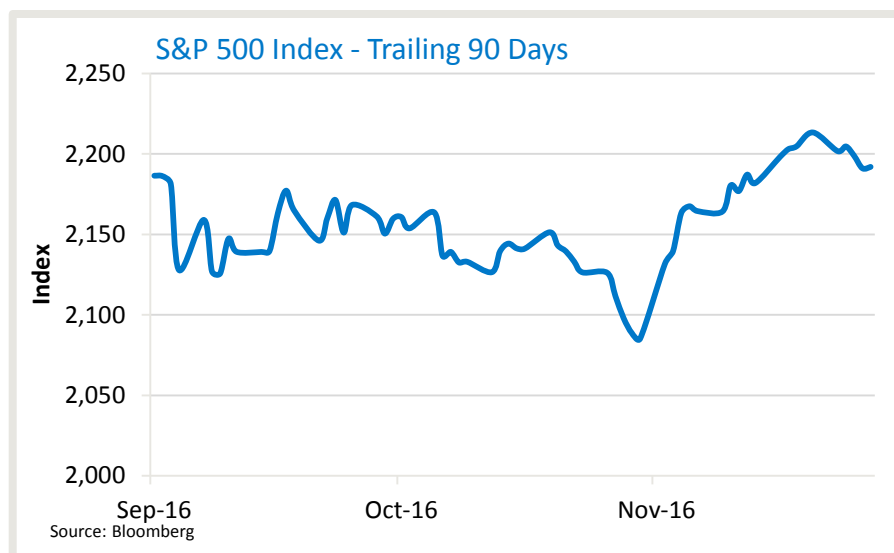


Weekly Market Review

December 2, 2016

Chart of the Week



Weekly Highlights

- **Stock prices were slightly lower.** The market's sharp rally following the election took a breather this week, as investors considered today's employment data and the prospect of a rate hike by the Federal Reserve (Fed) at its upcoming meeting. Today's release of November employment data showed job growth of 178,000, roughly in line with expectations. The unemployment rate dropped to 4.6%, a cyclical low. The level of job growth should support a Fed decision to hike the fed funds rate.
- **U.S. Treasury yields were higher,** reaching their highest level since June 2015 on expectations of accelerating growth. Prices of U.S. Treasuries in November suffered their worst monthly decline since 2009.
- **Commodity indices jumped,** as energy prices surged on news that OPEC will cut production.

Talking Points

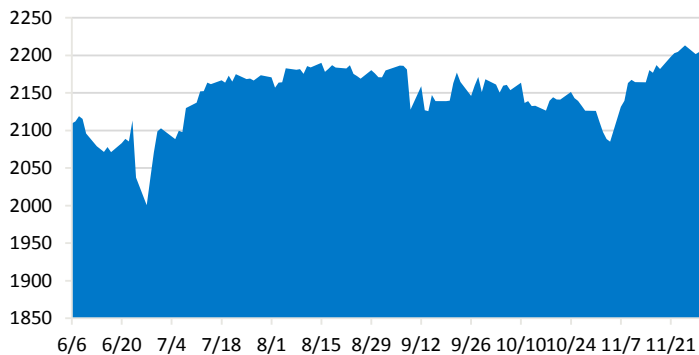
- **Among equities,** small caps underperformed large caps; value stocks outperformed growth stocks, and domestic stocks slightly underperformed international equities. Developed markets outperformed emerging markets.
- **Treasury prices were lower.** The yield on the 10-year T-note rose in advance of a potential rate hike.
- **Commodity indices rallied,** as energy prices surged.
- **The dollar was lower** against a basket of six major currencies.
- **Among economic data released,** employers added 178,000 jobs in November, in line with expectations; the unemployment rate declined to 4.6% from 4.9%; the latest estimate of third-quarter real Gross Domestic Product (GDP) came in at 3.2%, beating forecasts; an index of manufacturing services rose; a measure of existing home sales rose; and initial jobless claims were modestly higher.

Market Dashboard

	Last Price	Change	% Chg.	YTD %
S&P 500	2,191.95	-21.40	-0.97%	7.2%
Dow Industrials	19,170.42	18.28	0.10%	10.0%
Nasdaq	5,255.65	-143.27	-2.65%	5.0%
Russell 2000	1,314.25	-32.95	-2.45%	15.7%
Euro Stoxx Index	339.36	-3.09	-0.90%	-7.2%
Shanghai Composite	3,243.84	-18.09	-0.55%	-8.3%
Russell Global	1,723.34	-11.12	-0.64%	3.9%

Source: Bloomberg; Index % change is based on price.

S&P 500 Index: Trailing 180 Days



Source: Bloomberg

	Last Price	Change	% Chg.	YTD %
Russell Global EM	2,718.13	9.43	0.35%	7.1%
10-Year US Treas.	2.39	2 bps	NM	NM
DJ UBS Comm. Idx.	87.04	2.01	2.36%	10.8%
Gold	\$1,177.29	-\$7.82	-0.66%	10.8%
Crude Oil	\$51.60	\$5.51	11.96%	16.6%
Dollar Index	100.66	-0.83	-0.82%	2.1%
VIX Index	14.12	1.78	14.42%	-22.5%

One Week			YTD		
Value		Growth	Value		Growth
-0.09%	-0.93%	-1.74%	10.27%	6.35%	2.80%
-0.17%	-1.24%	-2.53%	15.54%	10.25%	4.72%
-1.19%	-2.45%	-3.78%	24.00%	15.70%	7.69%

Source: Bloomberg

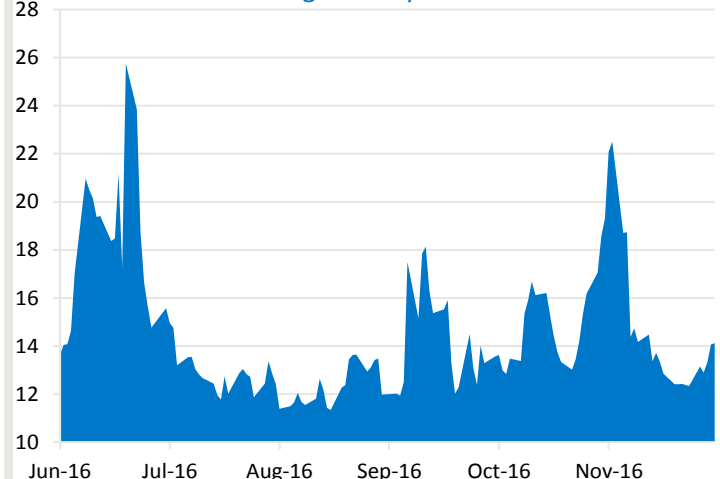
Sector Performance:

S&P/Global Industry Classification Sectors (GICS)

	% Wgt in S&P 500	Week % Chg.	YTD % Chg.
Consumer Discretionary	12.3	-1.99%	3.9%
Consumer Staples	9.3	-1.44%	-0.3%
Energy	7.6	2.64%	21.9%
Financials	14.8	0.86%	16.6%
Health Care	13.8	-1.60%	-5.4%
Industrials	10.6	-0.01%	16.5%
Information Technology	20.5	-2.92%	8.3%
Materials	2.9	0.69%	14.3%
Telecom Services	2.5	-1.69%	8.9%
Utilities	3.1	-0.94%	7.2%

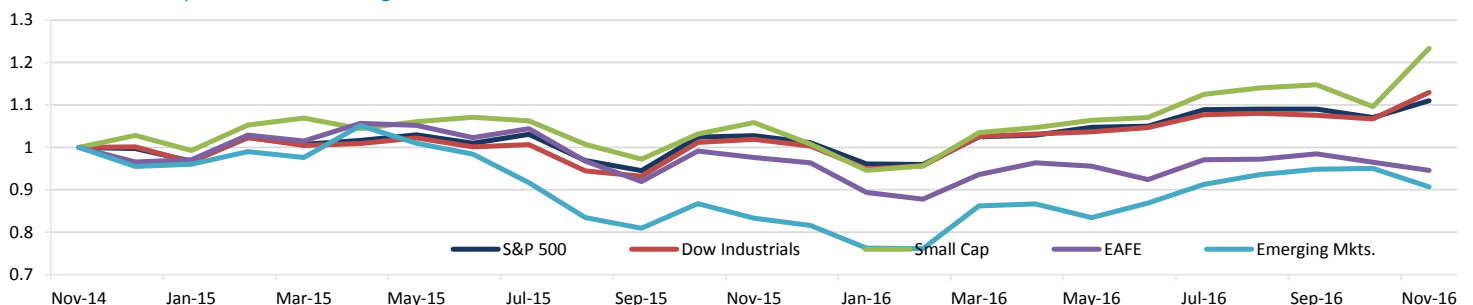
Source: Bloomberg

VIX Index: Trailing 180 Days



Source: Bloomberg

Wealth Index|Growth of \$1: Trailing 24 Months



Source: Bloomberg

The Economy and Markets

A Macro View – November Monthly Recap

Domestic equity markets surged in November, as investors anticipated an injection of economic growth with the election of Donald Trump. Markets had been volatile leading up to the election, amid uncertainty about the outcome of the race. Prior to the election, many market analysts had speculated that if Trump won, the equity markets would drop, as his election would represent a change in the status quo. Investors also gained greater clarity on the likelihood that the Federal Open Market Committee (FOMC) would raise the fed funds rate at its upcoming December meeting. The employment situation continued to be a positive, as employers added 178,000 jobs. The consensus among economists and analysts is that the FOMC will move to raise rates at its meeting in two weeks, an outcome also anticipated by the futures market, which is currently implying a 100% probability of a rate hike.

Within this context, broad market indices were mostly higher during the month. The S&P 500 gained +3.7%, and is now up +9.8% year-to-date. The Dow Jones Industrial Average (DJIA) also advanced, delivering a gain of +5.9%. The tech-heavy Nasdaq Composite Index rose by +2.8%, and is now up +7.6% so far year-to-date. The Russell 2000 Index of small cap stocks far outperformed the Russell 1000 Index of large cap stocks. Value stocks outperformed growth stocks, and have outperformed by more than 900 basis points year-to-date. In terms of sectors, the top performers in the month were Financials, Industrials, and Energy, with returns of +13.9%, +8.9%, and +8.4%, respectively. Utilities, Consumer Staples, and Information Technology were the poorest performers, with returns of -5.4%, -4.3%, and -0.3%, respectively. Commodities were higher, posting a gain of +1.3%. REITs declined -1.4% in sympathy with the rise in interest rates.

