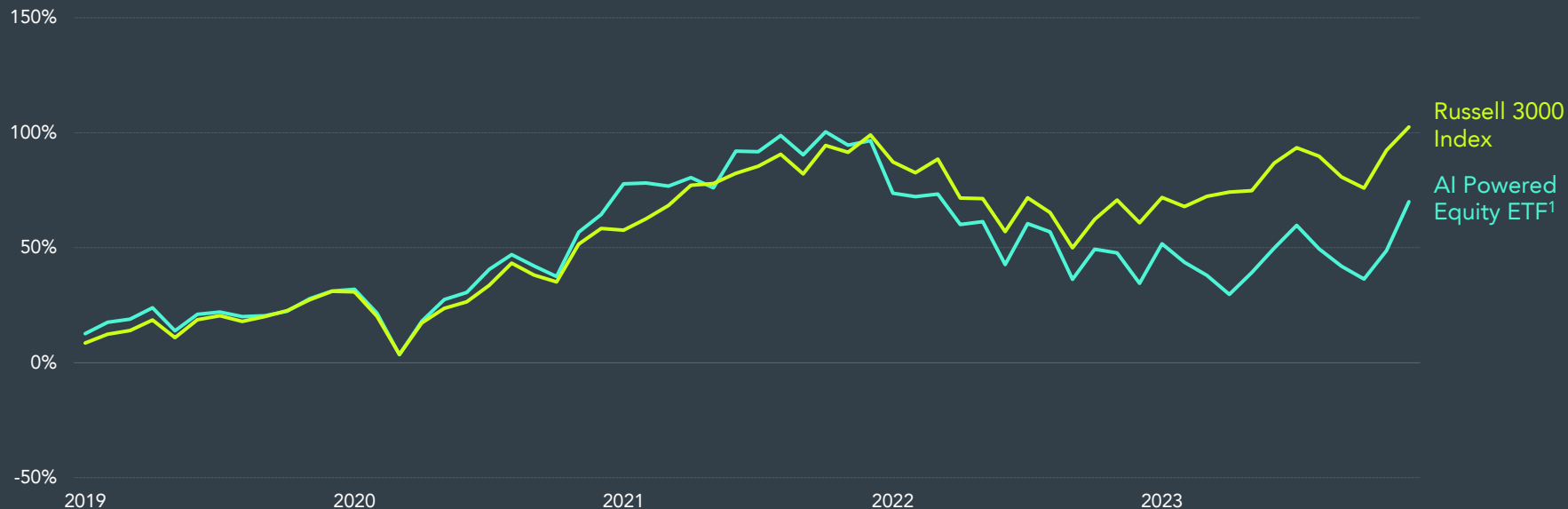


1. Investment decisions are driven by AI. Third party ETF selected because it uses IBM Watson to determine investments and was the first investment fund to use IBM Watson. Past performance is no guarantee of future results. Returns for the ETF are based on NAV. In USD.

