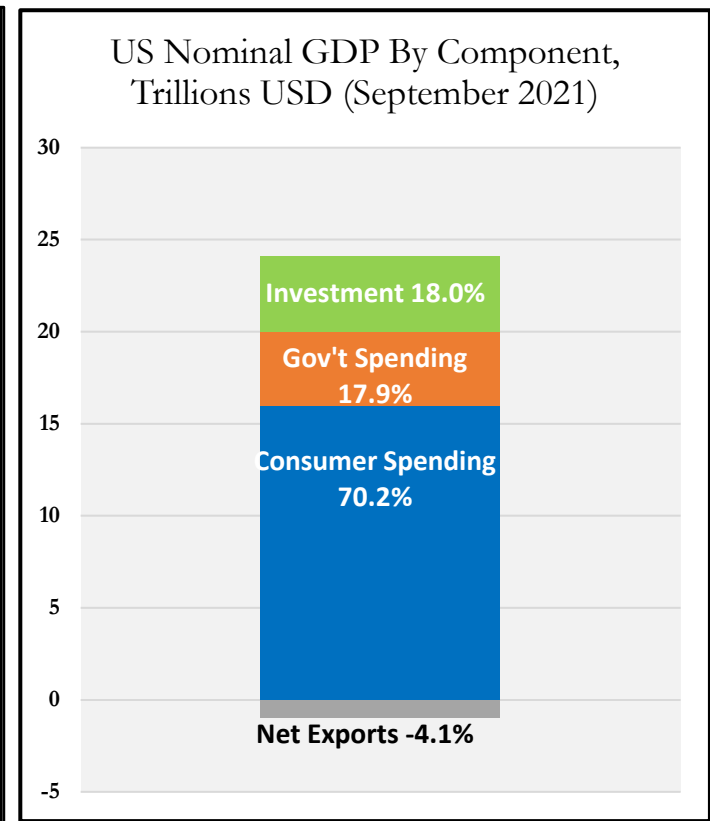


JULEX MACRO CHART BOOK

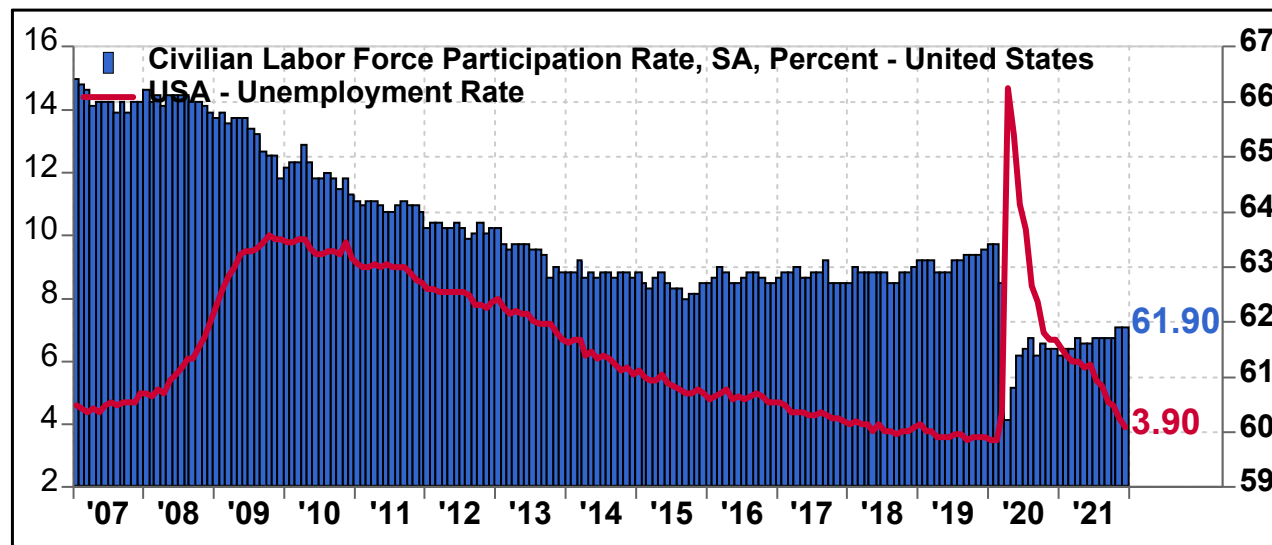
December 2021

For Institutions and Investment Advisers Only.
All Data From FactSet Unless Otherwise Noted.

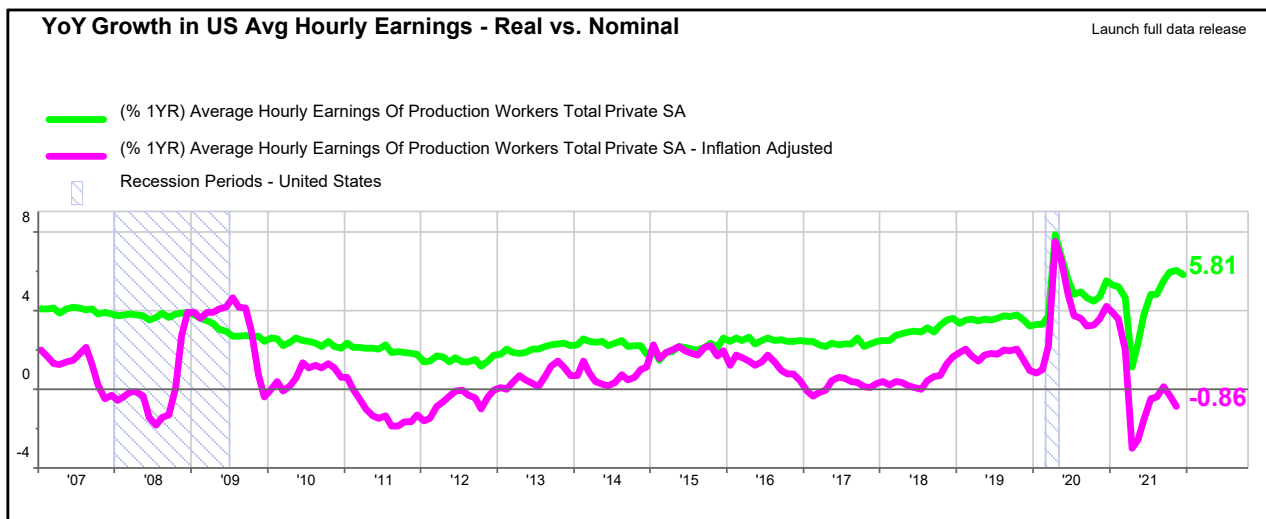
www.julexcapital.com

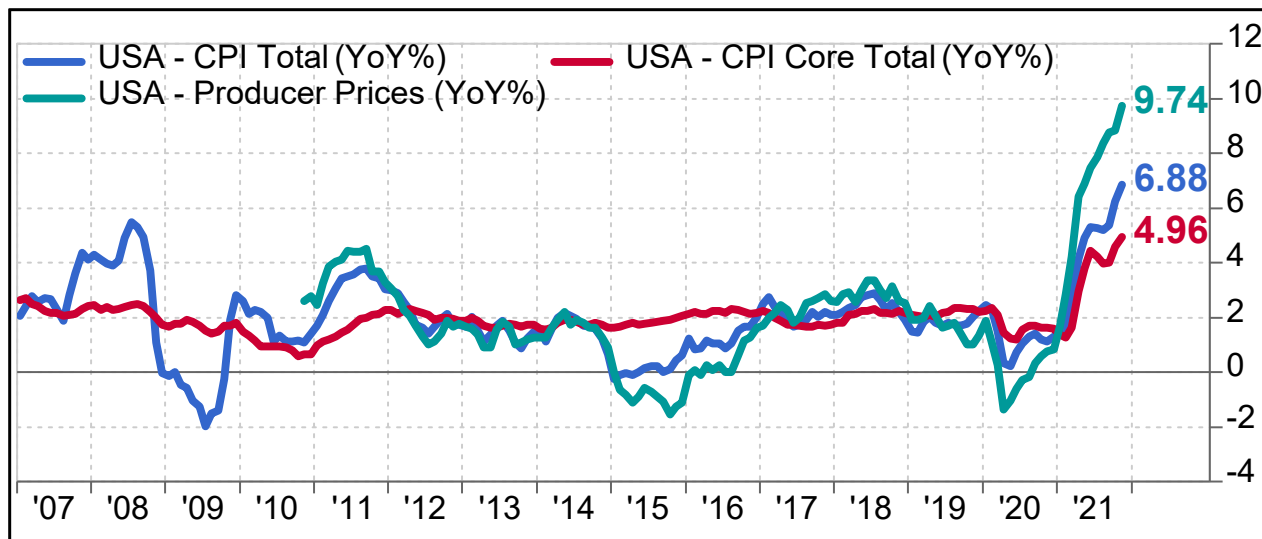


- The US economy grew at a revised 2.3% annualized rate in Q3 2021, missing the 2.6% consensus estimate.

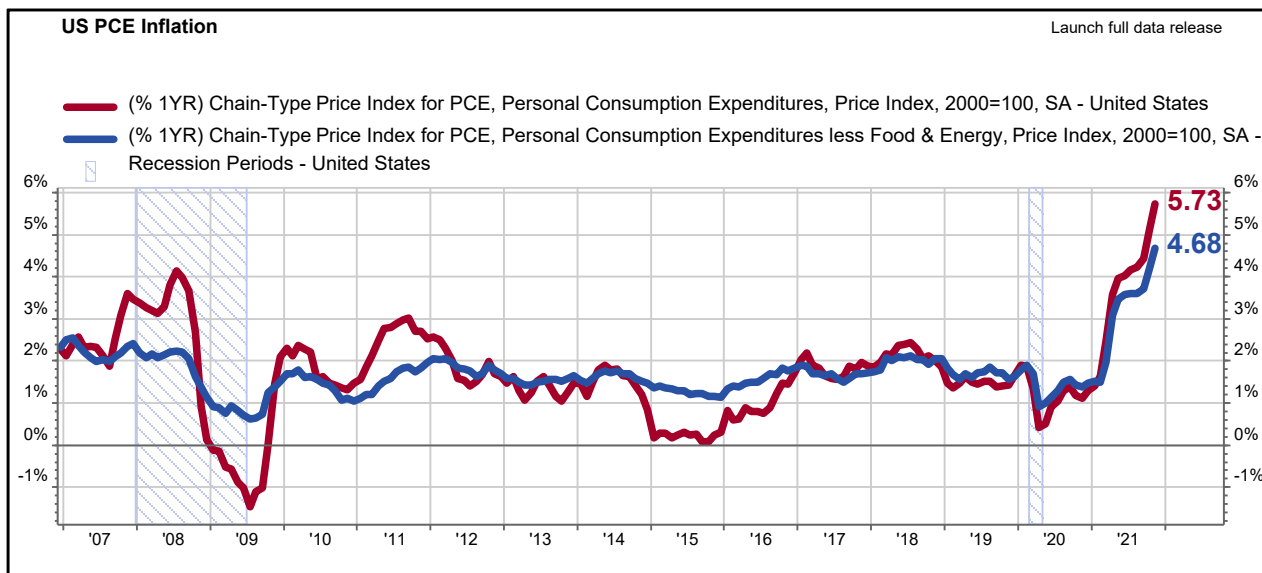


- The December jobs report saw the addition of 199,000 jobs, missing expectations. As people left the work force, the unemployment rate dipped below 4% for the first time since the COVID pandemic.
- Real wage growth remains negative.

