Why diversification makes sense long term

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Return	Std Dev
EM	US Sm Cap	US REITs	US REITs	US Sm Cap	EM	T-bills	US Lg Cap	US Sm Cap	US REITs	US Lg Cap	Comm.
18.2%	38.8%	30.3%	2.5%	21.3%	37.3%	1.9%	31.5%	20.0%	43.1%	16.6%	23.4%
US REITs	US Lg Cap	US Lg Cap	US Lg Cap	High Yield Bond	Int'l Dev	Core Bonds	US Sm Cap	US Lg Cap	Comm.	US Sm Cap	EM
18.0%	32.4%	13.7%	1.4%	16.6%	25.0%	0.0%	25.5%	18.4%	40.4%	13.2%	16.8%
EM Bonds	Int'l Dev	Core Bonds	EM Bonds	US Lg Cap	US Lg Cap	TIPS	US REITs	EM	US Lg Cap	US REITs	US REITs
17.9%	22.8%	6.0%	1.3%	12.0%	21.8%	-1.3%	24.4%	18.3%	28.7%	11.2%	16.2%
Int'l Dev	Diversified	US Sm Cap	Core Bonds	Comm.	Diversified	Int'l Dev Bonds	Int'l Dev	TIPS	US Sm Cap	Diversified	US Sm Cap
17.3%	13.9%	4.9%	0.5%	11.4%	16.8%	-2.1%	22.0%	11.0%	14.8%	8.5%	14.5%
US Sm Cap	High Yield Bond	EM Bonds	T-bills	EM	US Sm Cap	EM Bonds	Diversified	Diversified	Int'l Dev	Int'l Dev	Int'l Dev
16.3%	6.6%	4.8%	0.0%	11.2%	14.6%	-2.5%	19.5%	10.5%	11.3%	8.0%	13.2%
US Lg Cap	US REITs	TIPS	Int'l Dev	EM Bonds	Int'l Dev Bonds	High Yield Bond	EM	Int'l Dev Bonds	Diversified	High Yield Bond	US Lg Cap
16.0%	2.4%	3.6%	-0.8%	9.9%	10.5%	-2.6%	18.4%	10.1%	11.1%	6.3%	12.2%
High Yield Bond	T-bills	Diversified 3.2%	TIPS	Diversified	EM Bonds	US REITs	Comm.	Int'l Dev	TIPS	EM	Diversified
15.4%	0.1%		-1.4%	8.7%	8.2%	-3.8%	17.6%	7.8%	6.0%	5.5%	8.5%
Diversified	Comm.	High Yield Bond	Diversified	US REITs	High Yield Bond	US Lg Cap	High Yield Bond	Core Bonds	High Yield Bond	EM Bonds	High Yield Bond
14.1%	-1.2%	2.1%	-2.3%	8.5%	6.8%	-4.4%	15.3%	7.5%	4.5%	5.1%	7.5%
TIPS	Core Bonds	T-bills	US Sm Cap	TIPS	Comm.	Diversified	EM Bonds	EM Bonds	T-bills	TIPS	EM Bonds
7.0%	-2.0%	0.0%	-4.4%	4.7%	5.8%	-7.2%	13.1%	6.5%	0.0%	3.1%	7.2%
Core Bonds	EM	EM	High Yield Bond	Core Bonds	US REITs	US Sm Cap	Core Bonds	High Yield Bond	Core Bonds	Core Bonds	Int'l Dev Bonds
4.2%	-2.6%	-2.2%	-5.3%	2.6%	4.3%	-11.0%	8.7%	5.9%	-1.5%	2.9%	6.3%
Int'l Dev Bonds	Int'l Dev Bonds	Int'l Dev Bonds	Int'l Dev Bonds	Int'l Dev Bonds	Core Bonds	Int'l Dev	TIPS	T-bills	EM Bonds	Int'l Dev Bonds	TIPS
4.1%	-3.1%	-3.1%	-6.0%	1.5%	3.5%	-13.8%	8.4%	0.6%	-1.7%	0.8%	5.7%
Comm.	EM Bonds	Int'l Dev	EM	Int'l Dev	TIPS	Comm.	Int'l Dev Bonds	US REITs	EM	T-bills	Core Bonds
0.1%	-4.1%	-4.9%	-14.9%	1.0%	3.0%	-13.8%	5.1%	-7.5%	-2.5%	0.6%	3.7%
T-bills	TIPS	Comm.	Comm.	T-bills	T-bills	EM	T-bills	Comm.	Int'l Dev Bonds	Comm.	T-bills
0.1%	-8.6%	-33.1%	-32.9%	0.3%	0.8%	-14.6%	2.3%	-23.7%	-7.0%	-5.5%	0.8%