Artificial Intelligence Driven and Thematic Funds



5-year cumulative returns, January 2019–December 2023

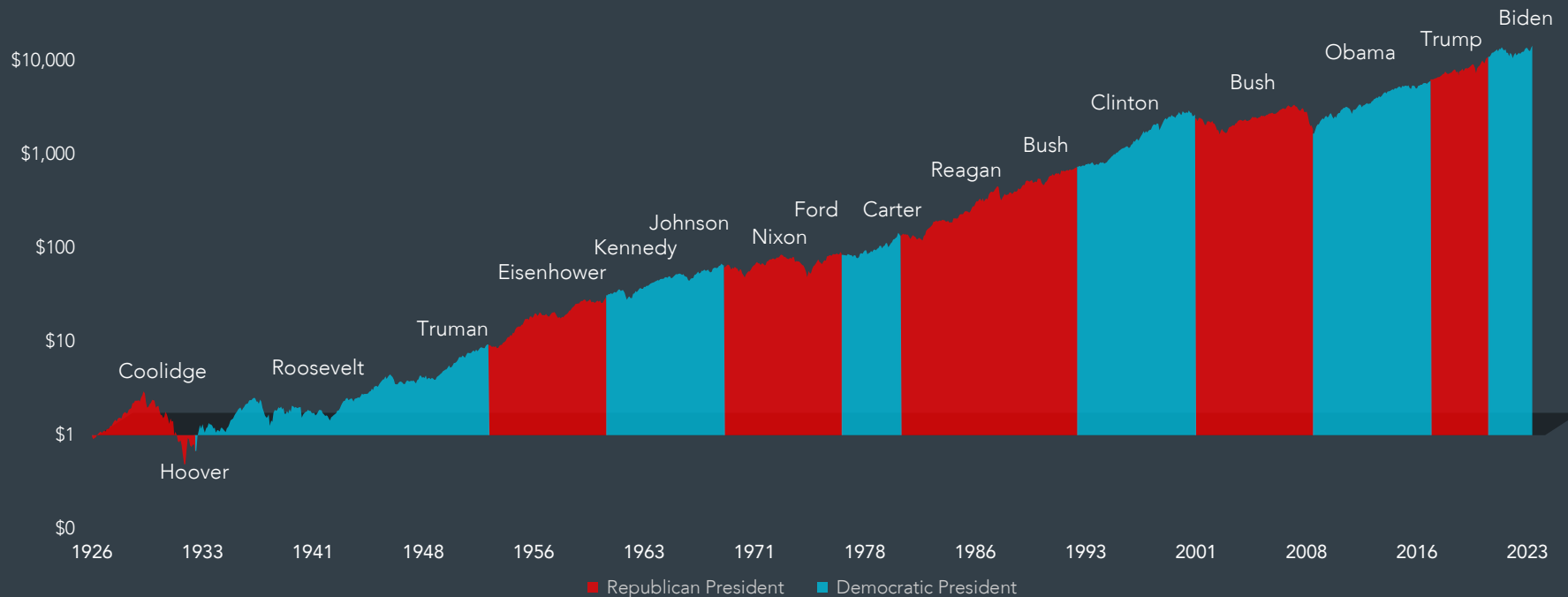


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Looking Forward

Markets Have Rewarded Long-Term Investors Under a Variety of Presidents

Hypothetical growth of a dollar invested in the S&P 500: January 1926–December 2023



Past performance is not a guarantee of future results.

Indices are not available for direct investment; therefore, their performance does not reflect the expenses associated with the management of an actual portfolio. Source: S&P data © 2024 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved.

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Appendix

Data Appendix—Economic Growth and Equity Returns

For the Equity Returns and Economic Growth in High and Low Growth Countries slide, developed markets since 1975 (unless stated differently): MSCI Australia Index (net div.), MSCI Austria Index (net div.), MSCI Belgium Index (net div.), MSCI Canada Index (net div.) (1982), MSCI Denmark Index (net div.), MSCI Finland Index (net div.) (1988), MSCI France Index (net div.), MSCI Germany Index (net div.), MSCI Hong Kong Index (net div.), MSCI Ireland Index (net div.) (1988), MSCI Israel Index (net div.) (1999), MSCI Italy Index (net div.), MSCI Japan Index (net div.), MSCI Netherlands Index (net div.), MSCI New Zealand (net div.) (1988), MSCI Norway Index (net div.), MSCI Portugal Index (net div.) (1988), MSCI Singapore Index (net div.), MSCI Spain Index (net div.), MSCI Sweden Index (net div.), MSCI Switzerland Index (net div.) (1981), MSCI United Kingdom Index (net div.), and the MSCI USA Index (net div.).

For the Equity Returns and Economic Growth in High and Low Growth Countries slide, emerging markets since 1995 (unless stated differently): MSCI Brazil Index (gross div.), MSCI Chile Index (gross div.), MSCI China Index (gross div.), MSCI Colombia Index (gross div.), MSCI Czech Republic Index (gross div.), MSCI Greece Index (gross div.), MSCI Hungary Index (gross div.), MSCI India Index (gross div.), MSCI Indonesia Index (gross div.), MSCI Korea Index (gross div.), MSCI Malaysia Index (gross div.), MSCI Mexico Index (gross div.), MSCI Peru Index (gross div.), MSCI Philippines Index (gross div.), MSCI Poland Index (gross div.), MSCI Russia Index (gross div.), MSCI South Africa (gross div.), MSCI Thailand Index (gross div.), MSCI Turkey Index (gross div.). Annual percentage growth rate of GDP at market prices based on constant local currency. Aggregates are based on constant 2010 U.S. dollars, as provided by the World Bank.