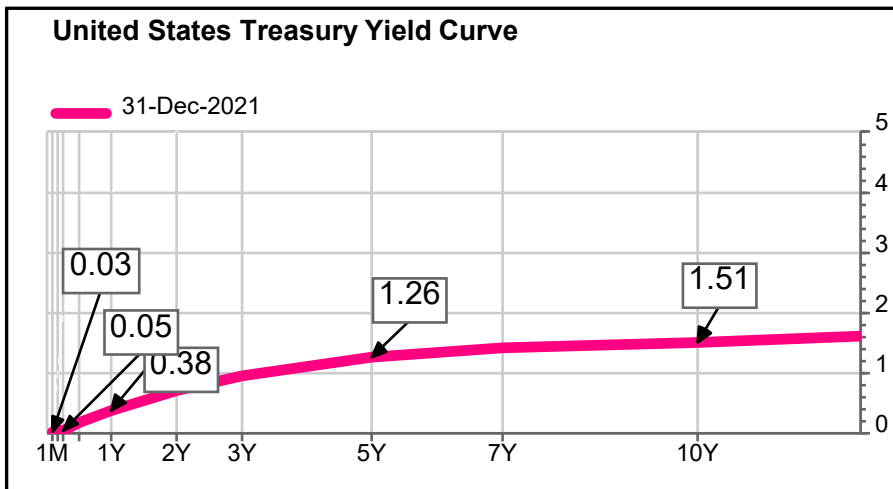




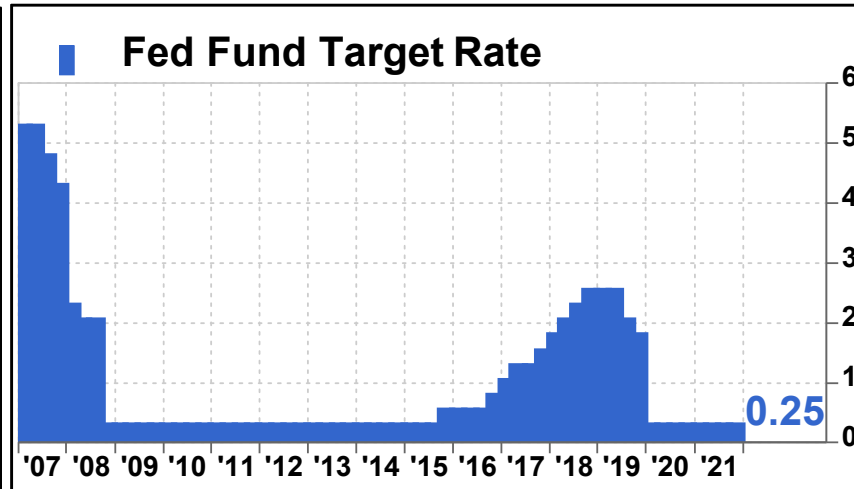
- Inflation continues to be a dominant concern as CPI inflation approaches 10% YoY growth.
- PCE inflation is now over 5%, with core inflation not far behind.



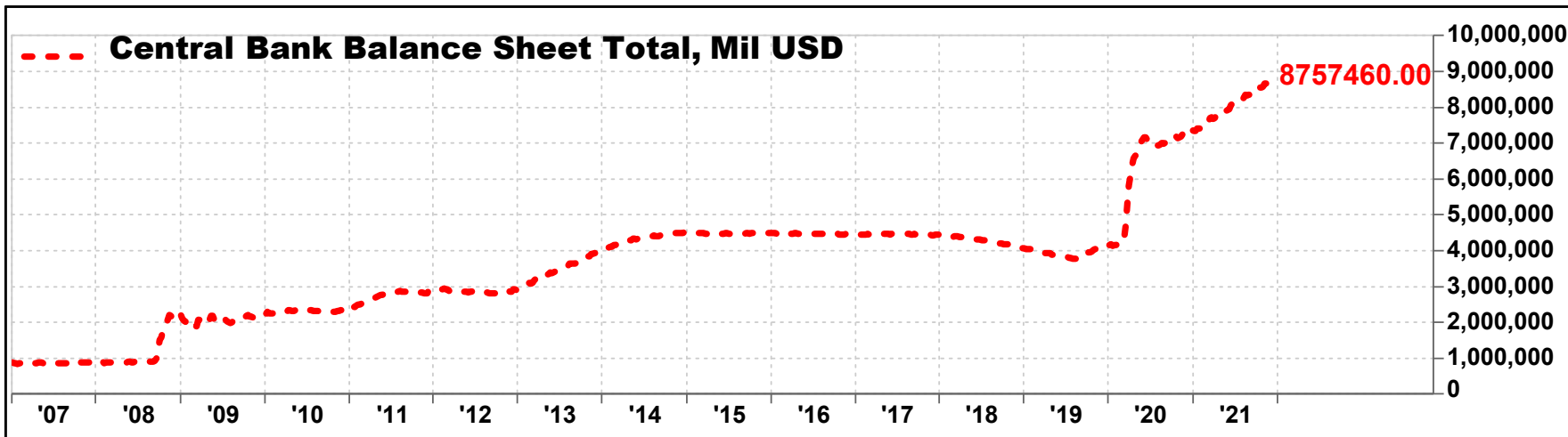
United States Treasury Yield Curve



Fed Fund Target Rate

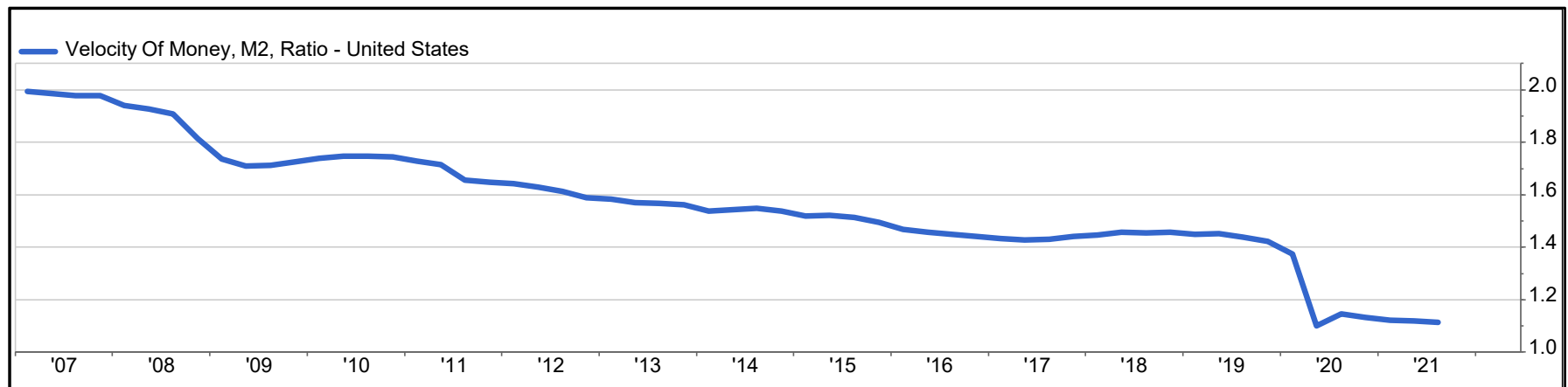
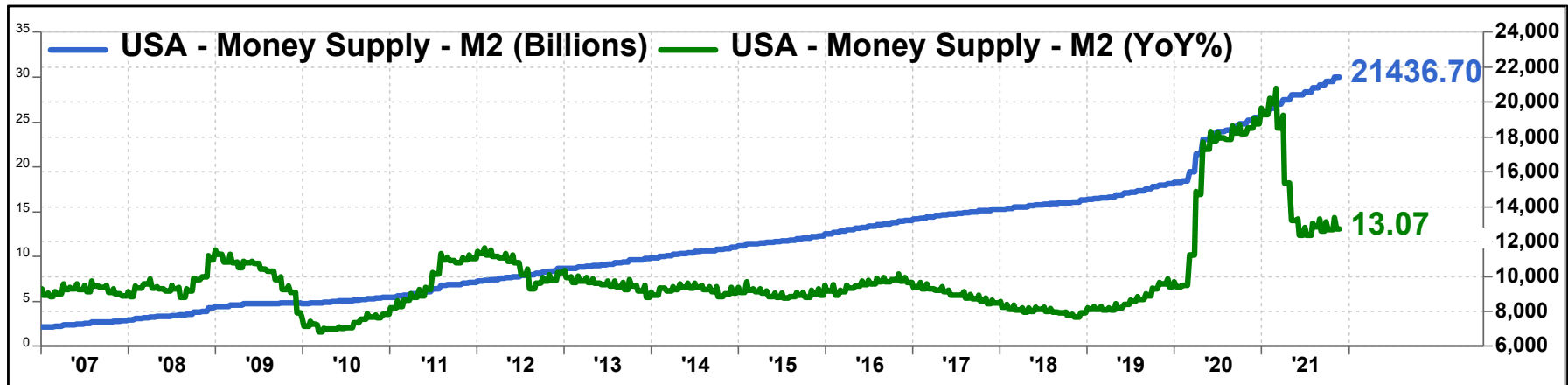


Central Bank Balance Sheet Total, Mil USD



- The yield curve steepened slightly in December.
- The Fed Funds futures markets are pricing in three 25-bps rate hikes by the end 2022. Reverse repo operations are at almost \$2T a day.

US Economy - Monetary Policies (Cont.)



