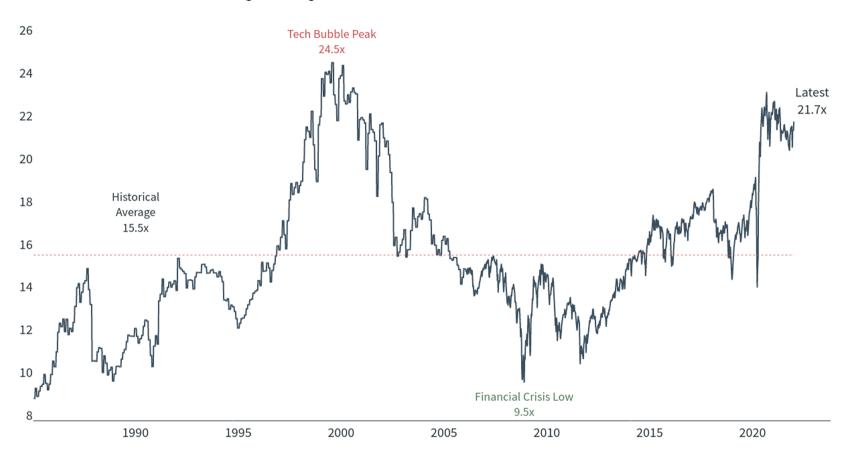


Does It Continue? - Chartbook

Cliff Jarvis | Investment Advisor | January 9, 2022

Stock Market Price-to-Earnings Ratio

S&P 500 forward P/E ratio using earnings estimates over the next twelve months



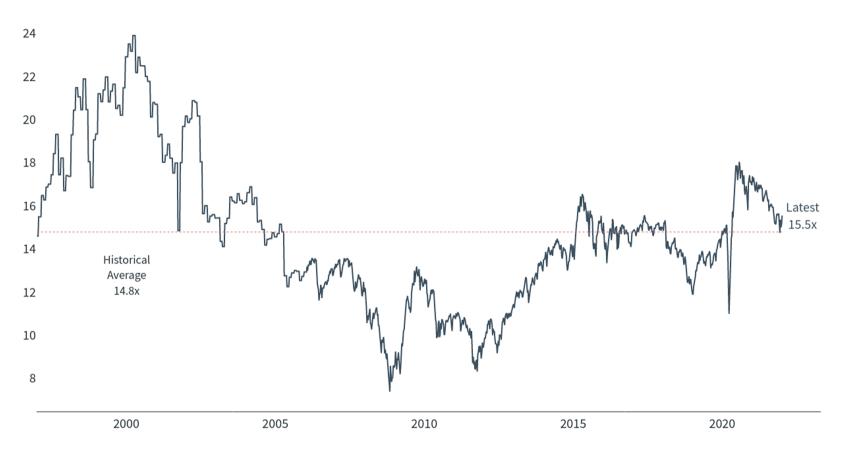
- This PE ratio uses next-twelve-month earnings estimates.
- This valuation measure is still near its dot-com era peak, but has stabilized as earnings have increased.
- Investors should exercise caution and properly diversify across asset classes, both in the U.S. and globally.

Latest data point is Jan 4, 2022

Source: Refinitiv

European Equity Valuations

MSCI Europe Index Forward P/E Ratio



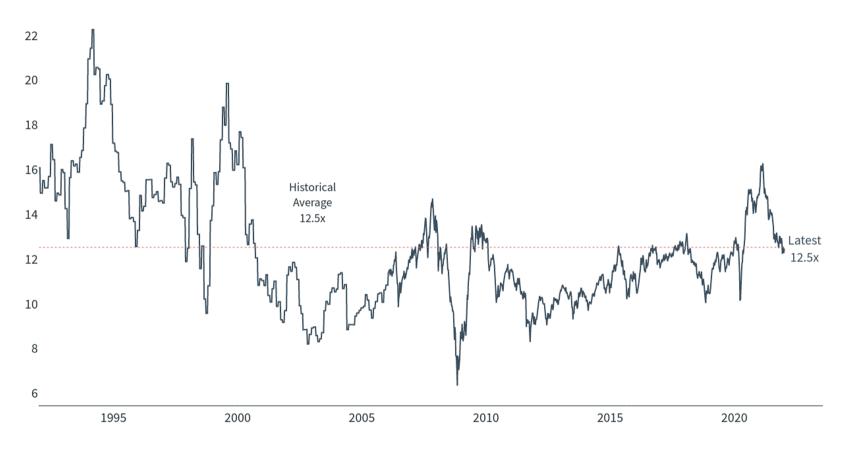
Latest data point is Jan 5, 2022

• While U.S. stock valuations have exceeded their historical averages, European stocks are as elevated.