Markets Have Often Been Up in Recessions: Appendix

Growth of wealth shows the growth of a hypothetical investment of \$1 in the securities in the Fama/French Total US Market Research Index over the 36 months starting the month after the relevant Recession Start Date.

Index data presented in the growth of wealth chart is hypothetical and assumes reinvestment of income and no transaction costs or taxes. Sample includes 16 US recessions as identified by the National Bureau of Economic Research (NBER) from October 1926 to December 2021. NBER defines recessions as starting at the peak of a business cycle. A business cycle is a description of the various stages of economic output.

Fama/French Total US Market Research Index: July 1926–present: Fama/French Total US Market Research Factor + One-Month US Treasury Bills. Source: Ken French Website.

Index Descriptions

Fama/French Total US Market Research Index: July 1926–present: Fama/French Total US Market Research Factor + One-Month US Treasury Bills. Source: Ken French Website.

Fama/French US Small Cap Research Index: July 1926–present: Fama/French US Small Cap Research Index. Courtesy of Fama/French from CRSP and Compustat securities data. Includes NYSE securities (plus AMEX equivalents since July 1962 and NASDAQ equivalents since 1973) in the lower 50% market equity range of NYSE firms; rebalanced annually in June.

Fama/French US Large Cap Research Index: July 1926–present: Fama/French US Large Cap Research Index. Courtesy of Fama/French from CRSP and Compustat securities data. Includes NYSE securities (plus AMEX equivalents since July 1962 and NASDAQ equivalents since 1973) in the upper 50% market equity range of NYSE firms; rebalanced annually in June.

Fama/French US Value Research Index: Provided by Fama/French from CRSP securities data. Includes the lower 30% in price-to-book of NYSE securities (plus NYSE Amex equivalents since July 1962 and Nasdaq equivalents since 1973).

Fama/French US Growth Research Index: Provided by Fama/French from CRSP securities data. Includes the higher 30% in price-to-book of NYSE securities (plus NYSE Amex equivalents since July 1962 and Nasdaq equivalents since 1973).

Fama/French US Small Value Research Index: Provided by Fama/French from CRSP securities data. Includes the lower 30% in price-to-book of NYSE securities (plus NYSE Amex equivalents since July 1962 and Nasdaq equivalents since 1973) that have smaller market capitalization than the median NYSE company.

Fama/French US Small Growth Research Index: Provided by Fama/French from CRSP securities data. Includes the higher 30% in price-to-book of NYSE securities (plus NYSE Amex equivalents since July 1962 and Nasdaq equivalents since 1973) that have smaller market capitalization than the median NYSE company.

Fama/French US Large Value Research Index: Provided by Fama/French from CRSP securities data. Includes the lower 30% in price-to-book of NYSE securities (plus NYSE Amex equivalents since July 1962 and Nasdaq equivalents since 1973) that have larger market capitalization than the median NYSE company.

Fama/French US Large Growth Research Index: Provided by Fama/French from CRSP securities data. Includes the higher 30% in price-to-book of NYSE securities (plus NYSE Amex equivalents since July 1962 and Nasdaq equivalents since 1973) that have larger market capitalization than the median NYSE company.

Fama/French US High Profitability Index: July 1963–present: Fama/French US High Profitability Index. Courtesy of Fama/French from CRSP and Compustat securities data. Includes all stocks in the upper 30% operating profitability range of NYSE eligible firms; rebalanced annually in June. OP for June of year t is annual revenues minus cost of goods sold, interest expense, and selling, general, and administrative expenses divided by book equity for the last fiscal year end in $t-1$. Fama/French and multifactor data provided by Fama/French.

Fama/French US Low Profitability Index: July 1963–present: Fama/French US Low Profitability Index. Courtesy of Fama/French from CRSP and Compustat securities data. Includes all stocks in the lower 30% operating profitability range of NYSE eligible firms; rebalanced annually in June. OP for June of year t is annual revenues minus cost of goods sold, interest expense, and selling, general, and administrative expenses divided by book equity for the last fiscal year end in $t-1$. Fama/French and multifactor data provided by Fama/French.