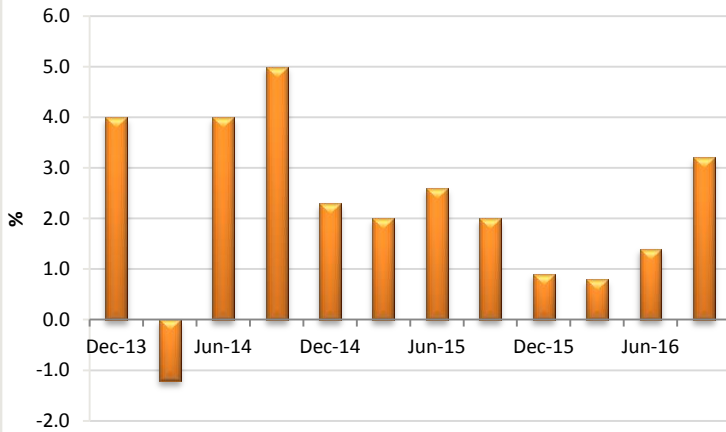
International equity markets, unlike domestic markets, were generally lower in November. Most regions, in both developed economies and emerging markets, had a difficult time. Some of the underperformance can be attributed to investor reaction to what they perceive will be Trump's "America first" trade policies. The MSCI World ex-U.S. Index declined by -1.6% for the month, and is now down -0.5% year-to-date through November. Emerging markets performed poorly, largely as a result of the potential for detrimental US trade policies, as well as the rise in interest rates. The MSCI Emerging Markets Index posted a loss of -4.6% for the month, and is now up +10.9% for the year to date. The MSCI EAFE Index, which measures developed markets performance, declined -2.0%. Regionally, Eastern Europe and the Pacific region ex-Japan were the best relative performers, with returns of +1.2% and -0.1%, respectively. Latin America and Asia were the poorest relative performers, with declines of -10.6% and -3.3%, respectively.

Fixed income markets suffered steep declines in November, as investors concluded that the FOMC would raise rates in December. In addition, some of the losses may be attributed to investors beginning to rotate assets out of bonds and into equities. The November employment report should provide support for an interest rate hike by the FOMC this month. The yield curve steepened substantially, as yields on intermediate- and long-term maturities rose more than those on short-term maturities. Within this environment, the yield on the 10-year U.S. Treasury note ended the month at 2.38%, up 55 basis points from the 1.83% level of October 31. Performance of broad-based fixed income indices suffered in November, with the Barclays U.S. Aggregate Bond Index declining -2.4% for the month. Global fixed income markets performed worse, with the Barclays Global Aggregate ex-U.S. Index dropping -5.3%. Intermediate-term corporate bonds also fell, as the Barclays U.S. Corporate 5-10 Year Index declined by -2.9%. The Barclays U.S. Corporate High Yield Index eased by -0.5%. Municipals performed poorly, declining by -3.7% for November.

Brandon Thomas
Chief Investment Officer

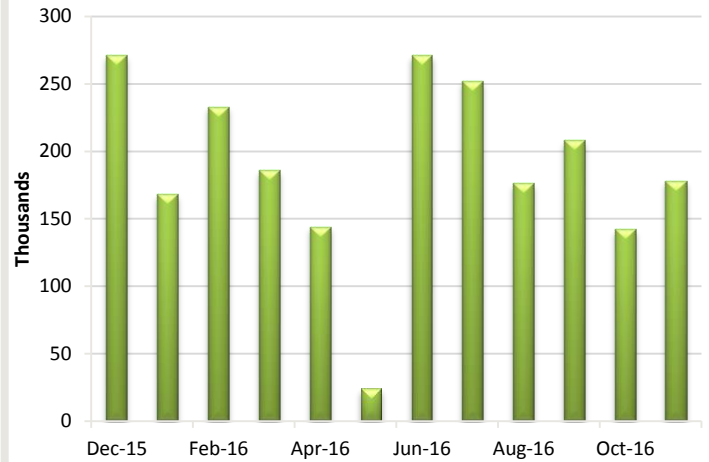
Economic Data

Real GDP Growth Rate - Annualized - 12 Qtrs.



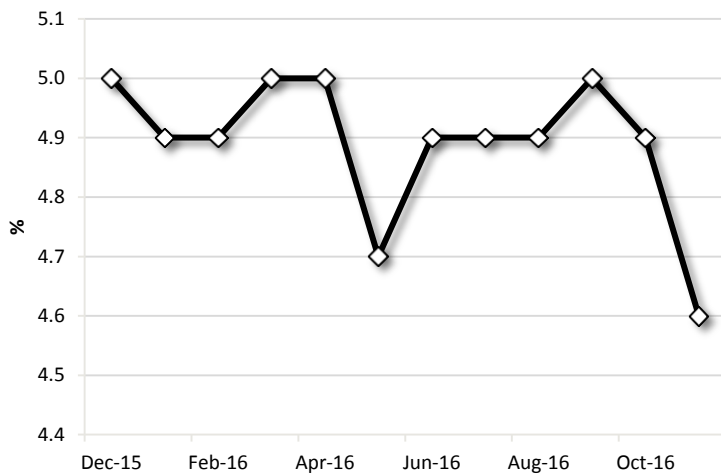
Source: Bloomberg

Non-Farm Payrolls-Trailing 12 Mos.



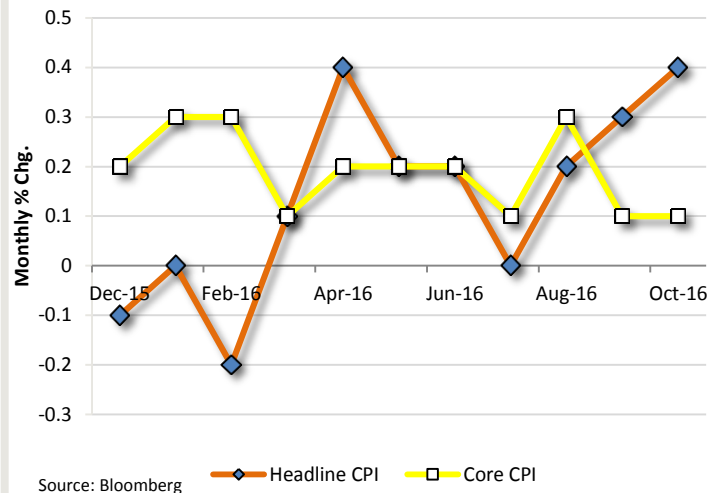
Source: Bloomberg

Unemployment Rate-Trailing 12 Mos.



Source: Bloomberg

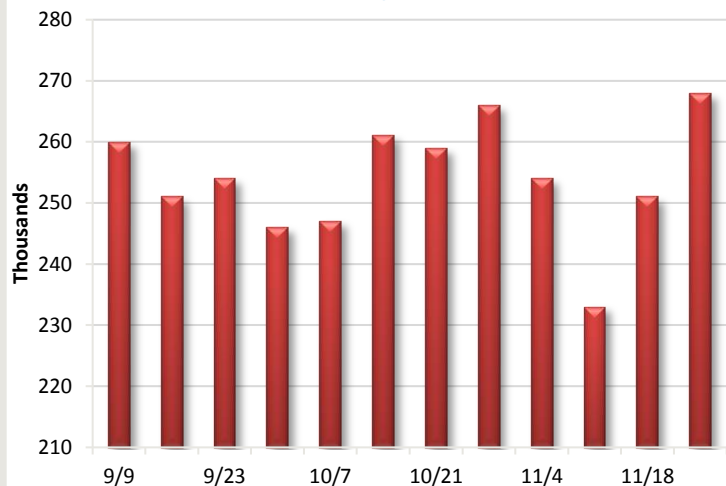
Consumer Price Index-Trailing 12 Mos.



Source: Bloomberg

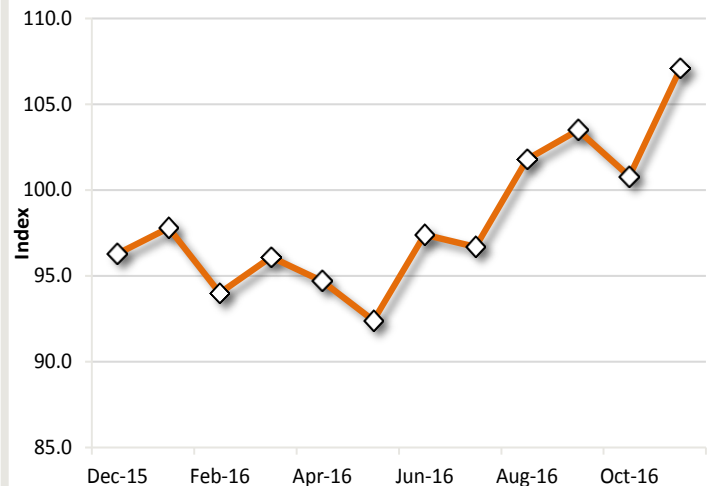
Headline CPI Core CPI

Initial Jobless Claims-Trailing 12 Wks.



Source: Bloomberg

Consumer Board Confidence Index - Trailing 12 Mos.



Source: Bloomberg

Eurozone

SELECTED EUROPEAN SOVEREIGN YIELD PERFORMANCE

	Last	Change	% Chg.	YTD %
Germany 10-Yr. Govt.	0.28	-4 bps	NM	NM
Greece 10-Yr. Govt.	6.44	27 bps	NM	NM
Italy 10-Yr. Govt.	1.90	16 bps	NM	NM
Spain 10-Yr. Govt.	1.54	3 bps	NM	NM
Belgium 10-Yr. Govt.	0.61	5 bps	NM	NM

Source: Bloomberg

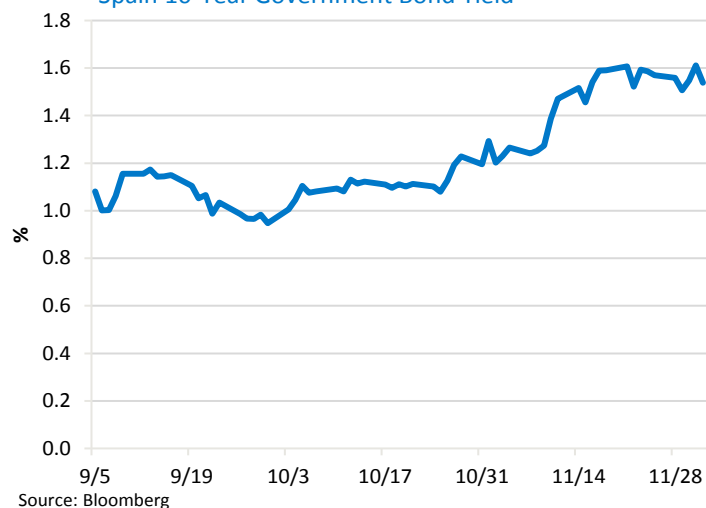
Basis points (bps)

	Last	Change	% Chg.	YTD %
France 10-Yr. Govt.	0.72	7 bps	NM	NM
Ireland 10-Yr. Govt.	0.82	8 bps	NM	NM
Portugal 10-Yr. Govt.	3.68	-7 bps	NM	NM
Netherlands 10-Yr. Govt.	0.42	-1 bps	NM	NM
U.K. 10-Yr. Govt.	1.38	3 bps	NM	NM