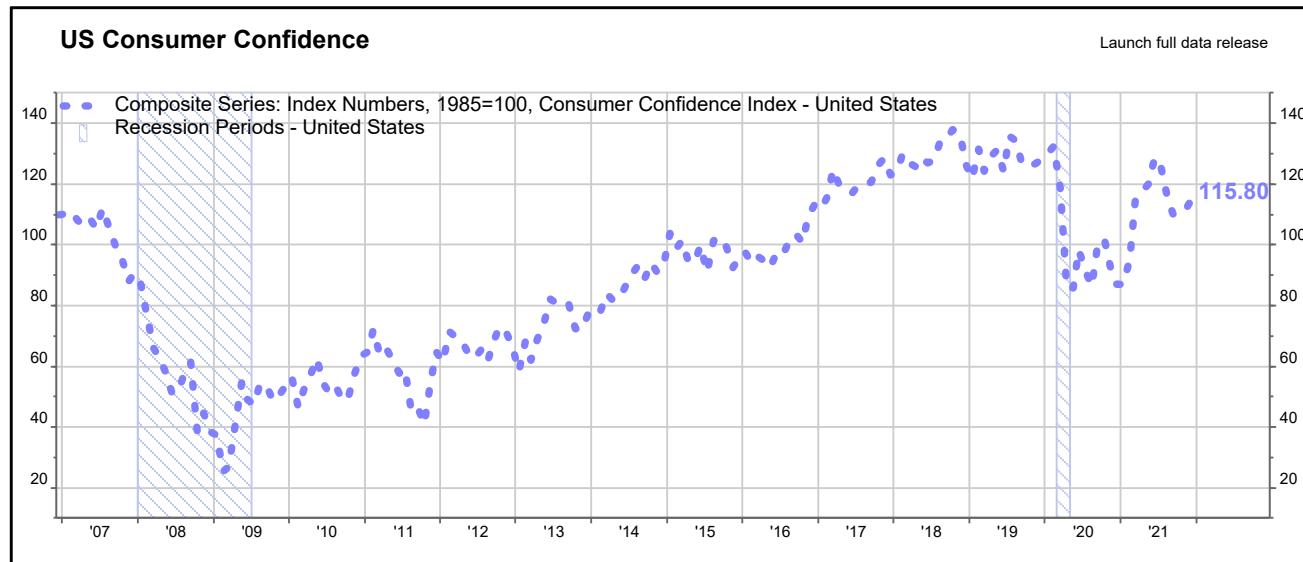
- As the money supply has increased, the velocity of money has decreased substantially, both as a natural result of high debt loads, and a byproduct of the economic shutdown. If velocity picks up, inflation concerns could be magnified.

US Economy - Fiscal Policies

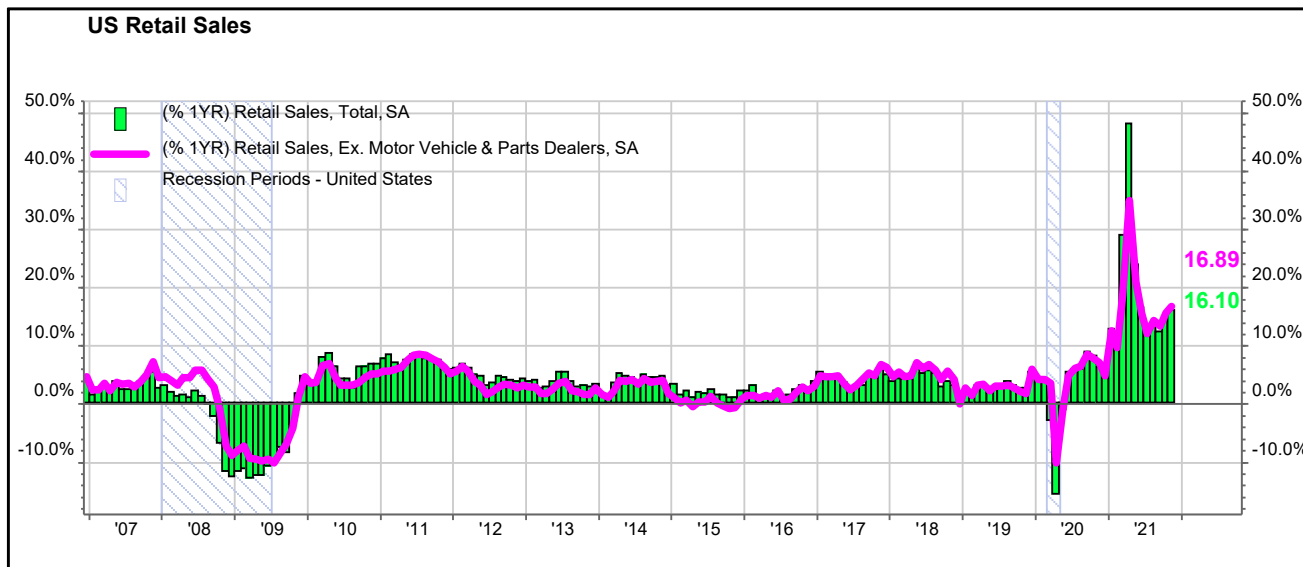
	2021 (Projected)	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Gouvernement Revenues (Billions):												
Individual Income Taxes	1,951.7	1,608.7	1,717.9	1,683.5	1,587.1	1,546.1	1,540.8	1,394.6	1,316.4	1,132.2	1,091.5	898.5
Payroll Taxes	1,345.5	1,310.0	1,243.1	1,170.7	1,161.9	1,115.1	1,065.3	1,023.5	947.8	845.3	818.8	864.8
Corporate Income Taxes	238.4	211.8	230.2	204.7	297.0	299.6	343.8	320.7	273.5	242.3	181.1	191.4
Excise Taxes	86.8	86.8	98.9	95.0	83.8	95.0	98.3	93.4	84.0	79.1	72.4	66.9
Estate and Gift Taxes	17.6	17.6	16.7	23.0	22.8	21.4	19.2	19.3	18.9	14.0	7.4	18.9
Customs Duties	68.6	68.6	70.8	41.3	34.6	34.8	35.0	33.9	31.8	30.3	29.5	25.3
Miscellaneous	145.5	116.5	84.6	110.5	129.0	156.0	147.5	136.1	102.6	106.8	102.8	96.8
Total Revenue	3,854.1	3,420.0	3,462.2	3,328.7	3,316.2	3,268.0	3,249.9	3,021.5	2,775.1	2,450.0	2,303.5	2,162.7
Mandatory Spending (Billions):												
Social Security	1,129.0	1,089.8	1,038.5	982.2	939.2	910.3	881.9	844.9	807.8	767.7	724.9	700.8
Medicare	831.5	916.9	775.3	704.3	702.3	692.5	634.1	599.8	585.2	551.2	559.6	520.5
Medicaid	519.2	458.5	409.4	389.2	374.7	368.3	349.8	301.5	265.4	250.5	275.0	272.8
Income Security	1,351.5	1,052.1	303.1	285.3	293.8	303.8	301.0	310.9	339.5	353.6	404.0	437.3
Federal Retirement	177.2	171.2	170.0	163.1	162.6	163.8	161.5	157.5	152.5	143.5	144.2	138.4
Veterans' Programs	130.2	121.7	115.3	101.3	105.0	106.5	92.4	86.8	80.4	68.0	71.0	58.3
Other Programs	940.9	976.7	198.3	153.2	194.7	119.8	134.2	74.5	105.5	124.2	56.1	-17.8
Offsetting Receipts	-148.9	-231.5	-275.4	-259.0	-253.4	-237.6	-258.4	-277.3	-304.7	-228.3	-208.9	-196.5
Total Mandatory Spending	4,930.4	4,555.5	2,734.5	2,519.7	2,518.8	2,427.3	2,296.5	2,098.5	2,031.6	2,030.5	2,026.0	1,913.7
Discretionary Spending (Billions):												
Defense	756.6	756.6	676.4	621.7	590.2	584.8	583.4	596.4	625.8	670.5	699.4	688.9
Nondefense	1,142.2	1,139.3	660.0	641.7	610.0	600.4	585.3	582.2	576.4	615.6	647.7	658.3
Total Discretionary Spending	1,898.8	1,895.9	1,336.4	1,263.4	1,200.2	1,185.2	1,168.7	1,178.7	1,202.1	1,286.1	1,347.1	1,347.2
Interest on Debt (Billions):	330.8	344.7	375.6	324.7	262.6	240.0	223.2	229.0	220.9	220.4	230.0	196.2
Total Spending:	7,160.0	6,796.2	4,446.6	4,107.8	3,981.6	3,852.6	3,688.4	3,506.1	3,454.6	3,536.9	3,603.1	3,457.1
Defecit:	3,305.9	3,376.2	984.4	779.0	665.4	584.7	438.5	484.6	679.5	1,087.0	1,299.6	1,294.4

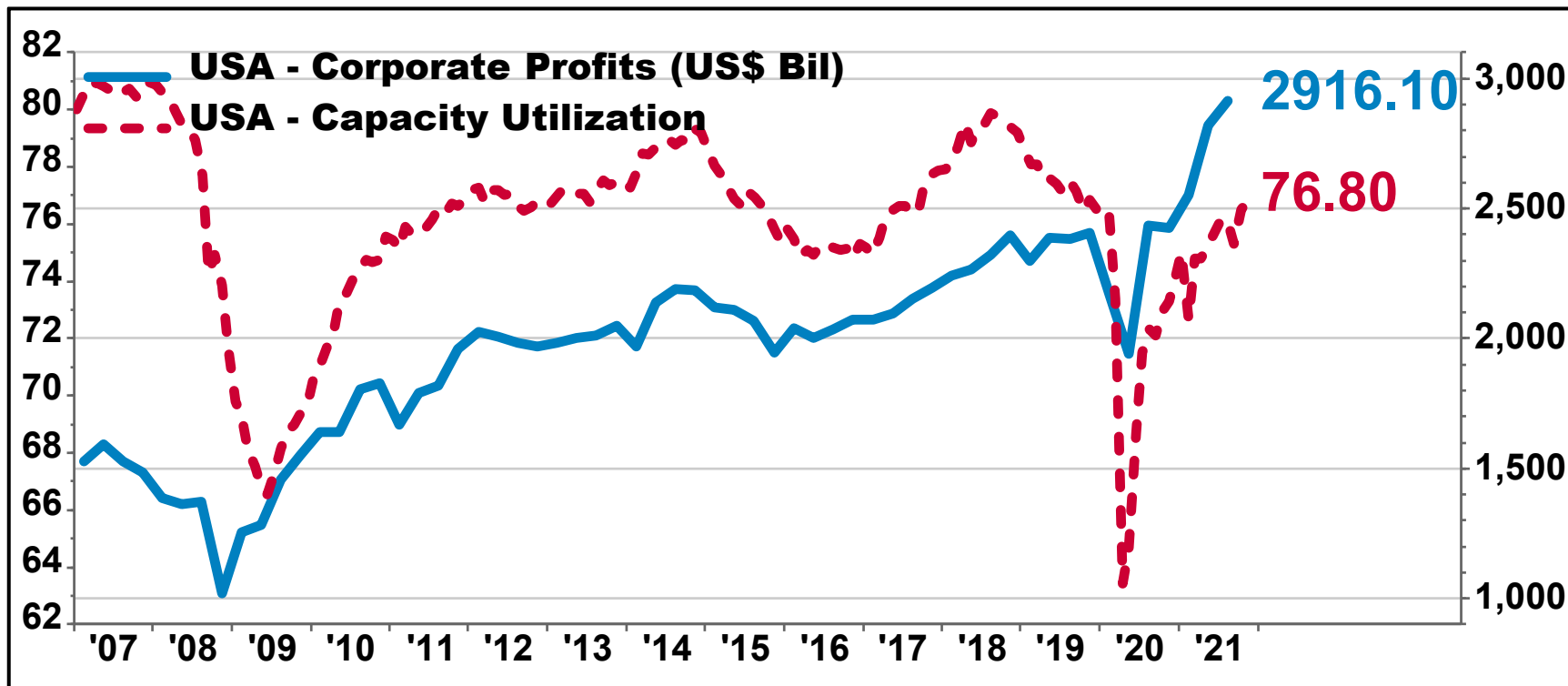
- President Biden's \$2T "Build Back Better" Bill is currently opposed by at least 51 senators.