Results shown during periods prior to each index's index inception date do not represent actual returns of the respective index. Other periods selected may have different results, including losses. Backtested index performance is hypothetical and is provided for informational purposes only to indicate historical performance had the index been calculated over the relevant time periods. Backtested performance results assume the reinvestment of dividends and capital gains. Profitability is measured as operating income before depreciation and amortization minus interest expense scaled by book. Eugene Fama and Ken French are members of the Board of Directors of the general partner of, and provide consulting services to, Dimensional Fund Advisors LP.

Index Descriptions

Fama/French International Market Index: January 1975–present: Fama/French International Market Index. Source: Ken French website. Simulated from MSCI and Bloomberg data.

Fama/French International Value Index: January 1975–present: Fama/French International Value Index. Simulated strategy of international developed countries with securities in the lower 30% price-to-book range. Source: Ken French website. Simulated from MSCI and Bloomberg data.

Fama/French International Growth Index: January 1975–present: Fama/French International Growth Index. Simulated strategy of international developed countries with securities in the higher 30% price-to-book range. Source: Ken French website. Simulated from MSCI and Bloomberg data.

Fama/French International High Profitability Index: July 1990–present: Fama/French International High Profitability Index. Courtesy of Fama/French from Bloomberg securities data. Includes stocks in the upper 30% operating profitability range in each region; companies weighted by float-adjusted market cap; rebalanced annually in June. OP for June of year t is annual revenues minus cost of goods sold, interest expense, and selling, general, and administrative expenses divided by book equity for the last fiscal year end in $t-1$. Fama/French and multifactor data provided by Fama/French.

Fama/French International Low Profitability Index: July 1990–present: Courtesy of Fama/French from Bloomberg securities data. Includes stocks in the lower 30% operating profitability range in each region; companies weighted by float-adjusted market cap; rebalanced annually in June. OP for June of year t is annual revenues minus cost of goods sold, interest expense, and selling, general, and administrative expenses divided by book equity for the last fiscal year end in $t-1$. Fama/French and multifactor data provided by Fama/French.

Fama/French Emerging Markets Index: July 1989–present: Fama/French Emerging Markets Index. Courtesy of Fama/French from Bloomberg and IFC securities data. Companies weighted by float-adjusted market cap; rebalanced annually in June. Fama/French and multifactor data provided by Fama/French.

Fama/French Emerging Markets Value Index: July 1989–present: Fama/French Emerging Markets Value Index. Courtesy of Fama/French from Bloomberg and IFC securities data. Includes stocks in the upper 30% book-to-market range in each country; companies weighted by float-adjusted market cap; rebalanced annually in June. Fama/French and multifactor data provided by Fama/French.

Fama/French Emerging Markets Growth Index: July 1989–present: Fama/French Emerging Markets Growth Index. Courtesy of Fama/French from Bloomberg and IFC securities data. Includes stocks in the bottom 30% book-to-market range in each country; companies weighted by float-adjusted market cap; rebalanced annually in June. Fama/French and multifactor data provided by Fama/French.

Fama/French Emerging Markets High Profitability Index: July 1991–present: Fama/French Emerging Markets High Profitability Index. Courtesy of Fama/French from Bloomberg and IFC securities data. Includes stocks in the upper 30% operating profitability range in each country; companies weighted by float-adjusted market cap; rebalanced annually in June. OP for June of year t is annual revenues minus cost of goods sold, interest expense, and selling, general, and administrative expenses divided by book equity for the last fiscal year end in $t-1$. Fama/French and multifactor data provided by Fama/French.

Fama/French Emerging Markets Low Profitability Index: July 1991–present: Fama/French Emerging Markets Low Profitability Index. Courtesy of Fama/French from Bloomberg and IFC securities data. Includes stocks in the lower 30% operating profitability range in each country; companies weighted by float-adjusted market cap; rebalanced annually in June. OP for June of year t is annual revenues minus cost of goods sold, interest expense, and selling, general, and administrative expenses divided by book equity for the last fiscal year end in $t-1$. Fama/French and multifactor data provided by Fama/French.

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