Germany 10-Year Government Bond Yield



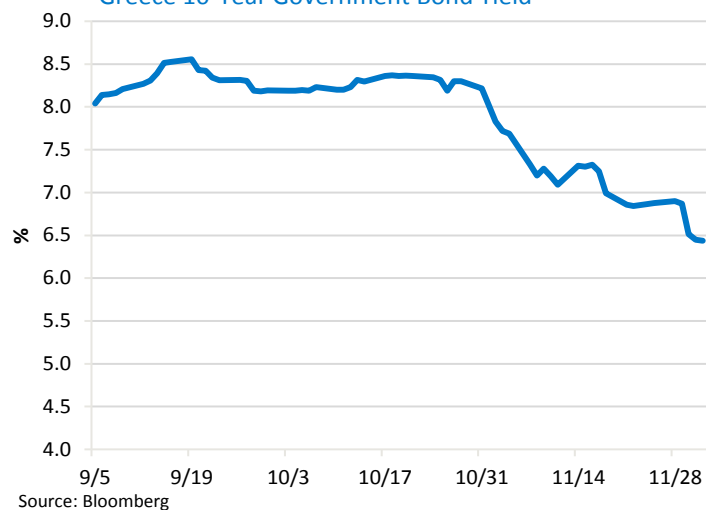
Spain 10-Year Government Bond Yield



Italy 10-Year Government Bond Yield



Greece 10-Year Government Bond Yield



Equities

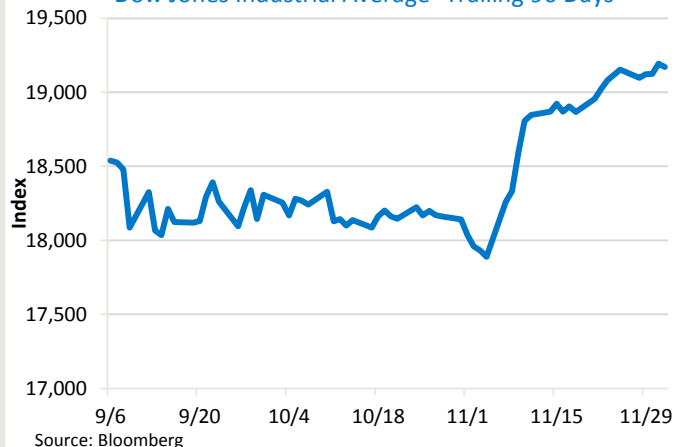
WORLD MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
S&P 500	2,191.95	-21.40	-0.97%	7.24%
Dow Industrials	19,170.42	18.28	0.10%	10.02%
Nasdaq Composite	5,255.65	-143.27	-2.65%	4.96%
Russell Global	1,723.34	-11.12	-0.64%	3.9%
Russell Global EM	2,718.13	9.43	0.35%	7.1%
S&P/TSX (Canada)	15,052.52	-22.92	-0.15%	15.70%
Mexico IPC	44,555.26	-802.59	-1.77%	3.67%
Brazil Bovespa	60,316.13	-1242.95	-2.02%	39.14%
Euro Stoxx 600	339.36	-3.09	-0.90%	-7.23%
FTSE 100	6,730.72	-110.03	-1.61%	7.82%
IBEX 35 (Spain)	8,607.10	-67.30	-0.78%	-9.82%

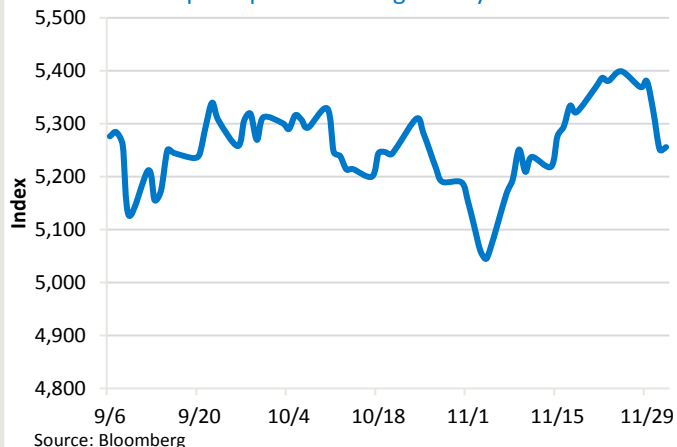
Source: Bloomberg; Index % change is based on price.

	Last	Change	% Chg.	YTD %
Swiss Market Index	7,784.01	-97.52	-1.24%	-11.73%
CAC 40 Index (France)	4,528.82	-21.45	-0.47%	-2.33%
DAX Index (Germany)	10,513.35	-185.92	-1.74%	-2.14%
Irish Overall Index	6,174.46	-105.23	-1.68%	-9.09%
Nikkei 225	18,426.08	44.86	0.24%	-3.19%
Hang Seng Index	22,564.82	-158.63	-0.70%	2.97%
Shanghai Composite	3,243.84	-18.09	-0.55%	-8.34%
Kospi Index (S. Korea)	1,970.61	-3.85	-0.19%	0.47%
Taiwan Taiex Index	9,189.49	30.42	0.33%	10.21%
Tel Aviv 25 Index	1,438.25	-11.75	-0.81%	-5.92%
MICEX Index (Russia)	2,128.99	30.84	1.47%	20.87%

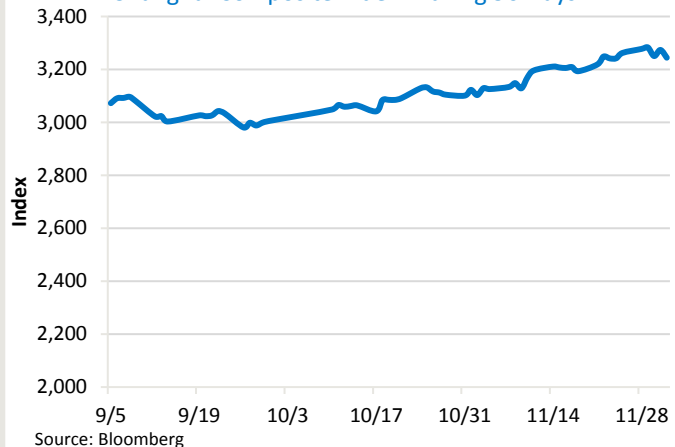
Dow Jones Industrial Average -Trailing 90 Days



Nasdaq Composite-Trailing 90 Days



Shanghai Composite Index-Trailing 90 Days



Euro Stoxx Index-Trailing 90 Days



Equities – Emerging and Frontier Markets

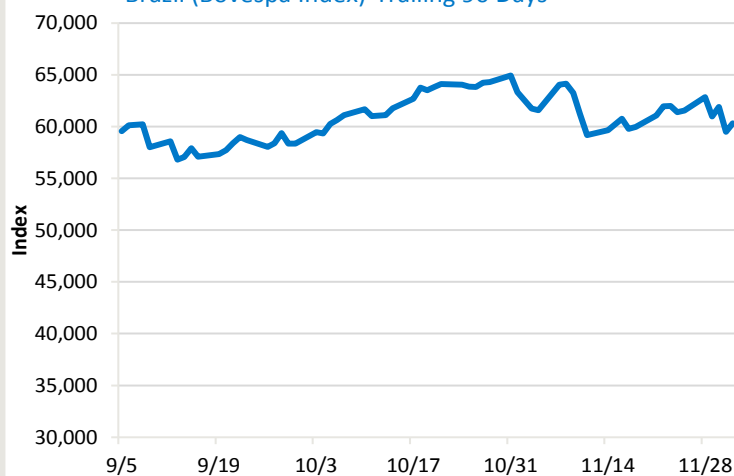
EMERGING AND FRONTIER MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
Mexico IPC	44,555.26	-802.59	-1.8%	3.7%
Brazil (Bovespa Index)	60,316.13	-1242.95	-2.0%	39.1%
MICEX Index (Russia)	2,128.99	30.84	1.5%	20.9%
Czech Republic (Prague)	887.20	-0.94	-0.1%	-7.2%
Turkey (Istanbul)	73,390.94	-972.52	-1.3%	2.3%
Egypt (Hermes Index)	1,025.92	22.80	2.3%	62.7%
Kenya (Nairobi 20 Index)	3,248.02	-17.87	-0.5%	-19.6%
Saudi Arabia (TASI Index)	7,093.66	296.91	4.4%	2.6%
Lebanon (Beirut BLOM Index)	1,223.20	-13.52	-1.1%	4.6%
Palestine	523.00	-0.06	0.0%	-1.8%

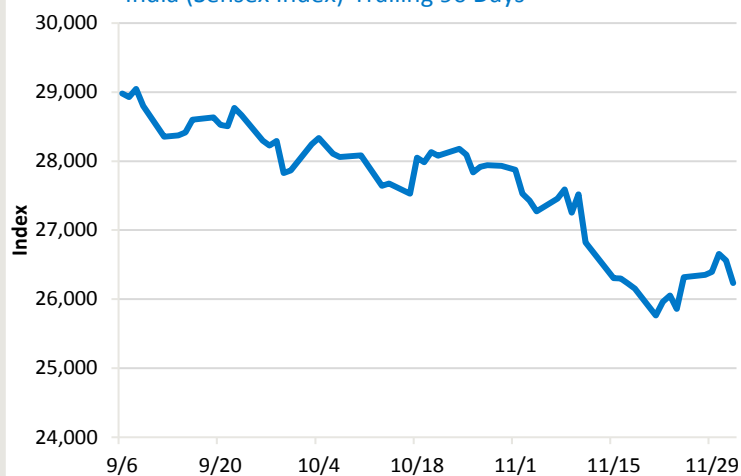
Source: Bloomberg; Index % change is based on price.