US Economy - Consumption

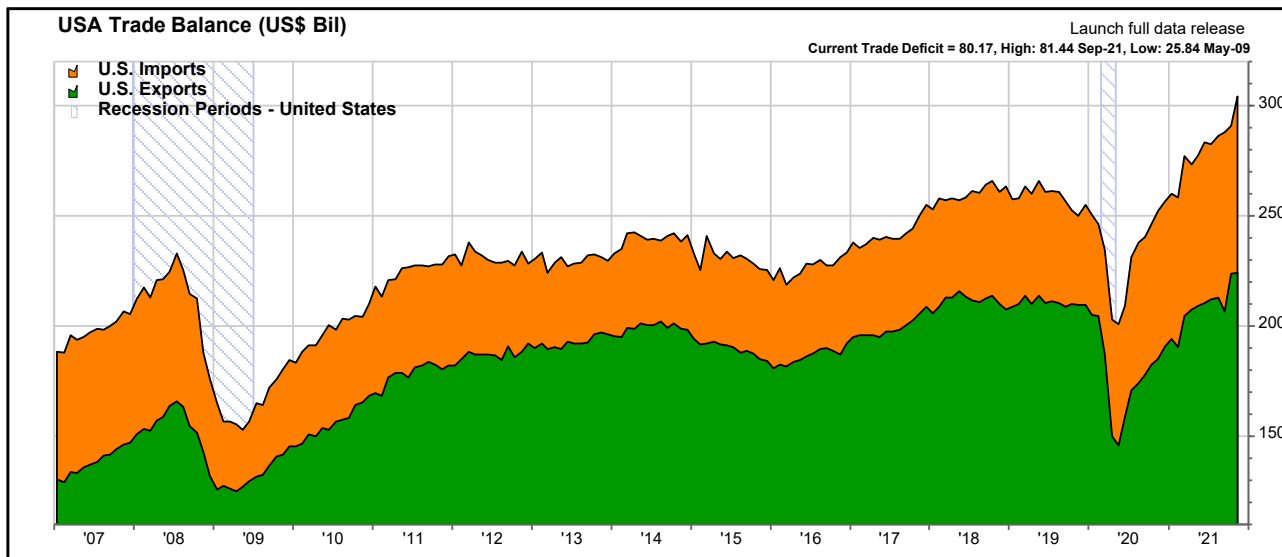


- Consumer confidence is trending down on inflation concerns and the Omicron Variant.
- U.S. retail sales have seen substantial YoY increases since this time last year.

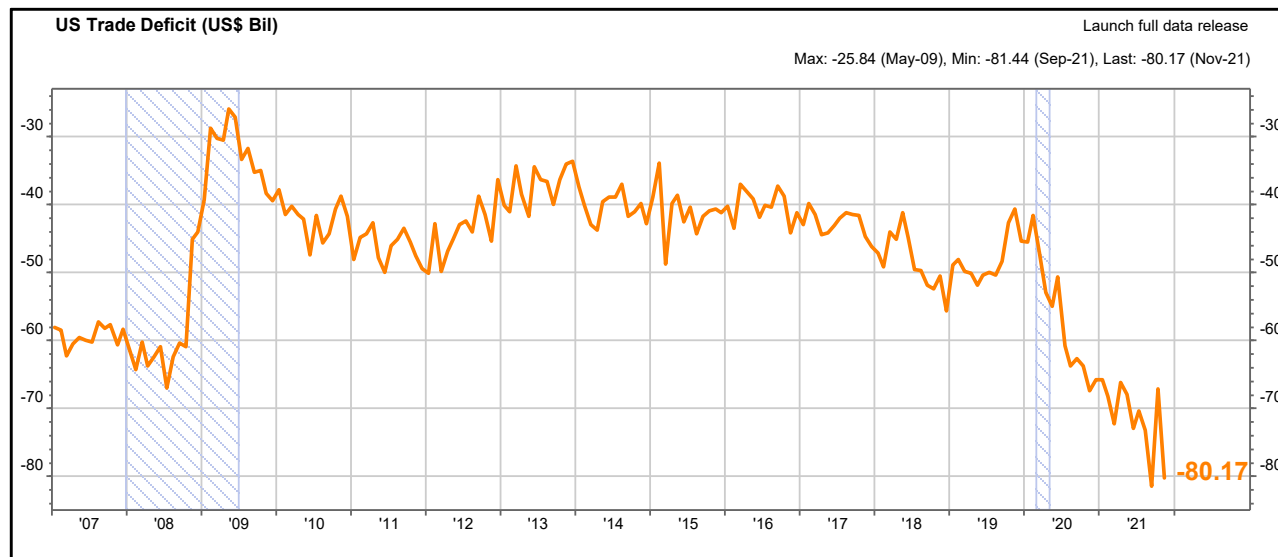




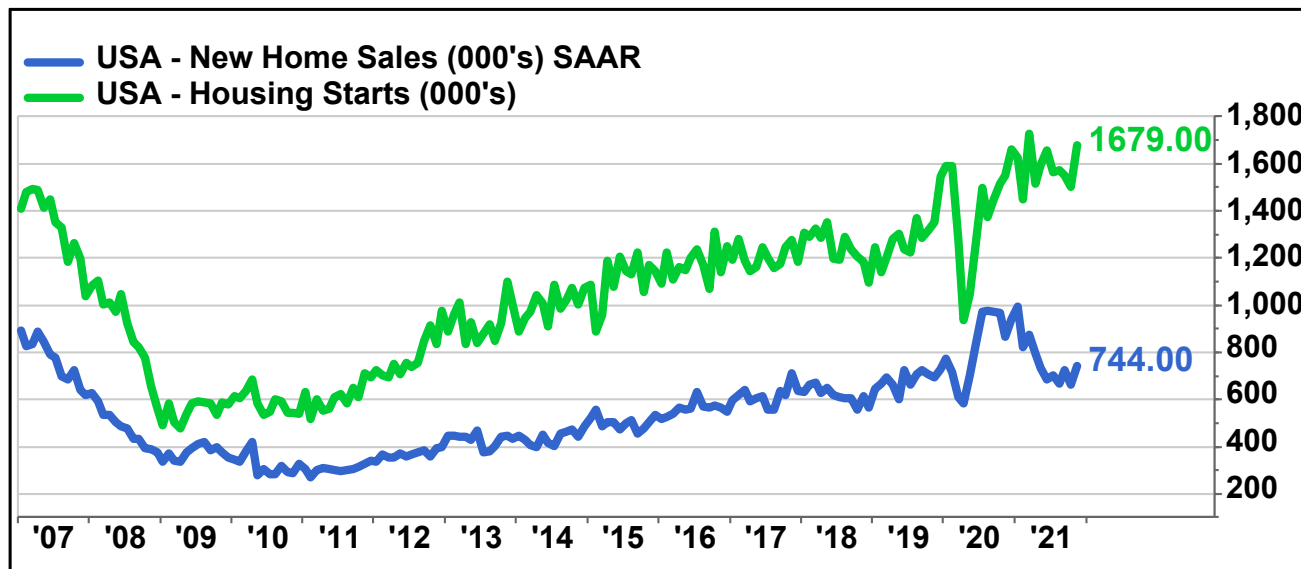
- For Q4 2021, the estimated earnings growth rate for S&P 500 companies is 21.3% according to FactSet.
- Capacity Utilization has improved to pre-pandemic levels.



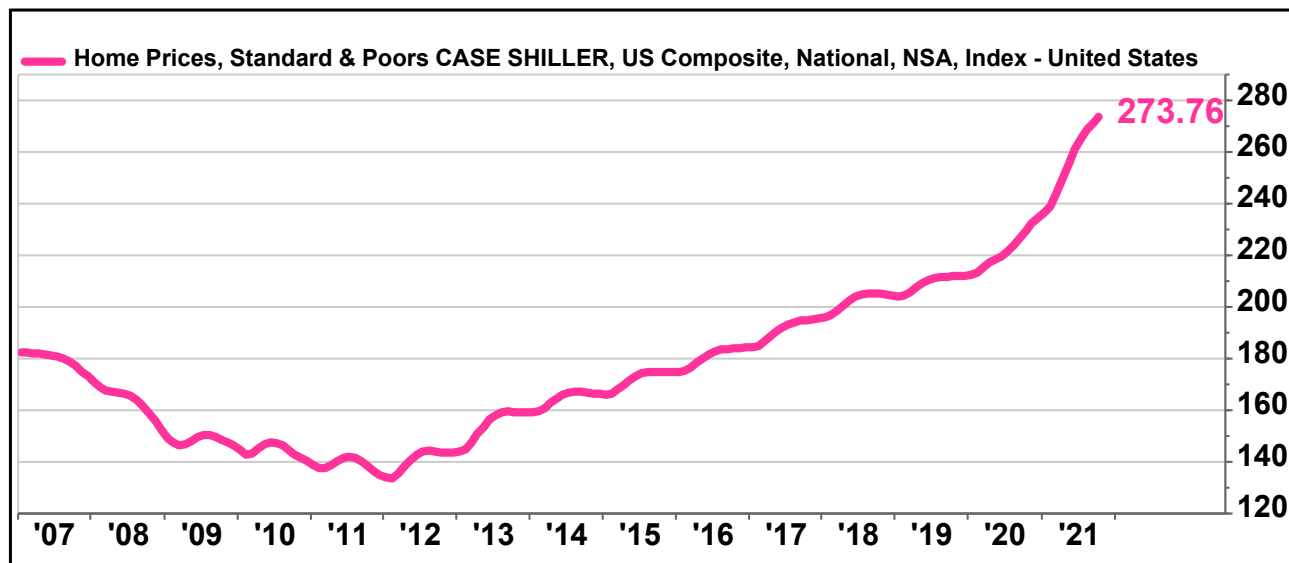
- The monthly trade deficit remains near it's highest levels ever.