Source: Schwab Center for Financial Research with data provided by Morningstar, Inc. Data is from January 1, 2012, to December 31, 2021. Asset class performance is represented by annual total returns for the following indexes: S&P 500® Index (U.S. Large-Cap), Russell 2000® Index (U.S. Small-Cap), MSCI EAFE® Index -Net of Taxes (Int'l Dev), MSCI Emerging Markets IndexSM (EM), S&P US REIT Index (US REITs), S&P GSCI® (Comm.), Bloomberg US Treasury Inflation-Linked Bond Index (TIPS), Bloomberg US Dagregate Bond Index (Fight Wield Bonds), Bloomberg Emerging Markets USD Aggregate Bond Index (EM Bonds), Bloomberg Global Aggregate Ex-US Bond Index (Int'l Dev Bonds), FTSE U.S. 3-month Treasury Bill Index (T-Bills). Returns assume reinvestment of dividends, interest, and capital gains. Indices are unmanaged, do not incur fees or expenses, and cannot be invested in directly. For additional information, please see Schwab.com/IndexDefinitions. Past performance is no guarantee of future results.

Diversification strategies do not ensure a profit and do not protect against losses in declining markets.



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Small-cap stocks are subject to greater volatility than those in other asset categories.

Fixed income securities are subject to increased loss of principal during periods of rising interest rates. Fixed-income investments are subject to various other risks including changes in credit quality, market valuations, liquidity, prepayments, early redemption, corporate events, tax ramifications and other factors. Lower rated securities are subject to greater credit risk, default risk, and liquidity risk.

Treasury Inflation Protected Securities (TIPS) are inflation-linked securities issued by the US Government whose principal value is adjusted periodically in accordance with the rise and fall in the inflation rate. Thus, the dividend amount payable is also impacted by variations in the inflation rate, as it is based upon the principal value of the bond. It may fluctuate up or down. Repayment at maturity is guaranteed by the US Government and may be adjusted for inflation to become the greater of the original face amount at issuance or that face amount plus an adjustment for inflation.

International investments involve additional risks, which include differences in financial accounting standards, currency fluctuations, geopolitical risk, foreign taxes and regulations, and the potential for illiquid markets. Investing in emerging markets may accentuate these risks.

Commodity-related products, including futures, carry a high level of risk and are not suitable for all investors. Commodity-related products may be extremely volatile, illiquid and can be significantly affected by underlying commodity prices, world events, import controls, worldwide competition, government regulations, and economic conditions.

Performance may be affected by risks associated with investments in specific countries or sectors. Additional risks may also include, but are not limited to, investments in foreign securities, especially emerging markets, real estate investment trusts (REITs), commodities, fixed income and small capitalization securities. Each individual investor should consider these risks carefully before investing in a particular security or strategy.

Real Estate Investment Trusts (REITs) Risks of the REITs are similar to those associated with direct ownership of real estate, such as changes in real estate values and property taxes, interest rates, cash flow of underlying real estate assets, supply and demand, and the management skill and credit worthiness of the issuer. Small cap stocks are subject to greater volatility than those in other asset categories.

Data contained herein from third party providers is obtained from what are considered reliable sources. However, its accuracy, completeness or reliability cannot be guaranteed. Supporting documentation for any claims or statistical information is available upon request.

Standard deviation is a statistical measure that calculates the degree to which returns have fluctuated over a given time period. A higher standard deviation indicates a higher level of variability in returns.

The diversified portfolio is a hypothetical portfolio consisting of 18% S&P 500, 10% Russell 2000, 3% S&P U.S. REIT, 12% MSCI EAFE, 8% MSCI EAFE Small Cap, 8% MSCI EM, 2% S&P Global Ex-U.S. REIT, 1% Bloomberg U.S. Treasury 3-7 Yr, 1% Bloomberg US Agency, 6% Bloomberg US Securitized, 2% Bloomberg U.S. Credit, 4% Bloomberg Global Agg Ex-USD, 9% Bloomberg VLI High Yield, 6% Bloomberg EM Aggregate, 2% S&P GCSI Precious Metals, 1% S&P GSCI Energy, 1% S&P GSCI Industrial Metals, 1% S&P GSCI Agricultural, 5% Bloomberg U.S. Short Treasury 1-3 Mo. Including fees and expenses in the diversified portfolio would lower returns. The portfolio is rebalanced annually.

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