	Last	Change	% Chg.	YTD %
Hang Seng Index	22,564.82	-158.63	-0.7%	3.0%
India (Sensex 30)	26,230.66	-85.68	-0.3%	0.4%
Malaysia (KLCI Index)	1,628.96	1.70	0.1%	-3.8%
Singapore (Straits Times Index)	2,919.37	60.04	2.1%	1.3%
Thailand (SET Index)	1,501.66	1.26	0.1%	16.6%
Indonesia (Jakarta)	5,245.96	123.85	2.4%	14.2%
Pakistan (Karachi KSE 100)	43,270.90	271.24	0.6%	31.9%
Vietnam (Ho Chi Minh)	665.14	-10.73	-1.6%	14.9%
Sri Lanka (Colombo)	6,325.57	73.45	1.2%	-8.3%
Cambodia (Laos)	1,028.48	14.05	1.4%	-12.4%

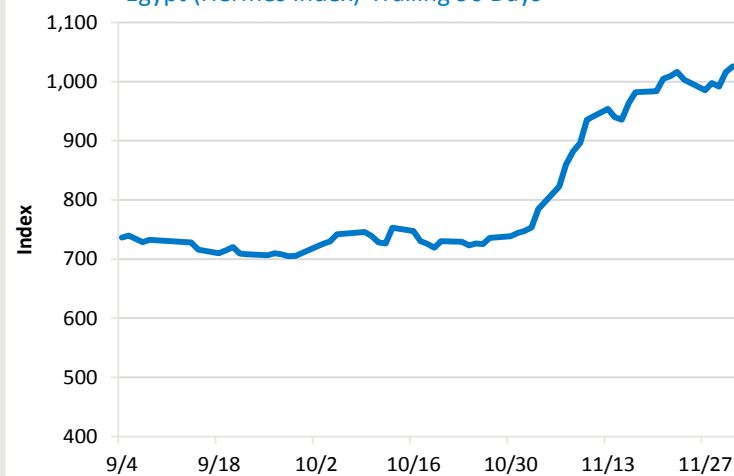
Brazil (Bovespa Index)-Trailing 90 Days



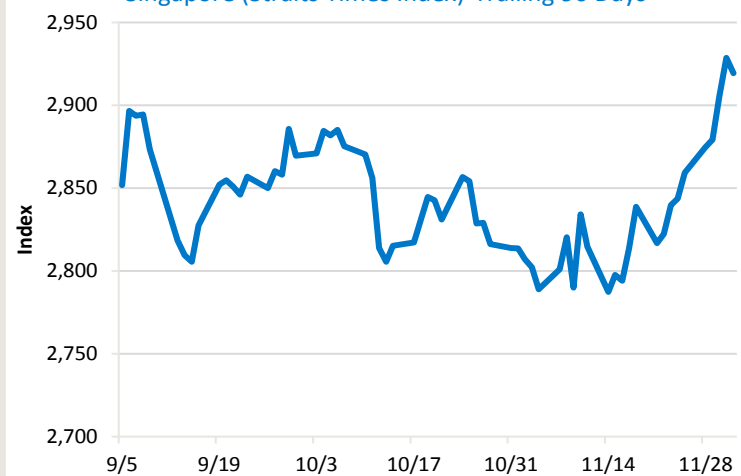
India (Sensex Index)-Trailing 90 Days



Egypt (Hermes Index)-Trailing 90 Days



Singapore (Straits Times Index)-Trailing 90 Days

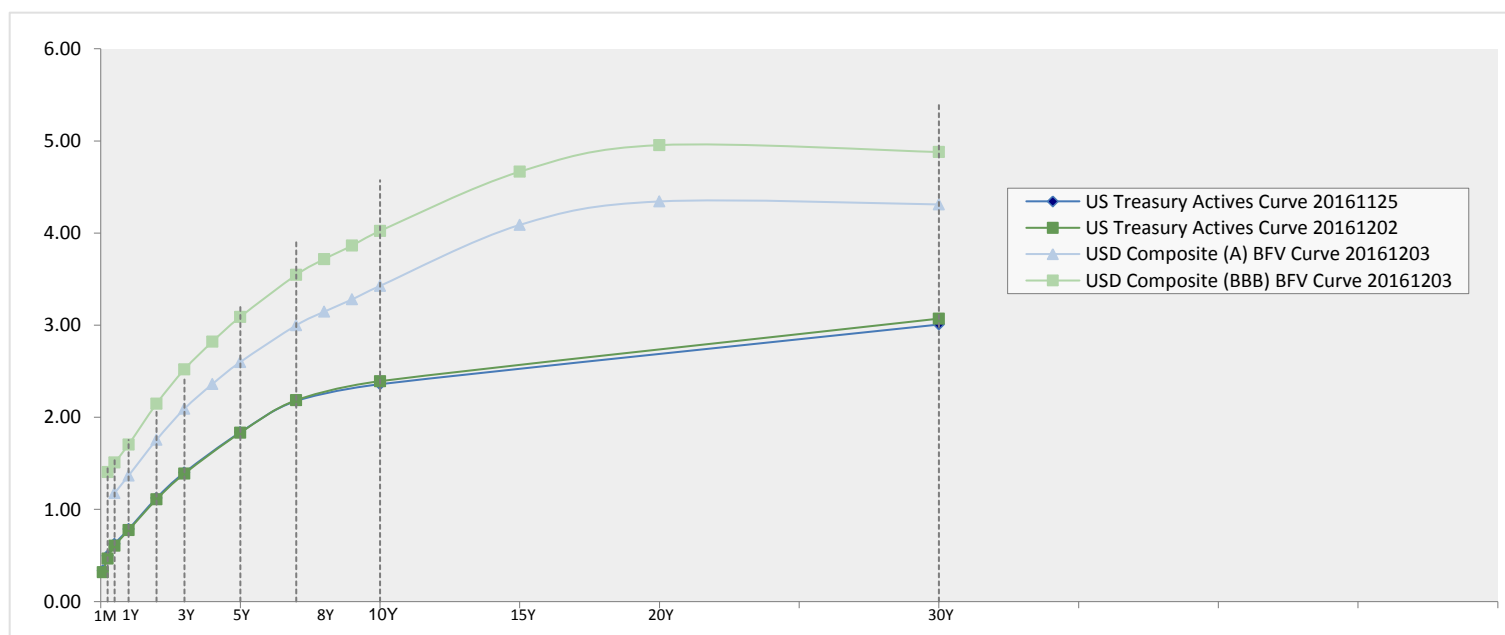


Interest Rates

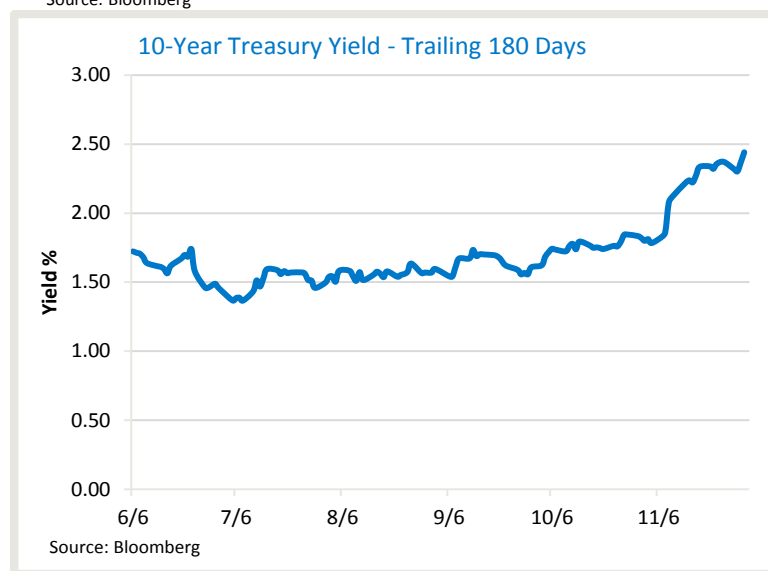
SELECTED INTEREST RATES

	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
2-Yr. U.S. Treasury	1.11%	0 bps	NM	NM	Prime Rate	3.50%	0.00	NM	NM
5-Yr. U.S. Treasury	1.83%	-2 bps	NM	NM	Fed Funds Rate	0.50%	0.00	NM	NM
10-Yr. U.S. Treasury	2.39%	2 bps	NM	NM	Discount Rate	1.00%	0.00	NM	NM
30-Yr. U.S. Treasury	3.06%	4 bps	NM	NM	LIBOR (3 Mo.)	0.94%	0 bps	NM	NM
German 10-Yr. Govt.	0.28%	-4 bps	NM	NM	Bond Buyer 40 Muni	4.59%	42 bps	NM	NM
France 10-Yr.	0.72%	7 bps	NM	NM	Bond Buyer 40 G.O.	4.20%	NA	NM	NM
Italy 10-Yr.	1.90%	16 bps	NM	NM	Bond Buyer 40 Rev.	4.25%	NA	NM	NM
Fed 5-Yr Fwd BE Inf.	1.96%	5 bps	NM	NM					

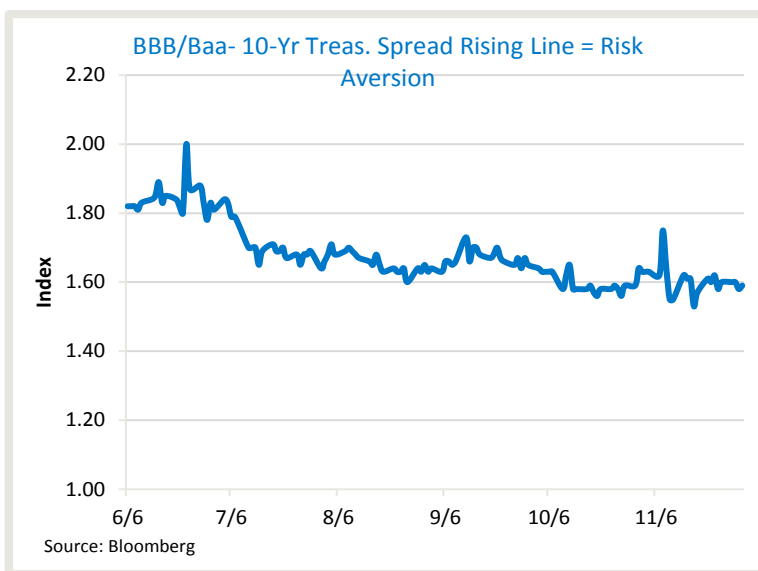
Source: Bloomberg



Source: Bloomberg



Source: Bloomberg



Source: Bloomberg

Currencies

SELECTED CURRENCY PERFORMANCE

	Last	Change	% Chg.	YTD %
Dollar Index	100.63	-0.830	-0.82%	2.06%
Euro	1.07	0.009	0.81%	-1.72%
Japanese Yen	113.55	0.340	-0.30%	5.86%
British Pound	1.27	0.026	2.08%	-13.57%
Canadian Dollar	1.33	-0.023	1.73%	4.14%