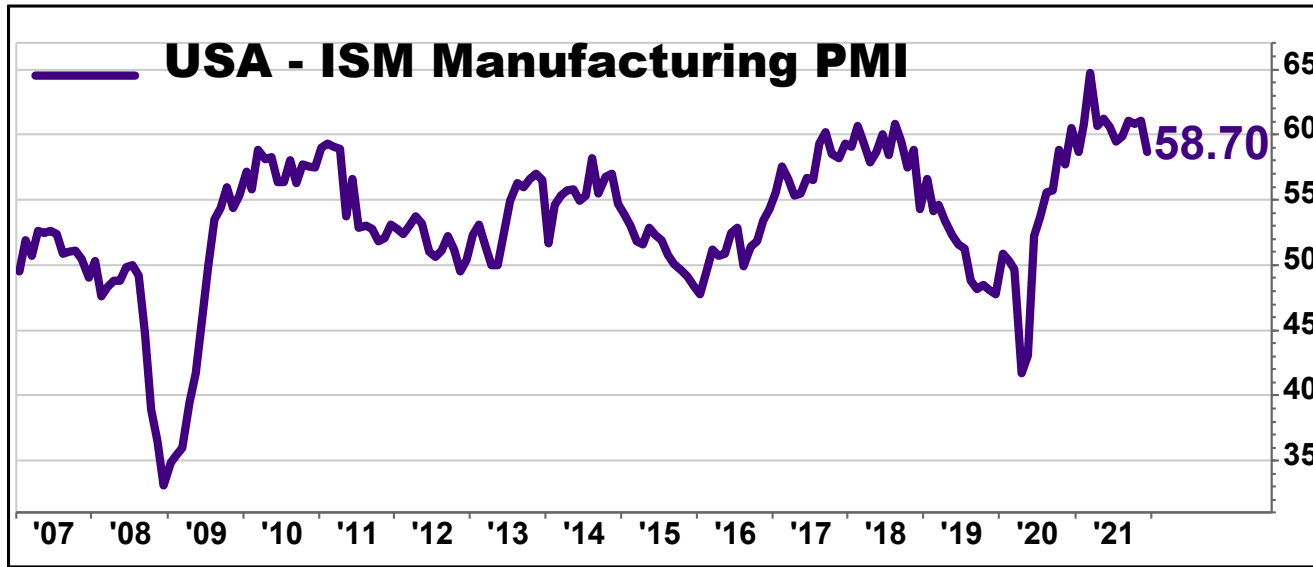


US Economy – Housing Market

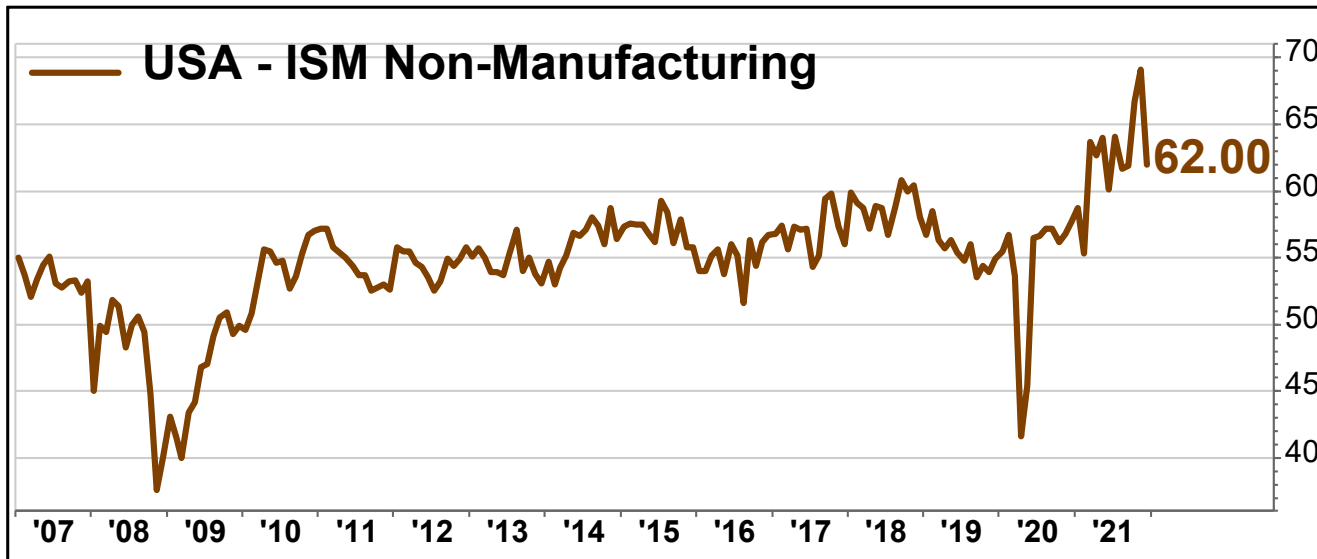


- Home prices continue to rise. The median sales price of homes in the United States is now over \$400,000, according to the St. Louis Fed.





- PMI numbers showed a decrease in enthusiasm but are still directionally positive.



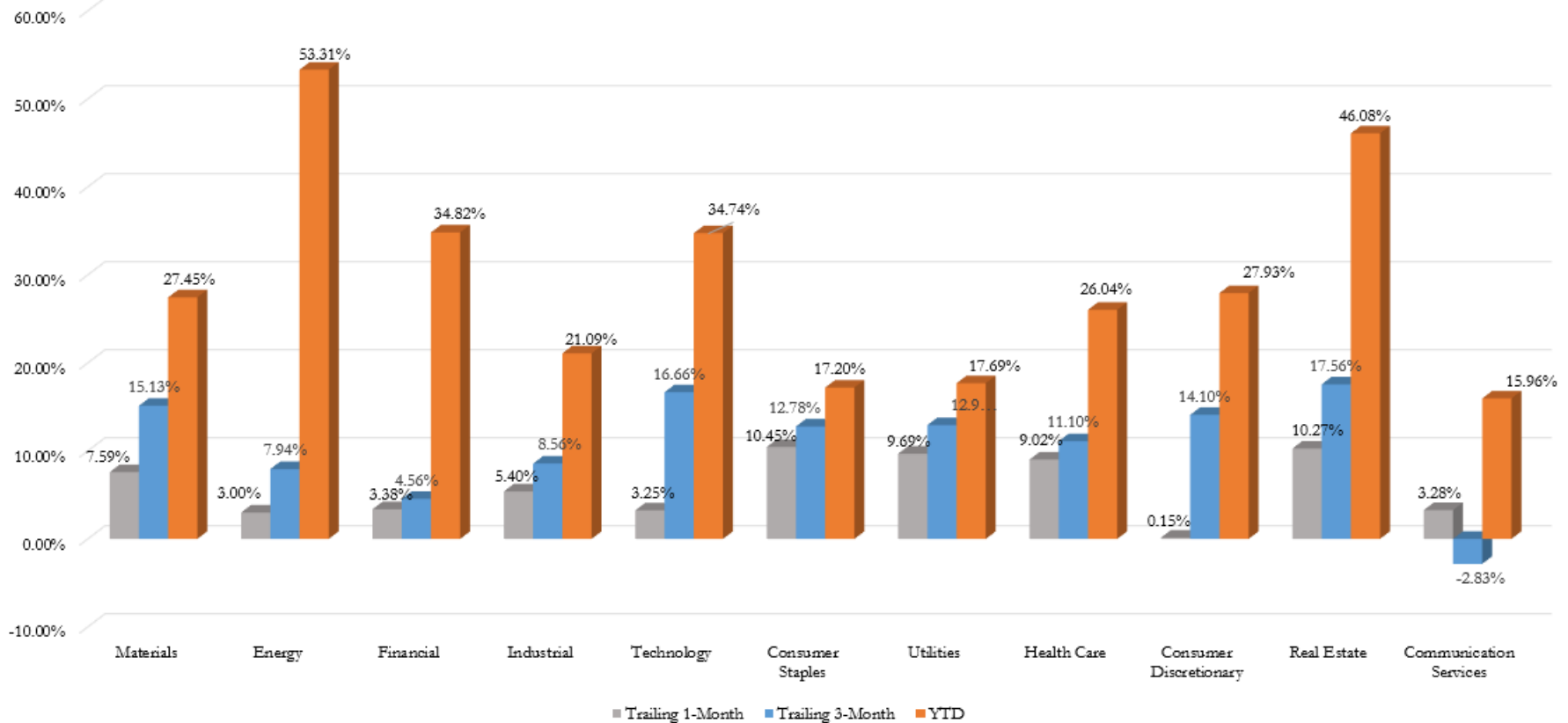
Asset Class Performance

Sector/Asset Class	ETF	2016	2017	2018	2019	2020	YTD	Trailing 3-month	Trailing 1-month
US Large Cap	SPY	12.00%	21.70%	-4.56%	31.22%	18.37%	28.75%	11.07%	4.63%
US Small Cap	IWM	21.60%	14.59%	-11.11%	25.39%	20.03%	14.54%	2.00%	2.28%
Large Cap Value	IVE	17.31%	15.25%	-9.19%	31.63%	1.21%	24.72%	8.25%	7.02%
Large Cap Growth	IVW	6.82%	27.22%	-0.19%	30.77%	33.19%	31.80%	13.33%	2.50%
Mid Cap Value	IWS	19.79%	13.15%	-12.41%	26.74%	4.80%	28.10%	8.53%	6.32%
Mid Cap Growth	IWP	7.22%	24.94%	-4.87%	35.04%	35.24%	12.60%	2.91%	0.37%
Small Cap Value	IWN	31.98%	7.69%	-12.99%	22.01%	4.66%	27.96%	4.21%	4.06%
Small Cap Growth	IWO	11.68%	22.25%	-9.42%	28.48%	34.68%	2.54%	-0.09%	0.43%
International Equity	EFA	1.37%	25.10%	-13.81%	22.03%	7.59%	11.46%	2.84%	4.41%
Emerging Markets Equity	VWO	12.21%	31.48%	-14.77%	20.76%	15.19%	1.30%	-0.11%	1.55%
US REITs	VNQ	8.60%	4.91%	-6.02%	28.87%	-4.68%	40.52%	15.03%	9.69%
Infrastructure MLP	AMLP	14.84%	-7.92%	-12.62%	5.98%	-32.19%	39.03%	0.38%	3.35%
Gold	GLD	8.03%	12.81%	-1.94%	17.86%	24.81%	-4.15%	4.10%	3.30%
Commodity	DJP	12.86%	0.74%	-13.07%	7.63%	-4.12%	31.05%	-1.88%	3.95%
High Yield Bond	JNK	14.43%	6.48%	-3.27%	14.88%	4.95%	3.99%	0.70%	2.36%
Broad Bond	AGG	2.41%	3.55%	0.10%	8.46%	7.48%	-1.77%	-0.10%	-0.36%
TIPs	TIP	4.68%	2.92%	-1.42%	8.35%	10.84%	5.67%	2.39%	0.40%
Treasuries	IEF	1.01%	2.55%	0.99%	8.03%	10.01%	-3.33%	0.12%	-0.52%
Long Term Treasuries	TLT	1.18%	9.18%	-1.61%	14.12%	18.15%	-4.60%	3.18%	-2.01%
Short Term Treasuries	SHV	0.41%	0.67%	1.72%	2.36%	0.81%	-0.10%	-0.05%	0.03%

Note: As of December 31st, 2021.

- Large Cap value outperformed large cap growth in December, and small cap value outperformed small cap growth on both the year and the month.