Source: MSCI, Thomson Reuters

Emerging Market Valuations

MSCI EM Index Forward P/E Ratio

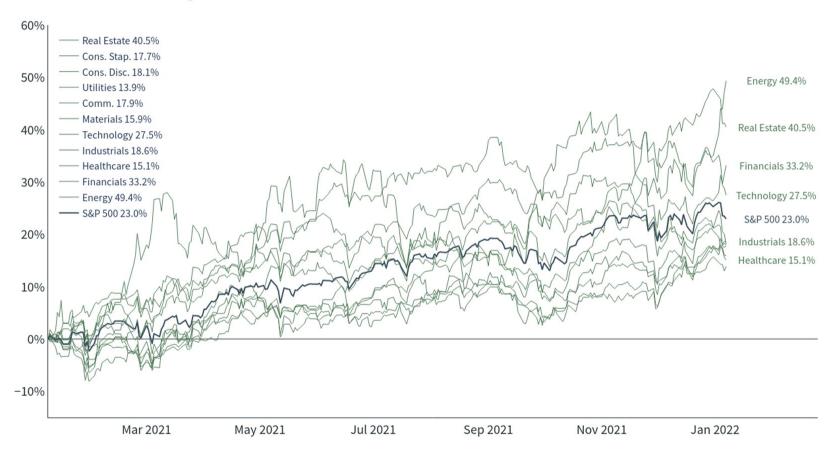


Latest data point is Jan 5, 2022

• Although they face significant risks, emerging market stocks are still the cheapest of the major regions by many measures.

Sector Returns – Year Over Year

S&P 500 Sectors, Daily



- Stock market sectors have seen divergent performance due to the pandemic and rising interest rates.
- Technology sectors have led the pack but rotations to commodity-sensitive, consumer and rate-sensitive have occurred since.
- Most investors should continue to benefit from broad diversification across sectors and industries as the world heals.

Latest data point is Jan 7, 2022

Source: Standard & Poor's

Definitions and Methodology

The **S&P 500** is a market capitalization-weighted index of large cap U.S. stocks. U.S. **mid cap** and **small cap** are the S&P 400 and S&P 600, respectively. **Value** and **growth** are the corresponding Standard and Poor's value and growth indices.

MSCI EM is an index of emerging market stocks. **MSCI EAFE** is an index of developed market stocks. **MSCI ACWI** is an index of global stocks.

The **forward P/E** is a ratio of the current market price of an index divided by an estimate of earnings over the next twelve months. The **Shiller P/E** is based on Robert Shiller's cyclically adjusted price-to-earnings ratio.

The **AAII Investor Sentiment** index is based on a weekly survey conducted by AAII.

Unless stated otherwise, **earnings** and **valuations** data are from Refinitiv indices.

The **LEI**, or Leading Economic Index, is produced monthly by the Conference Board.

Consumer sentiment indices are based on surveys conducted by the University of Michigan Surveys of Consumers.

Asset Class Performance and Asset Classes Relative to U.S. Stocks charts: The EM, EAFE, Small Cap, Fixed Income and Commodities are these indices, respectively: MSCI EM, MSCI EAFE, Russell 2000, iShares Core U.S. Bond Aggregate, Bloomberg Commodity Index.

Fixed Income Performance: All sectors are represented by the Bloomberg Barclays bond indices except for EMD USD and Local which are the JPMorgan EMBIG Diversified Index and JPMorgan GBI-EM Core Index, respectively.

The Balanced Portfolio is a hypothetical 60/40 portfolio consisting of 40% U.S. Large Cap, 5% Small Cap, 10% International Developed Equities, 5% Emerging Market Equities, 35% U.S. Bonds, and 5% Commodities.

The **Bloomberg Commodity Index** is a broadly diversified basket of physical commodities futures contracts.

The **DXY** is a U.S. dollar index based on a basket of currencies, including the Euro, Yen, Pound, Canadian Dollar, Swedish Krona and Swiss Franc.

Portfolio Risk/Reward and Portfolio Drift Since 2009 charts: stocks and bonds are the S&P 500 and iShares Core U.S. Bond Aggregate, respectively. Each portfolio represents a hypothetical stock/bond asset allocation.

The MSCI Factor indices are created and maintained by MSCI to capture factor returns. They cover various factors including Quality, Size, Momentum, Volatility, Value and Yield. The Multi-Factor index tracks the performance of Value, Momentum, Quality and Size.

The MSCI USA index tracks large and mid cap U.S. stocks.

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