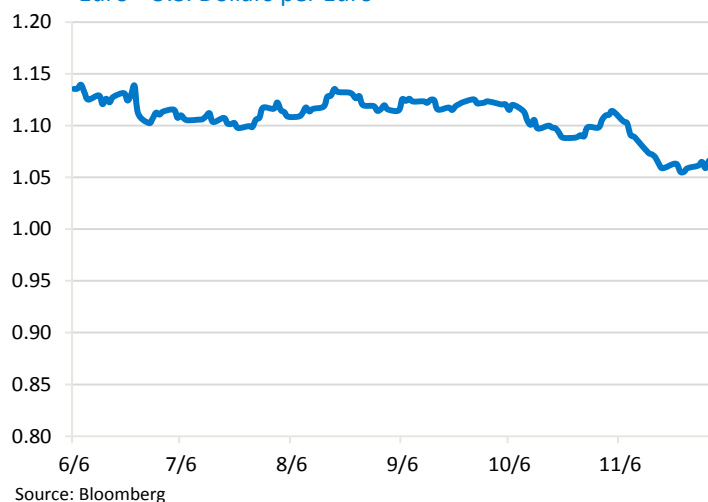
Source: Bloomberg

	Last	Change	% Chg.	YTD %
Chinese Yuan	6.88	-0.039	0.56%	-5.61%
Swiss Franc	1.01	-0.004	0.43%	-0.76%
New Zealand Dollar	0.71	0.010	1.36%	4.51%
Brazilian Real	3.48	0.063	-1.81%	13.92%
Mexican Peso	20.64	-0.029	0.14%	-16.57%

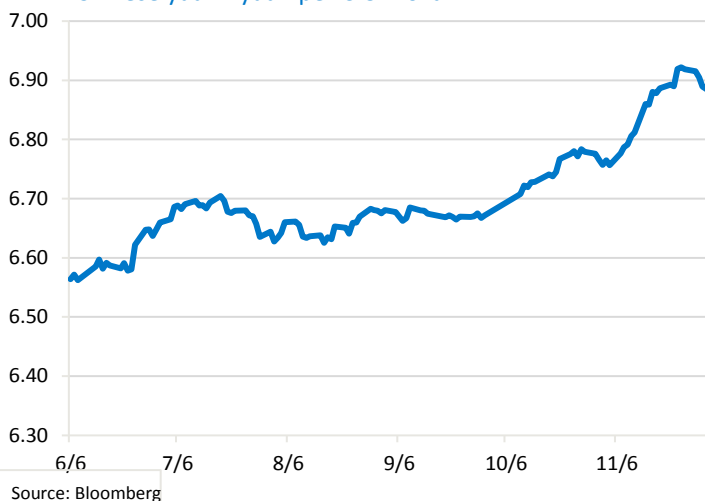
U.S. Dollar Index - Trailing Six Months



Euro - U.S. Dollars per Euro



Chinese yuan - yuan per U.S. Dollar



Japanese yen - Yen per U.S. Dollar



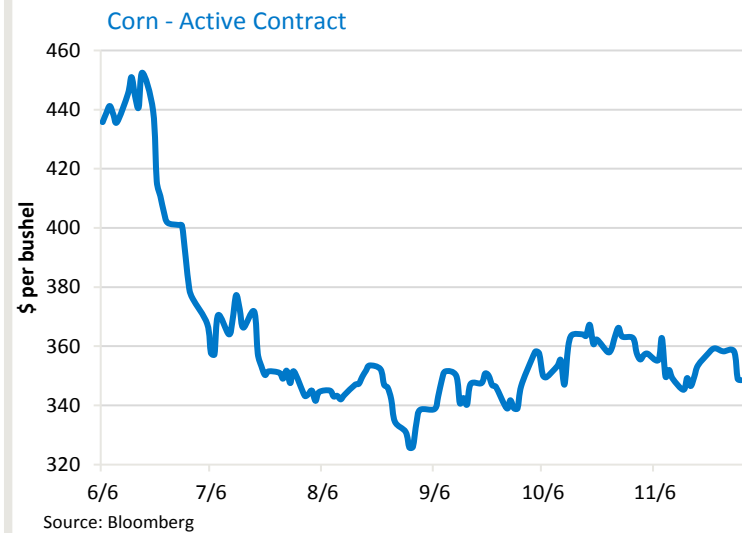
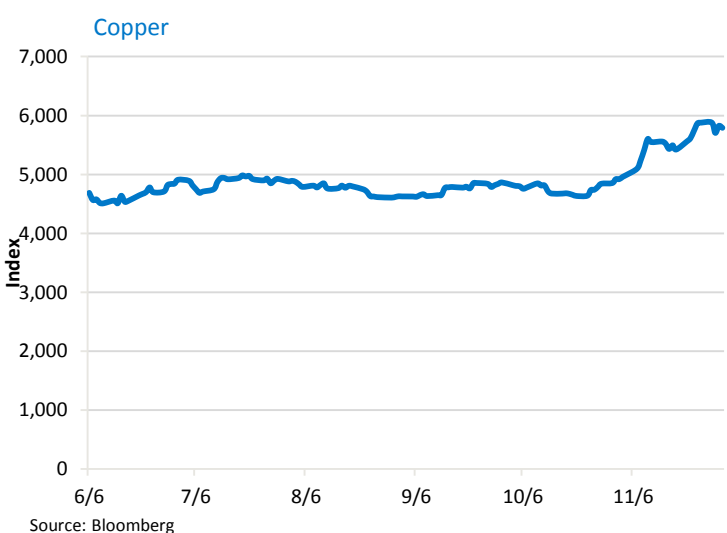
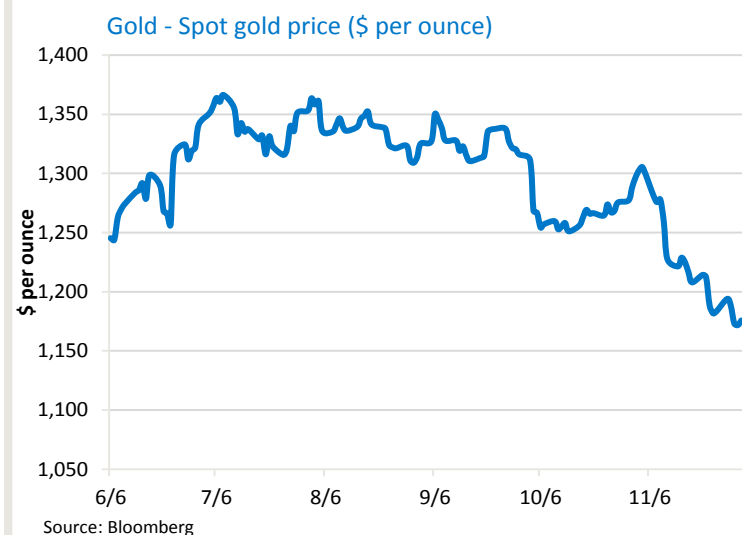
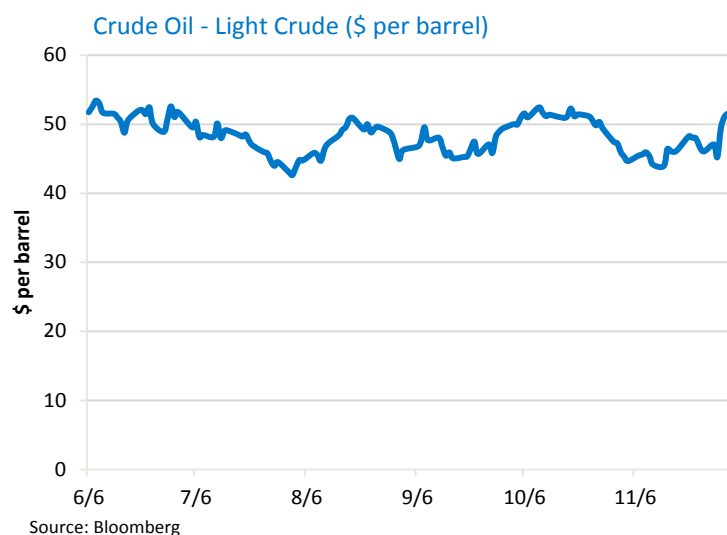
Commodities

SELECTED COMMODITY MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
Bloomberg Comm. Idx.	87.04	2.01	2.36%	10.80%
Crude Oil	\$51.61	\$5.51	11.96%	16.65%
Natural Gas	\$3.44	\$0.25	7.75%	20.13%
Gasoline (\$/Gal.)	\$2.16	\$0.04	1.74%	8.32%
Heating Oil	165.53	16.99	11.43%	20.87%
Gold Spot	\$1,177.01	-\$7.82	-0.66%	10.80%
Silver Spot	\$16.75	\$0.17	1.04%	20.62%

Source: Bloomberg; % change is based on price.

	Last	Change	% Chg.	YTD %
Platinum Spot	\$929.54	\$21.09	2.32%	4.24%
Corn	347.25	-11.00	-3.07%	-11.64%
Wheat	404.25	-15.25	-3.64%	-22.15%
Soybeans	1,027.50	-18.50	-1.77%	15.64%
Sugar	19.12	-0.72	-3.63%	26.62%
Orange Juice	220.65	4.20	1.94%	51.75%
Aluminum	1,722.00	-35.00	-1.99%	14.27%
Copper	5,791.00	-88.00	-1.50%	23.08%