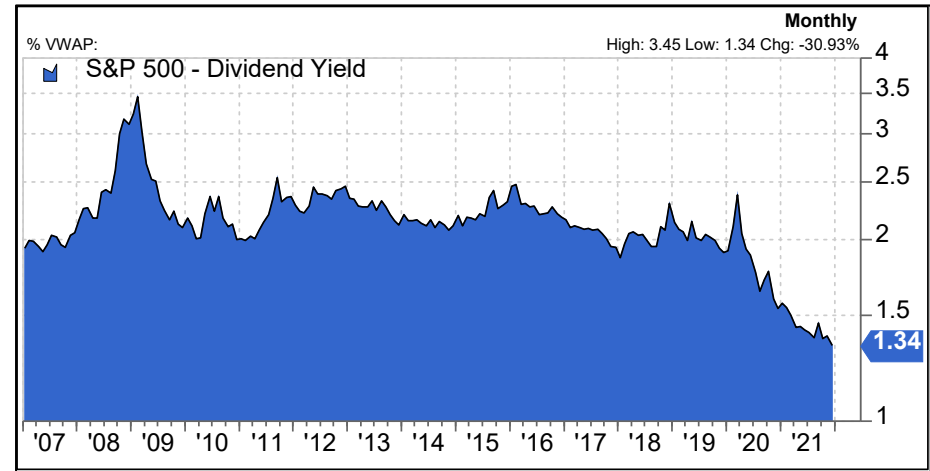
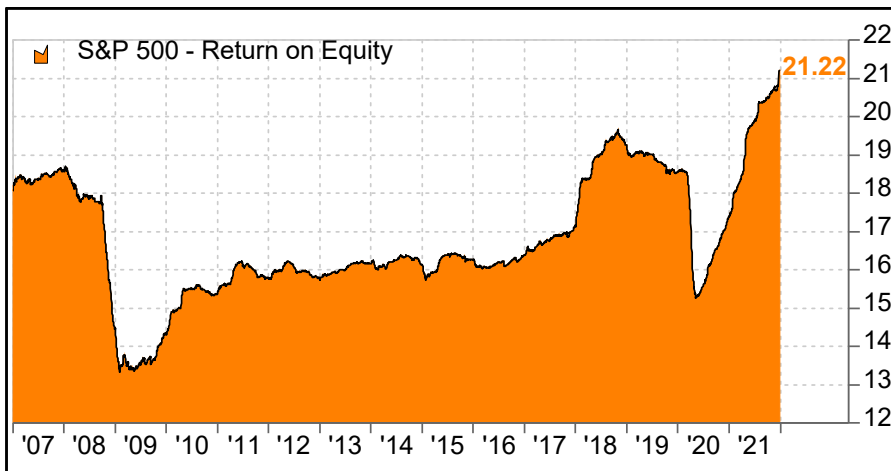
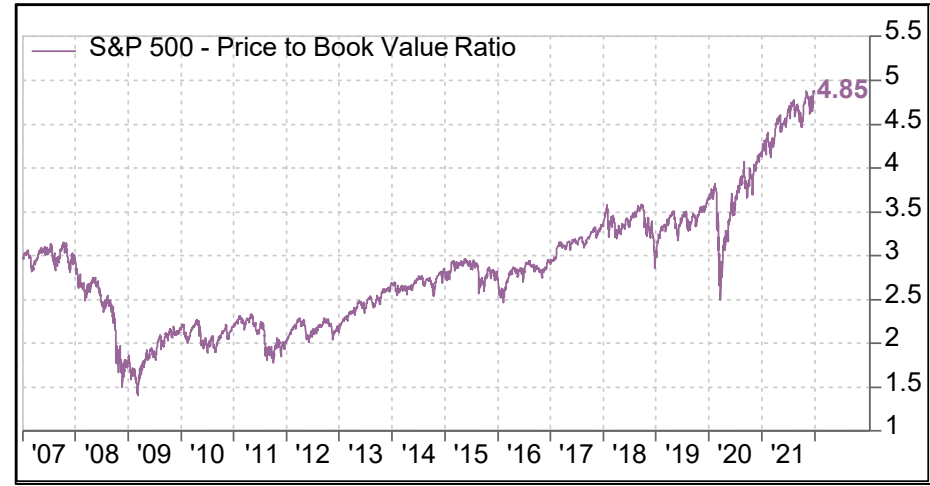
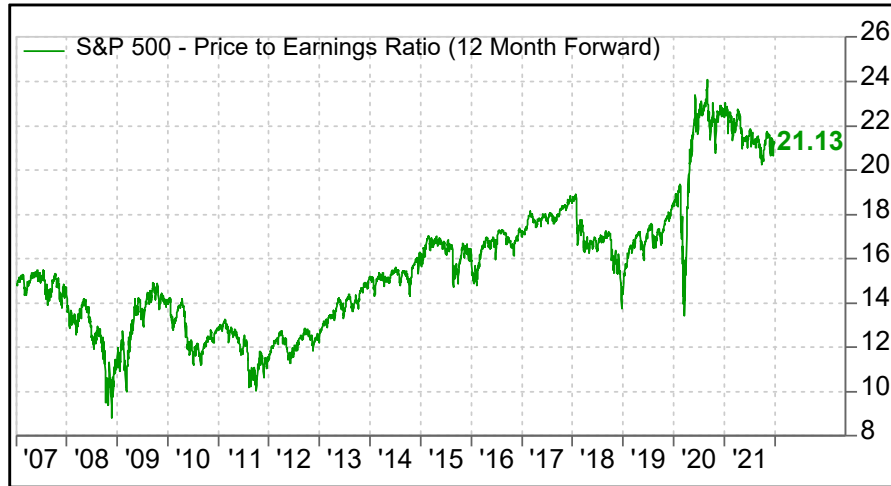
US Sector Performance



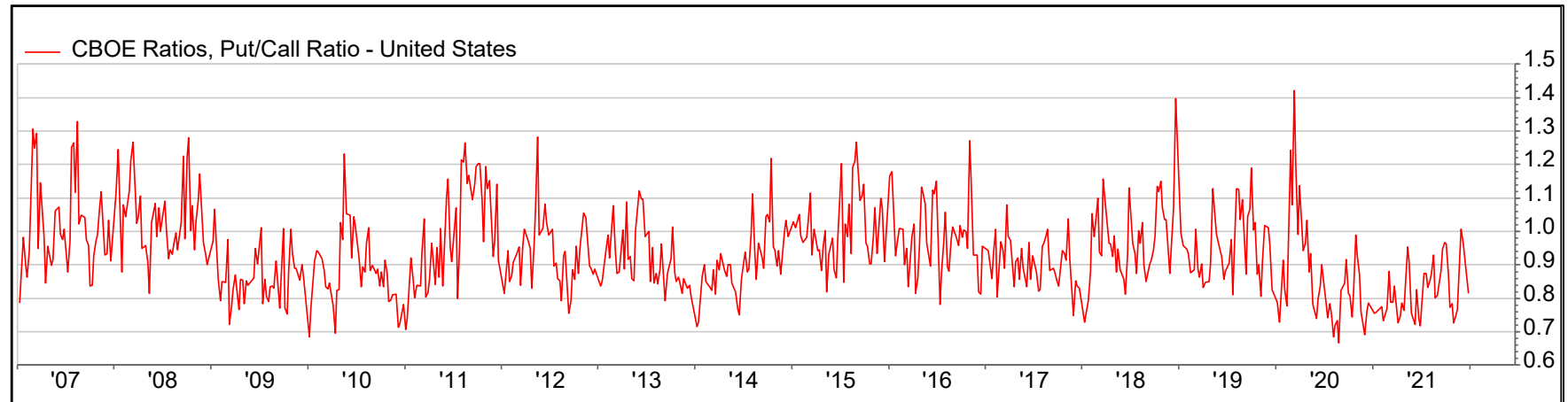
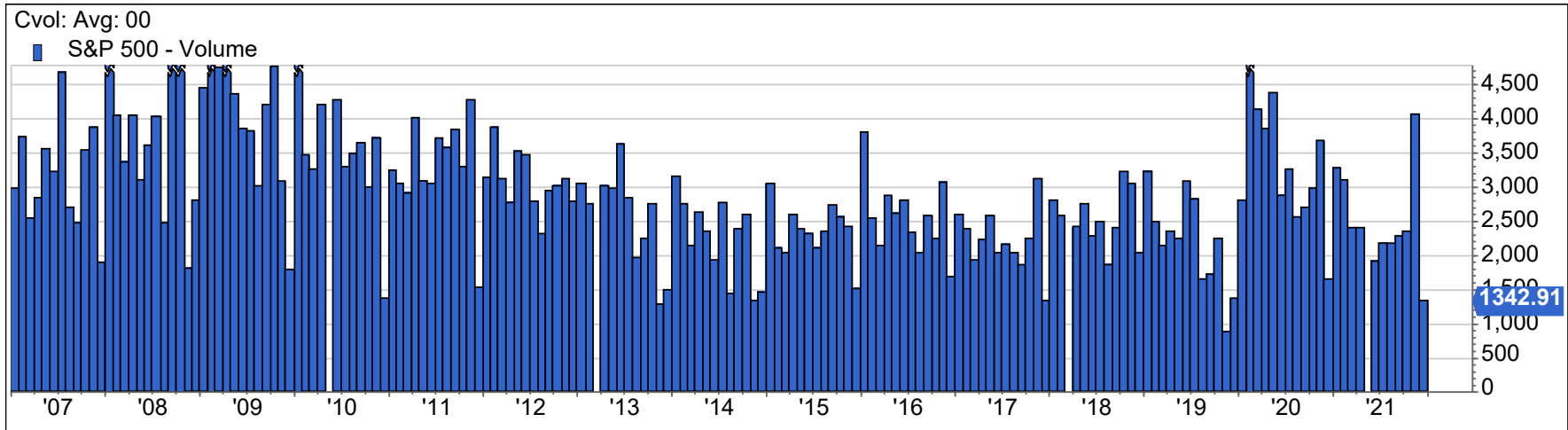
Note: As of December 31st, 2021.

- Every sector was positive in December, and every sector finished the year up more than 15%.

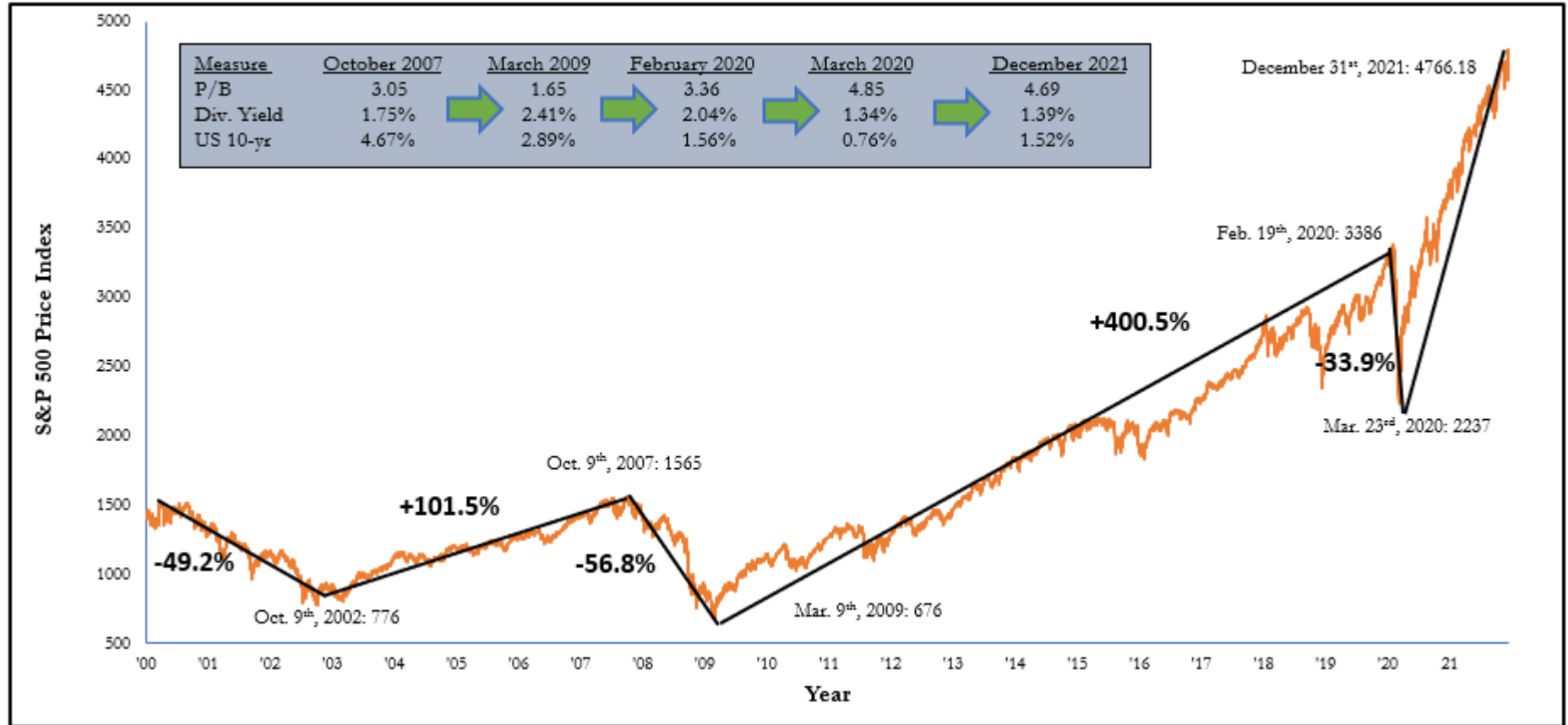
US Equity Market Fundamentals



- Valuations became slightly cheaper in December thanks to strong earnings growth.



- S&P 500 volume was less than a third of its peak volume during the pandemic.
- The Put/Call Ratio sits well below its historical levels.



Note: As of December 31st, 2021.

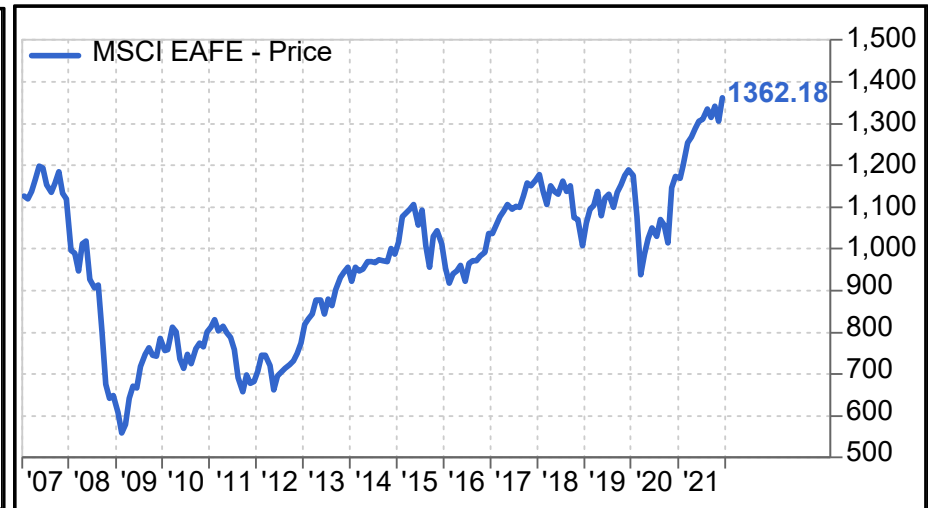
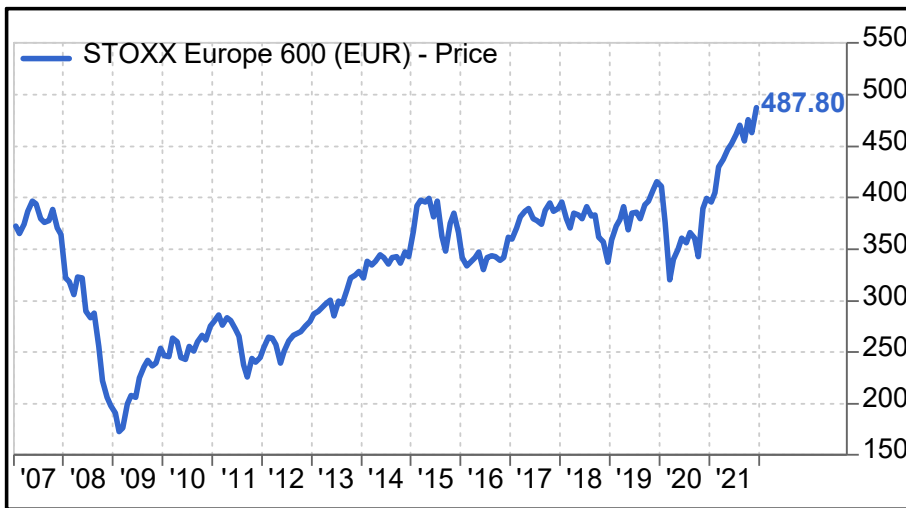
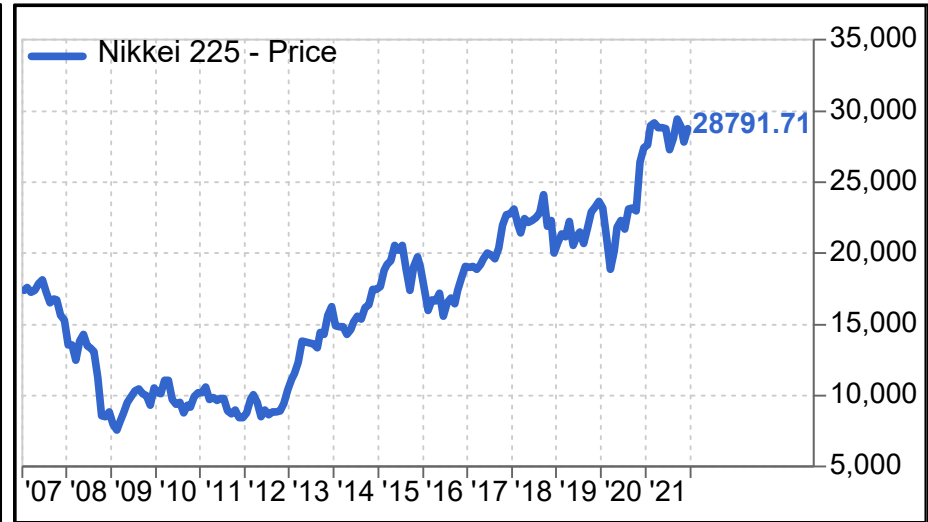
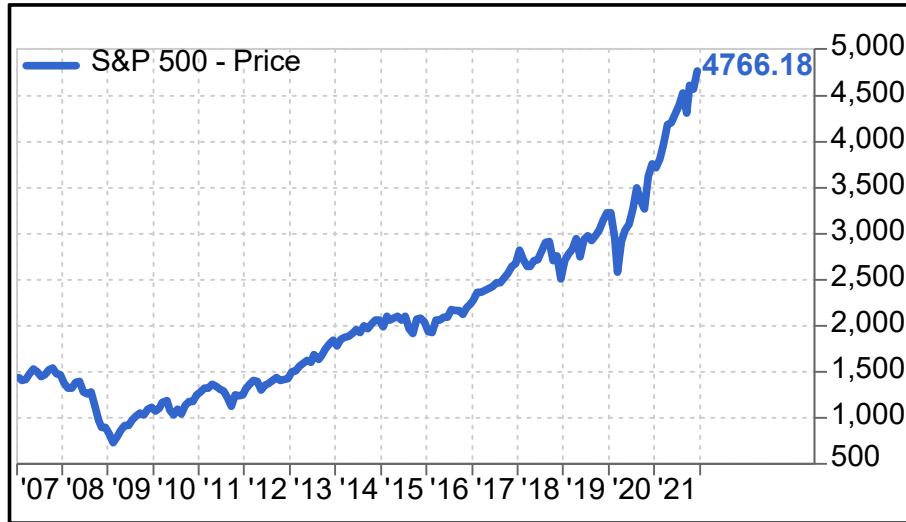
Data Source: FactSet, Yahoo Finance, and www.treasury.gov