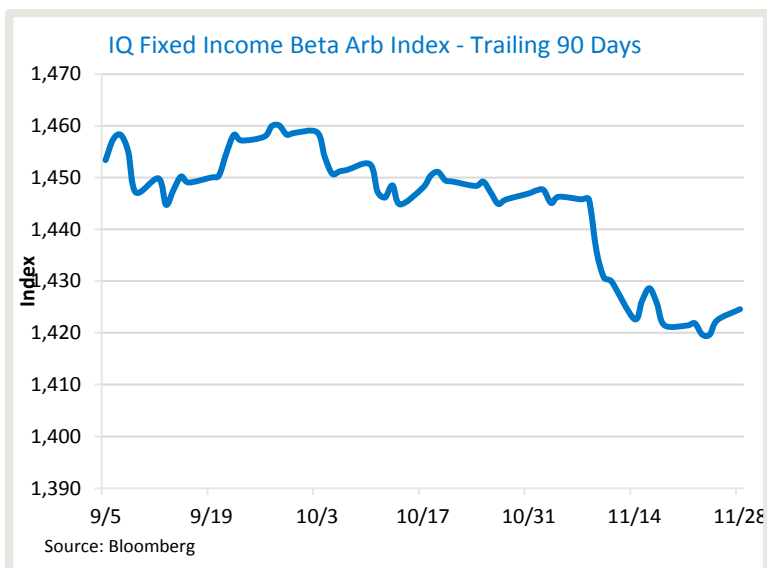
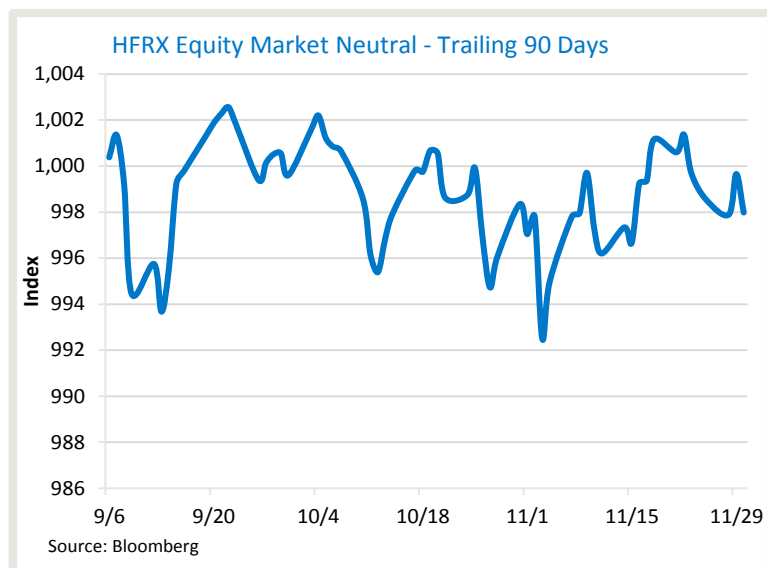
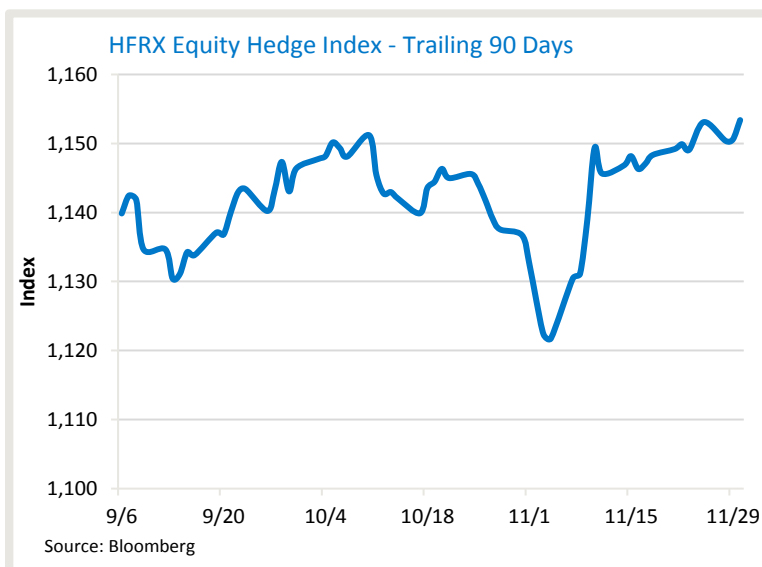
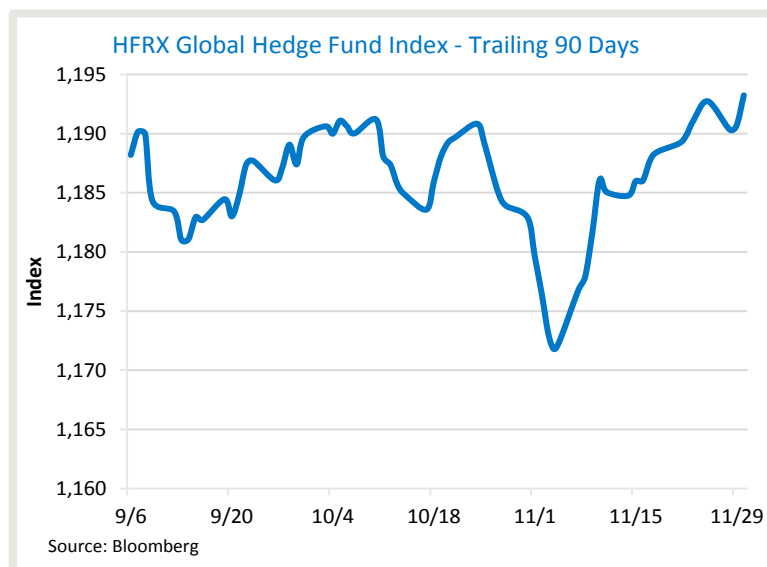
Alternative Investments

SELECTED ALTERNATIVE INVESTMENT INDEX PERFORMANCE

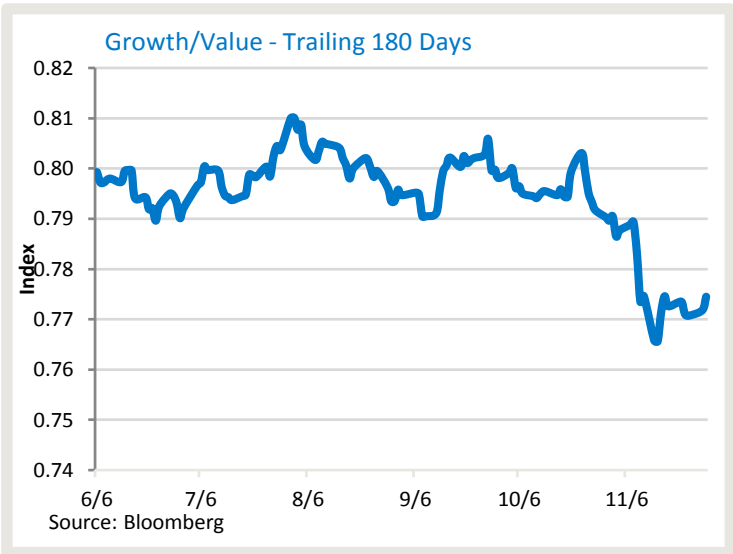
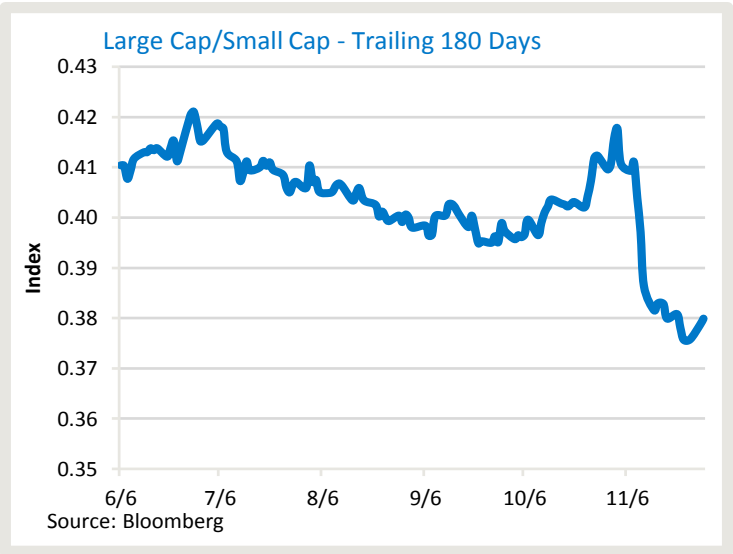
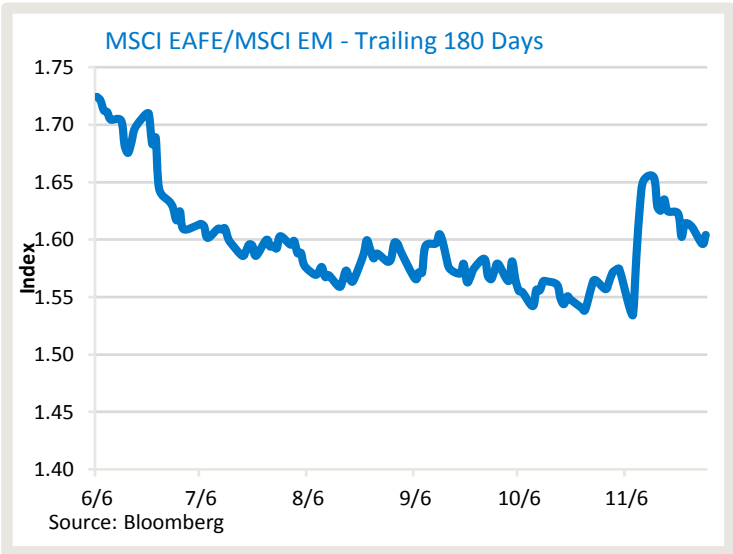
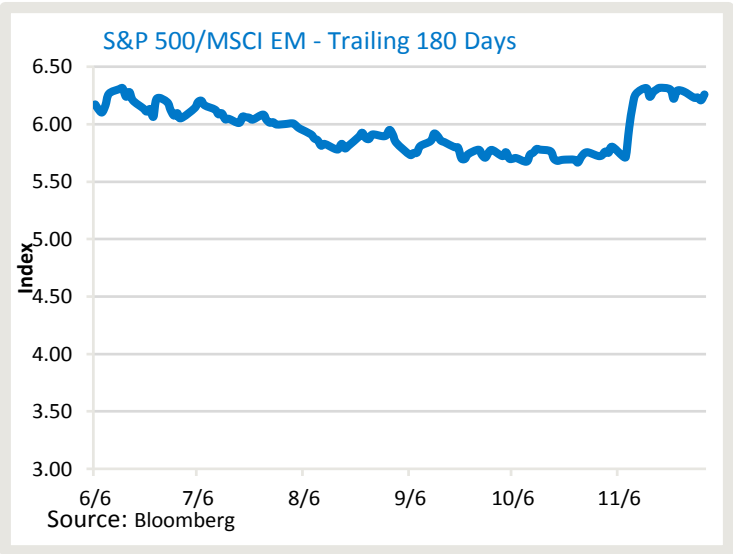
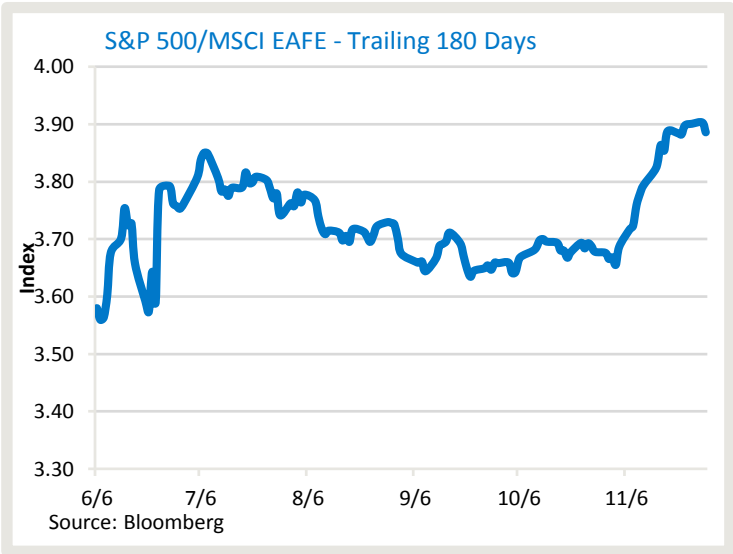
	Last	Change	% Chg.	YTD %
HFRX Global Hedge Fund Index	1193.24	0.50	0.04%	1.63%
HFRX Equity Market Neutral	997.98	-0.55	-0.06%	-4.05%
HFRX Equity Hedge Index	1153.39	0.29	0.03%	-0.08%
HFRX Event-Driven Index	1534.87	0.07	0.00%	8.99%
HFRX Absolute Return Index	1026.38	0.25	0.02%	0.10%

	Last	Change	% Chg.	YTD %
HFRX Distressed Index	1053.37	8.87	0.85%	17.53%
HFRX Merger Arbitrage Index	1799.11	-2.41	-0.13%	3.53%
HFRX Convertible Arbitrage Index	737.07	-0.17	-0.02%	4.97%
HFRX Macro CTA Index	1129.95	2.43	0.22%	-3.39%
IQ Fixed Income Beta Arb Index	1420.03	-2.44	-0.17%	2.37%

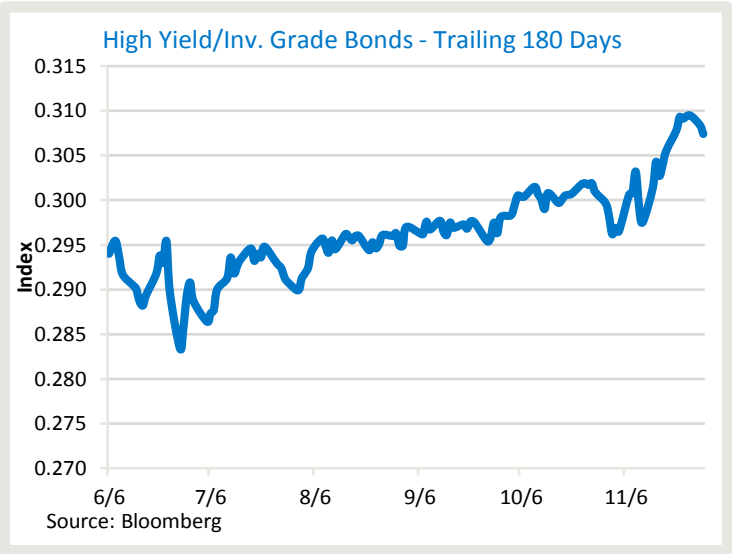
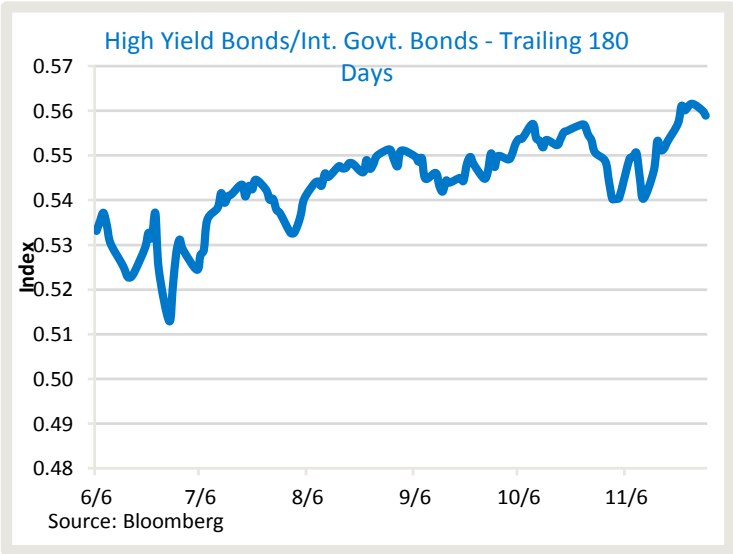
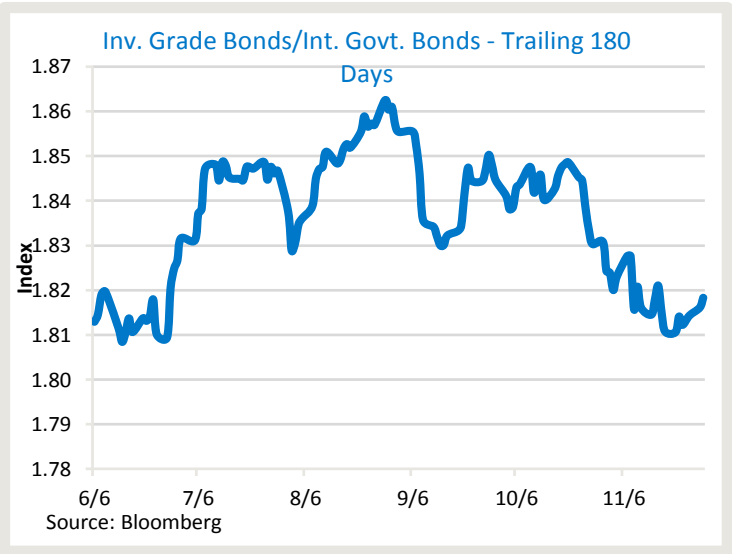
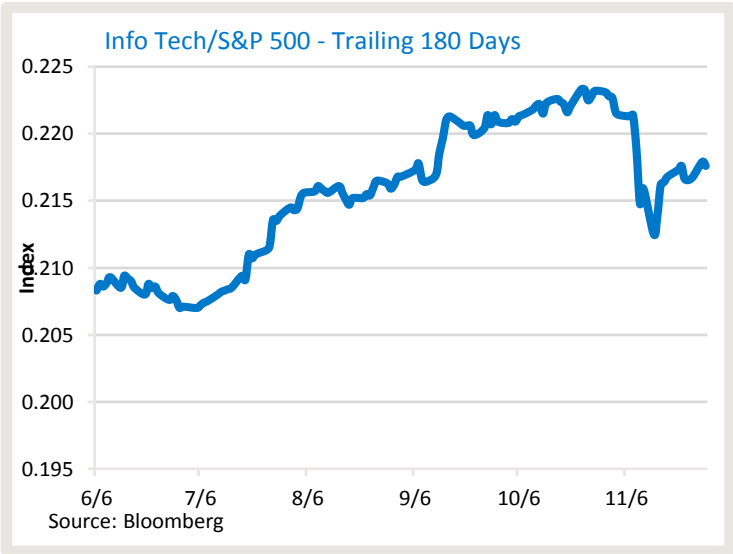
Source: Bloomberg; Index % change is based on price.



Portfolio Construction



Portfolio Construction (continued)



WEEKLY ASSET CLASS PERFORMANCE (Prior 12 weeks ending Thursday)

			9/15	9/22	9/29	10/6	10/13	10/20	10/27	11/3	11/10	11/17	11/24	12/1
Equity	Domestic Equity	Large Cap (R200)	-1.32%	1.24%	-1.27%	0.56%	-1.14%	0.36%	-0.04%	-2.22%	3.78%	0.59%	0.66%	-0.51%
		Small Cap (R2000)	-2.49%	2.97%	-2.03%	0.69%	-2.45%	0.33%	-2.45%	-2.78%	8.19%	4.62%	2.49%	-2.11%
	Int'l. Equity	MSCI EAFE	-3.27%	3.10%	-1.24%	-0.69%	-2.39%	1.54%	-0.75%	-0.87%	0.42%	-0.79%	-0.46%	0.35%
		MSCI Em. Mkts.	-4.13%	3.59%	-0.82%	0.40%	-2.88%	2.55%	-0.88%	-2.25%	1.05%	-3.25%	0.57%	0.75%
Fixed Income		BarCap Agg. (AGG)	-0.45%	0.48%	0.25%	-0.87%	0.00%	0.18%	-0.54%	-0.13%	1.41%	-0.67%	-0.50%	-0.46%
		High Yield (JNK)	-0.99%	1.16%	-0.08%	0.11%	-0.19%	0.74%	-0.73%	-2.11%	0.78%	0.45%	1.09%	-0.64%
Commodities		Bloomberg Commodity Index	-2.43%	2.92%	-0.33%	0.34%	0.90%	-0.30%	0.23%	-3.03%	0.28%	-1.33%	3.18%	1.83%
Alternatives		Hedge Funds (HFRX Global)	-0.59%	0.38%	0.00%	0.27%	-0.42%	0.30%	-0.36%	-1.02%	1.13%	0.14%	0.28%	0.13%
Asset Allocation		60/40*	-1.55%	1.54%	-0.73%	-0.15%	-1.10%	0.60%	-0.64%	-1.34%	1.31%	0.15%	0.29%	-0.47%
		48/32/20 (w/Alts.)**	-1.36%	1.31%	-0.58%	-0.06%	-0.96%	0.54%	-0.58%	-1.28%	1.27%	0.15%	0.29%	-0.34%

Source: Bloomberg; *60/40 portfolio = 30% Large Cap/10% Small Cap/15% EAFE/5% Emerging Markets/35% BarCap Agg./5% High Yield.

**48/32/20 portfolio = 24% Large Cap/8% Small Cap/12% EAFE/4% Emerging Markets/28% BarCap Agg./4% High Yield/20% HFRX Global Index.

RELATIVE STRENGTH MATRIX (BASED ON 30-DAY RSI)

	Large Cap Core	Large Cap Growth	Large Cap Value	Mid Cap Core	Mid Cap Growth	Mid Cap Value	Small Cap Core	Small Cap Growth	Small Cap Value	Int'l. Developed	Emerging Markets	REITs	Comm.	Int. Bond	High Yield
Large Cap Core	1.00	1.15	0.89	0.98	1.08	0.91	0.91	1.02	0.83	1.24	1.25	1.31	0.99	1.93	1.20
Large Cap Growth	0.87	1.00	0.77	0.85	0.94	0.79	0.79	0.88	0.72	1.08	1.09	1.14	0.86	1.67	1.04
Large Cap Value	1.13	1.30	1.00	1.10	1.22	1.03	1.03	1.15	0.93	1.40	1.41	1.48	1.11	2.17	1.35
Mid Cap Core	1.02	1.18	0.91	1.00	1.11	0.93	0.93	1.04	0.84	1.27	1.28	1.34	1.01	1.97	1.22
Mid Cap Growth	0.92	1.06	0.82	0.90	1.00	0.84	0.84	0.94	0.76	1.15	1.16	1.21	0.91	1.78	1.10
Mid Cap Value	1.10	1.27	0.97	1.07	1.19	1.00	1.00	1.12	0.91	1.36	1.38	1.44	1.08	2.12	1.31
Small Cap Core	1.09	1.26	0.97	1.07	1.19	1.00	1.00	1.12	0.90	1.36	1.37	1.43	1.08	2.11	1.31
Small Cap Growth	0.98	1.13	0.87	0.96	1.06	0.89	0.90	1.00	0.81	1.22	1.23	1.28	0.97	1.89	1.17
Small Cap Value	1.21	1.40	1.07	1.19	1.31	1.10	1.11	1.24	1.00	1.51	1.52	1.59	1.19	2.34	1.45
Int'l. Developed	0.80	0.93	0.71	0.79	0.87	0.73	0.74	0.82	0.66	1.00	1.01	1.05	0.79	1.55	0.96
Emerging Markets	0.80	0.92	0.71	0.78	0.86	0.73	0.73	0.81	0.66	0.99	1.00	1.04	0.79	1.54	0.95
REITs	0.76	0.88	0.68	0.75	0.83	0.70	0.70	0.78	0.63	0.95	0.96	1.00	0.75	1.47	0.91
Commodities	1.01	1.17	0.90	0.99	1.10	0.92	0.93	1.03	0.84	1.26	1.27	1.33	1.00	1.95	1.21
Int. Bond	0.52	0.60	0.46	0.51	0.56	0.47	0.47	0.53	0.43	0.64	0.65	0.68	0.51	1.00	0.62
High Yield	0.83	0.96	0.74	0.82	0.91	0.76	0.76	0.85	0.69	1.04	1.05	1.09	0.82	1.61	1.00

Source: Bloomberg

The Relative Strength Matrix provides an indication of how the various asset classes have performed relative to one another over the past 30 days. A number greater than 1.0 indicates that the asset class in the far left column has outperformed the corresponding asset class in the top row over the past 30 days. A number below 1.0 means the asset class on the left has underperformed the asset class at the top. The green shading indicates outperformance, and the red shading indicates underperformance.

Index Overview & Key Definitions

Fed, The Fed or FED refers to the Federal Reserve System, the central bank of the United States. The **Federal Open Market Committee (FOMC)** is the monetary policymaking body of the Federal Reserve System. **Fed Funds Rate**, the interest rate at which a depository institution lends funds maintained at the Federal Reserve to another depository institution overnight. The **European Central Bank (ECB)** is the central bank for Europe's single currency, the euro. The ECB's main task is to maintain the euro's purchasing power and thus price stability in the euro area. The euro area comprises the 19 European Union countries that have introduced the euro since 1999. The **Gross Domestic Product (GDP)** rate is a measurement of the output of goods and services produced by labor and property located in the United States. **Basis Point(s)** is a unit that is equal to 1/100th of 1%, and is used to denote the change in a financial instrument. The basis point is commonly used for calculating changes in interest rates, equity indexes and the yield of a fixed-income security. A **separately managed account (SMA)** is an individual managed investment account offered typically by a brokerage firm through one of their brokers or financial consultants and managed by independent investment management firms (often called money managers for short) and have varying fee structures. The **Consumer Price Index (CPI)** measures the change in the cost of a fixed basket of products and services. The **Producer Price Index (PPI)** program measures the average change over time in the selling prices received by domestic producers for their output. The prices included in the PPI are from the first commercial transaction for many products and some services. **Core CPI** is an additional CPI Index, excludes energy and food item price changes, and measures the "core" or "underlying" rate of inflation. The **PCE (Personal Consumption Expenditure) Index of Prices** is a US-wide indicator of the average increase in prices for all domestic personal consumption. Using a variety of data including U.S. Consumer Price Index and Producer Price Index prices, it is derived from personal consumption expenditures; essentially a measure of goods and services targeted towards individuals and consumed by individuals.

The **Dow Jones Industrial Average (DOW or DJIA)** is an unmanaged index of 30 common stocks comprised of 30 actively traded blue chip stocks, primarily industrials and assumes reinvestment of dividends. The **S&P 500 Index** is an unmanaged index comprised of 500 widely held securities considered to be representative of the stock market in general. The **S&P/Case-Shiller Home Price Indices** measure the residential housing market, tracking changes in the value of the residential real estate market in 20 metropolitan regions across the United States. The **Nasdaq Composite Index** is a stock market index of the common stocks and similar securities listed on the NASDAQ stock market. The **US Dollar Index** is a measure of the value of the United States dollar relative to a basket of foreign currencies. It is a weighted geometric mean of the dollar's value relative to other select currencies (Euro, Japanese yen, Pound sterling, Canadian dollar, Swedish krona (SEK) & Swiss franc). The **Nikkei Index** (Nikkei 225 or Nikkei) is a stock market index for the Tokyo Stock Exchange calculated daily by the Nihon Keizai Shimbun (Nikkei) newspaper since 1950. It is a price-weighted index (the unit is yen), and the components are reviewed once a year. The **FTSE 100 Index** (FTSE 100) is a share index of the 100 companies listed on the London Stock Exchange (LSE) with the highest market capitalization. The **Bloomberg Commodity Index** (formerly the **Dow Jones-UBS Commodity Index**) tracks prices of futures contracts on physical commodities on the commodity markets and is designed to minimize concentration in any one commodity or sector (currently 22 commodity futures in seven sectors). The **Barclays Capital US Credit Index** is an unmanaged index considered representative of publicly issued, SEC-registered US corporate and specified foreign debentures and secured notes. The **Barclays Capital US Aggregate Bond Index** is a market capitalization-weighted index of investment-grade, fixed-rate debt issues, including government, corporate, asset-backed, and mortgage-backed securities, with maturities of at least one year. The **Barclays Capital US Corporate High Yield Index** covers the USD-denominated, non-investment grade, fixed-rate, taxable corporate bond market. Securities are classified as high-yield if the middle rating of Moody's, Fitch and S&P is Ba1/BB+/BB+ or below. The index may include emerging market debt. The **Barclays Capital Municipal Bond Index** is an unmanaged index comprised of investment-grade, fixed-rate municipal securities representative of the tax-exempt bond market in general. The **Barclays Capital US Treasury Total Return Index** is an unmanaged index of public obligations of the US Treasury with a remaining maturity of one year or more. The **Barclays Capital Global Aggregate ex-U.S. Index** is a market capitalization-weighted index, meaning the securities in the index are weighted according to the market size of each bond type. Most U.S. traded investment grade bonds are represented. Municipal bonds, and Treasury Inflation-Protected Securities are excluded, due to tax treatment issues. The index includes Treasury securities, Government agency bonds, Mortgage-backed bonds, Corporate bonds, and a small amount of foreign bonds traded in U.S. The **Barclays Capital U.S. 5-10 Year Corporate Bond Index** measures the investment return of U.S. dollar denominated, investment-grade, fixed rate, taxable securities issued by industrial, utility, and financial companies with maturities between 5 and 10 years. Treasury securities, mortgage-backed securities (MBS) foreign bonds, government agency bonds and corporate bonds are some of the categories included in the index. The **Barclays Capital U.S. Corporate High-Yield Index** is composed of fixed-rate, publicly issued, non-investment grade debt. The **Barclays Capital U.S. Corporate 5-10 Year Index** includes U.S. dollar-denominated, investment-grade, fixed-rate, taxable securities issued by industrial, utility, & financial companies, with maturities between 5 & 10 years. The **DJ-UBS Commodity Index Total Return SM** measures the collateralized returns from a basket of 19 commodity futures contracts representing the energy, precious metals, industrial metals, grains, softs and livestock sectors. The **Russell 1000 Index** is a market capitalization-weighted benchmark index made up of the 1000 largest U.S. companies in the Russell 3000 Index. The **Russell 1000 Growth Index** is an unmanaged index considered representative of large-cap growth stocks. The **Russell 1000 Value Index** is an unmanaged index considered representative of large-cap value stocks. The **Russell 2000 Index** is an unmanaged index considered representative of small-cap stocks. The **Russell 2000 Growth Index** is an unmanaged index considered representative of small-cap growth stocks. The **Russell 2000 Value Index** is an unmanaged index considered representative of small-cap value stocks. The **Russell 3000 Index** is an unmanaged index considered representative of the US stock market. The **Russell Midcap Index** is a subset of the Russell 1000 Index. It includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The **Russell Midcap Growth Index** is an unmanaged index considered representative of mid-cap growth stocks. The **Russell Midcap Value Index** is an unmanaged index considered representative of mid-cap value stocks. The **HFRX Indices** are a series of benchmarks of hedge fund industry performance which are engineered to achieve representative performance of a larger universe of hedge fund strategies. Hedge Fund Research, Inc. employs the HFRX Methodology (UCITS compliant), a proprietary and highly quantitative process by which hedge funds are selected as constituents for the HFRX Indices. The **University of Michigan Consumer Sentiment Index (MCSI)** is a survey of consumer confidence conducted by the University of Michigan using telephone surveys to gather information on consumer expectations regarding the overall economy. The **CBOE Volatility Index (VIX)** is an up-to-the-minute market estimate of expected volatility that is calculated by using real-time S&P 500 Index option bid/ask quotes. The Index uses nearby and second nearby options with at least 8 days left to expiration and then weights them to yield a constant, 30-day measure of the expected volatility of the S&P 500 Index. The **MSCI EAFE Index** is designed to measure the equity market performance of developed markets outside of the U.S. & Canada. The **MSCI EAFE Growth Index** is an unmanaged index considered representative of growth stocks of Europe, Australasia and the Far East. The **MSCI EAFE Value Index** is an unmanaged index considered representative of value stocks of Europe, Australasia and the Far East. The **MSCI EM (Emerging Markets) Latin America Index** is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of emerging markets in Latin America. The **MSCI World ex-U.S. Index** captures large and mid-cap representation across 22 of 23 Developed Markets (DM) countries - excluding the US. With 1,002 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country. The **MSCI Japan Index** is designed to measure the performance of the large and mid-cap segments of the Japanese market. With 320 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in Japan. The **MSCI Emerging Markets Index** is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets. The **MSCI Europe Index** is an unmanaged index considered representative of stocks of developed European countries. The **MSCI Pacific Index** is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of the developed markets in the Pacific region. The **Barclays Intermediate US Government/Credit Bond Index** is a market capitalization-weighted index of investment-grade, fixed-rate debt issues, including Treasuries, government-related and U.S. corporate securities, with maturities of at least one year and less than 10 years. The **Philadelphia Fed Manufacturing Index** is a regional Federal Reserve Bank index measuring changes in business growth and is constructed from a survey of participants who voluntarily answer questions regarding the direction of change in their overall business activities. The **ISM Non-Manufacturing Index** is an index based on surveys of more than 400 non-manufacturing firms' purchasing and supply executives, within 60 sectors across the nation, by the Institute of Supply Management (ISM) and also tracks economic data, like the ISM Non-Manufacturing Business Activity Index. A composite diffusion index is created based on the data from these surveys that monitors economic conditions of the nation. The **Housing Market Index (HMI)** is based on a monthly survey of NAHB members designed to take the pulse of the single-family housing market. In May 2007, **Markit's U.S. PMI** research was extended out to cover producers of metal goods. In October 2009, Markit's U.S. Manufacturing PMI survey panel was extended further to cover all areas of U.S. manufacturing activity. The **NY Empire State Index** is an index based on the monthly survey of manufacturers in New York State - known as the Empire State Manufacturing Survey - conducted by the Federal Reserve Bank of New York. The headline number for the NY Empire State Index refers to the survey's main index, which summarizes general business conditions in New York State.

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