Global Equity Performance - Country Comparison

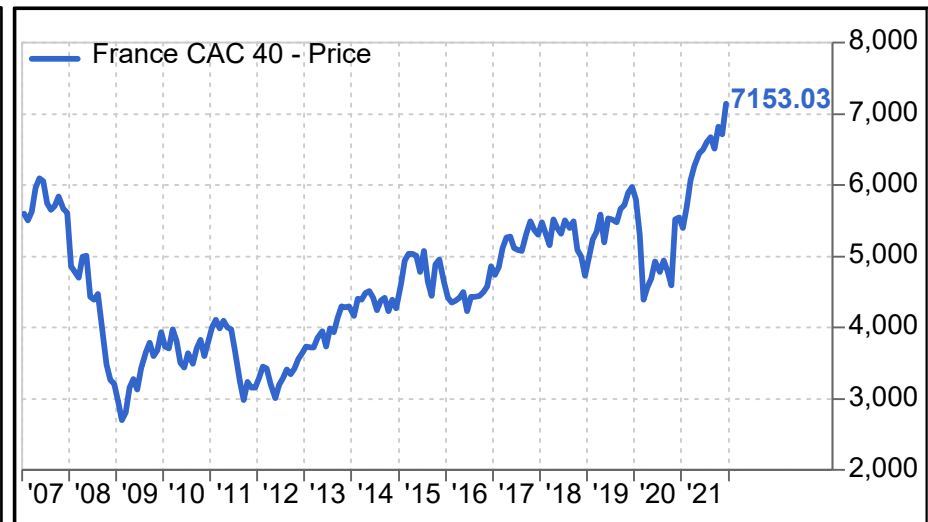
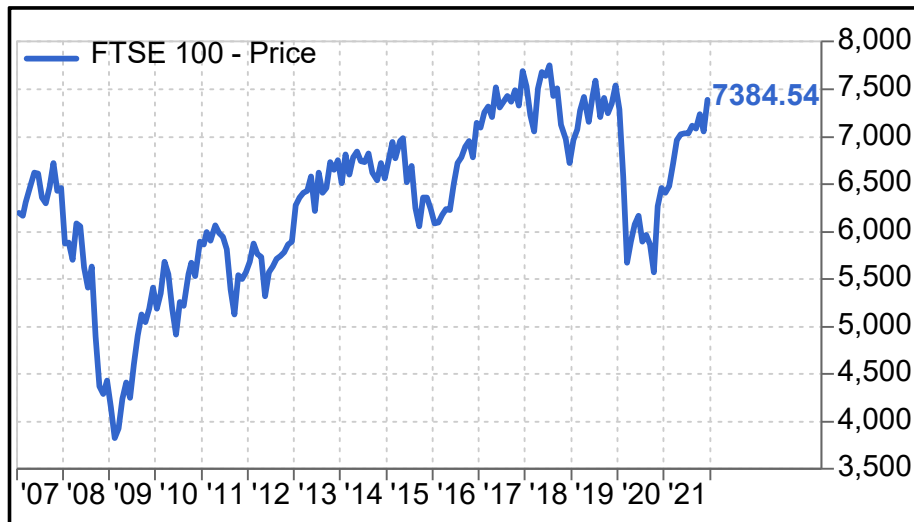
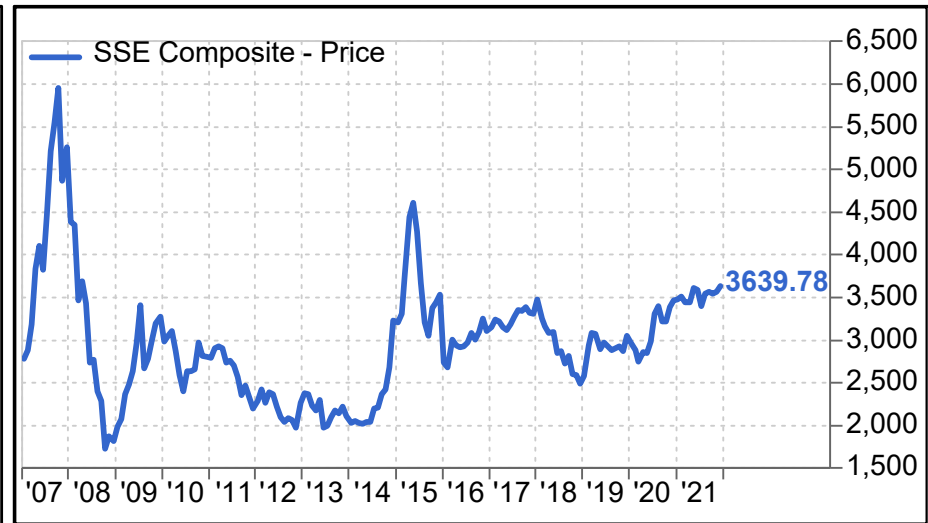
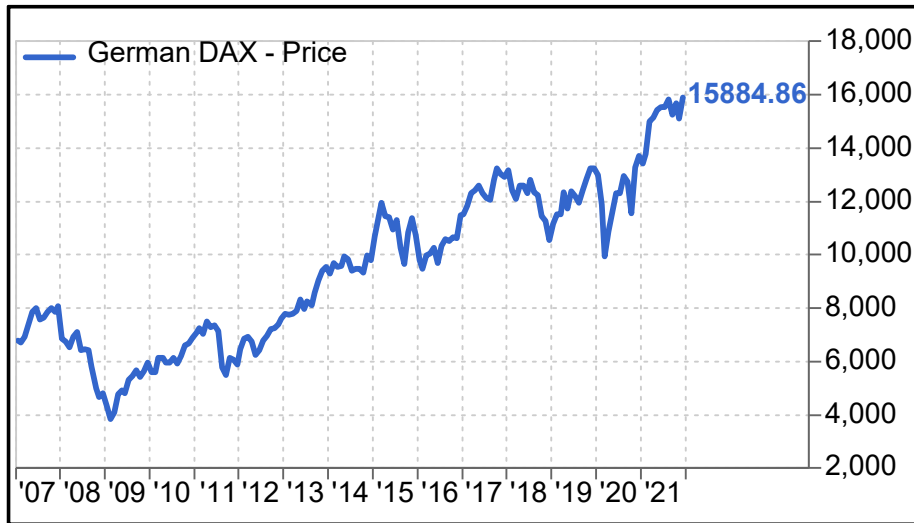
2016	2017	2018	2019	2020	YTD	Trailing 3-month	Trailing 1-month
Brazil 64.47%	China 54.68%	Brazil -2.56%	United States 31.22%	China 27.78%	United States 26.75%	United States 11.07%	England 6.28%
Canada 23.82%	India 36.15%	India -4.29%	Brazil 27.65%	United States 18.37%	Canada 27%	France 7.29%	Italy 5.78%
United States 12%	France 29.13%	United States -4.56%	Canada 27.56%	Japan 15.41%	France 21.47%	Canada 7.24%	France 5.73%
France 4.90%	Italy 28.73%	France -12.88%	Italy 26.97%	Germany 10.56%	India 19.55%	England 5.59%	Spain 5.32%
Germany 3.00%	Germany 27.45%	Japan -14.09%	France 26.67%	India 10.01%	England 18.22%	Italy 5.14%	United States 4.63%
Japan 2.78%	Spain 26.99%	England -14.28%	China 23.7%	Canada 5.52%	Italy 14.41%	Germany 0.44%	Brazil 4.19%
India 1.03%	Japan 24.27%	Spain -15.32%	England 21.25%	France 2.85%	Germany 5.84%	Spain -0.89%	Canada 4.14%
China -0.32%	Brazil 23.56%	Canada -17.16%	Japan 19.33%	Italy 1.67%	Japan 1.17%	India -1.67%	Germany 3.94%
England -1.23%	United States 21.70%	Italy -17.19%	Germany 19.15%	Spain -3.96%	Spain 0.27%	Japan -3.42%	India 2.32%
Spain -1.81%	England 21.59%	China -19.77%	Spain 11.91%	England -11.8%	Brazil -17.28%	Brazil -6%	Japan 2.29%
Italy -8.55%	Canada 15.74%	Germany -21.37%	India 9.99%	Brazil -20.33%	China -21.73%	China -6.36%	China -3.03%
Emerging Markets 10.29%	Emerging Markets 37.40%	Developed Markets -13.81%	Developed Markets 22.03%	Emerging Markets 17.88%	Developed Markets 11.46%	Developed Markets 2.84%	Developed Markets 4.41%
Developed Markets 1.37%	Developed Markets 25.10%	Emerging Markets -14.93%	Emerging Markets 17.79%	Developed Markets 7.59%	Emerging Markets -0.61%	Emerging Markets -0.85%	Emerging Markets 1.85%

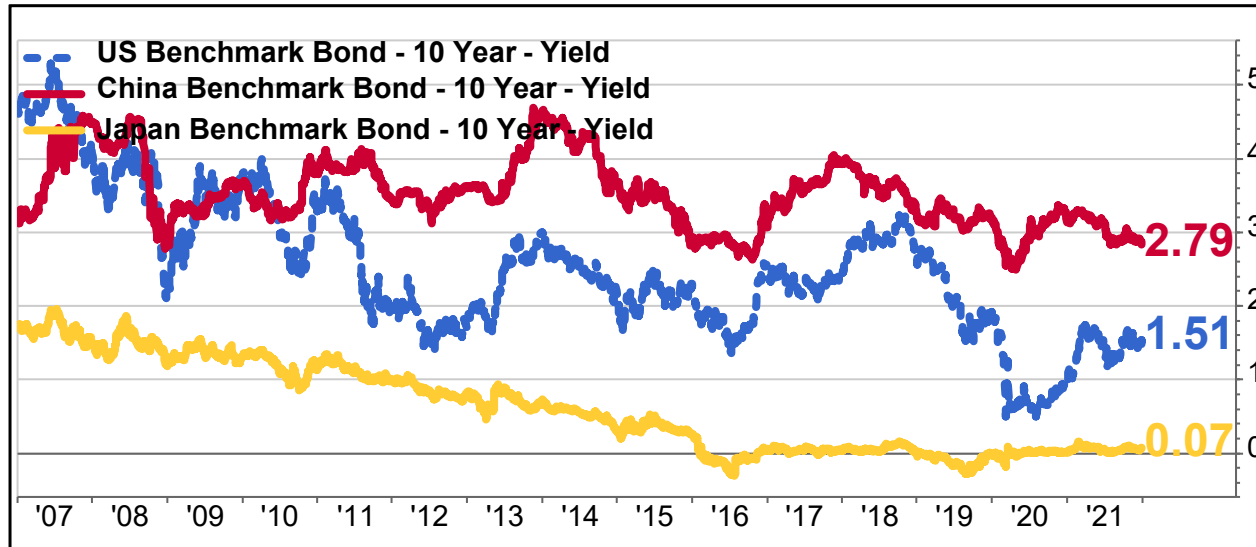
Note: As of December 31st, 2021. Numbers reflective of ETF performance.

Global Equity- Major Indices

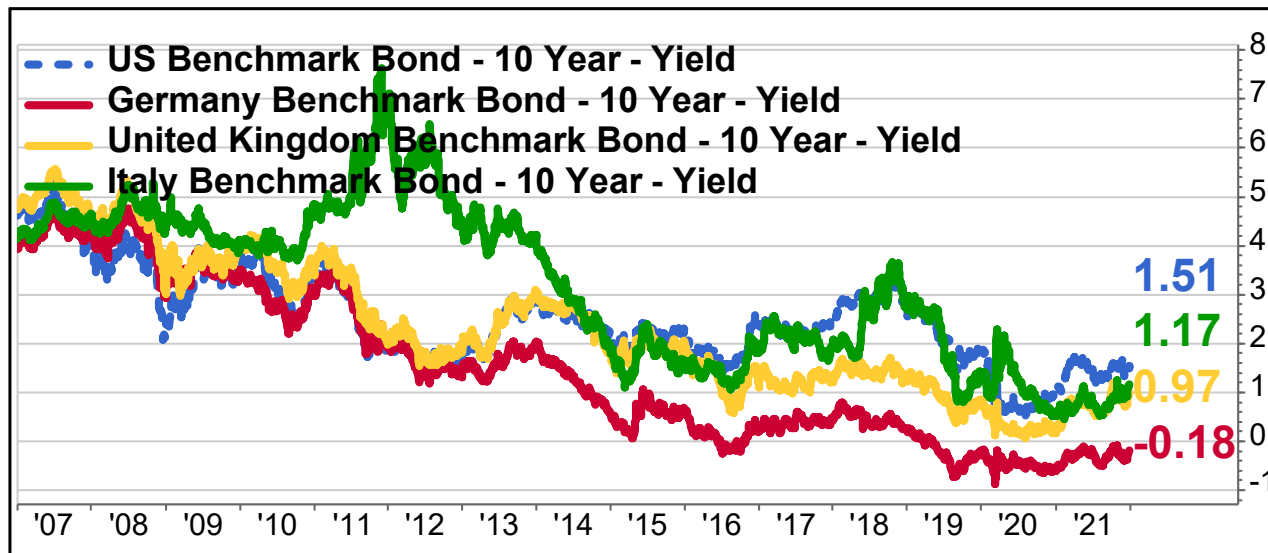


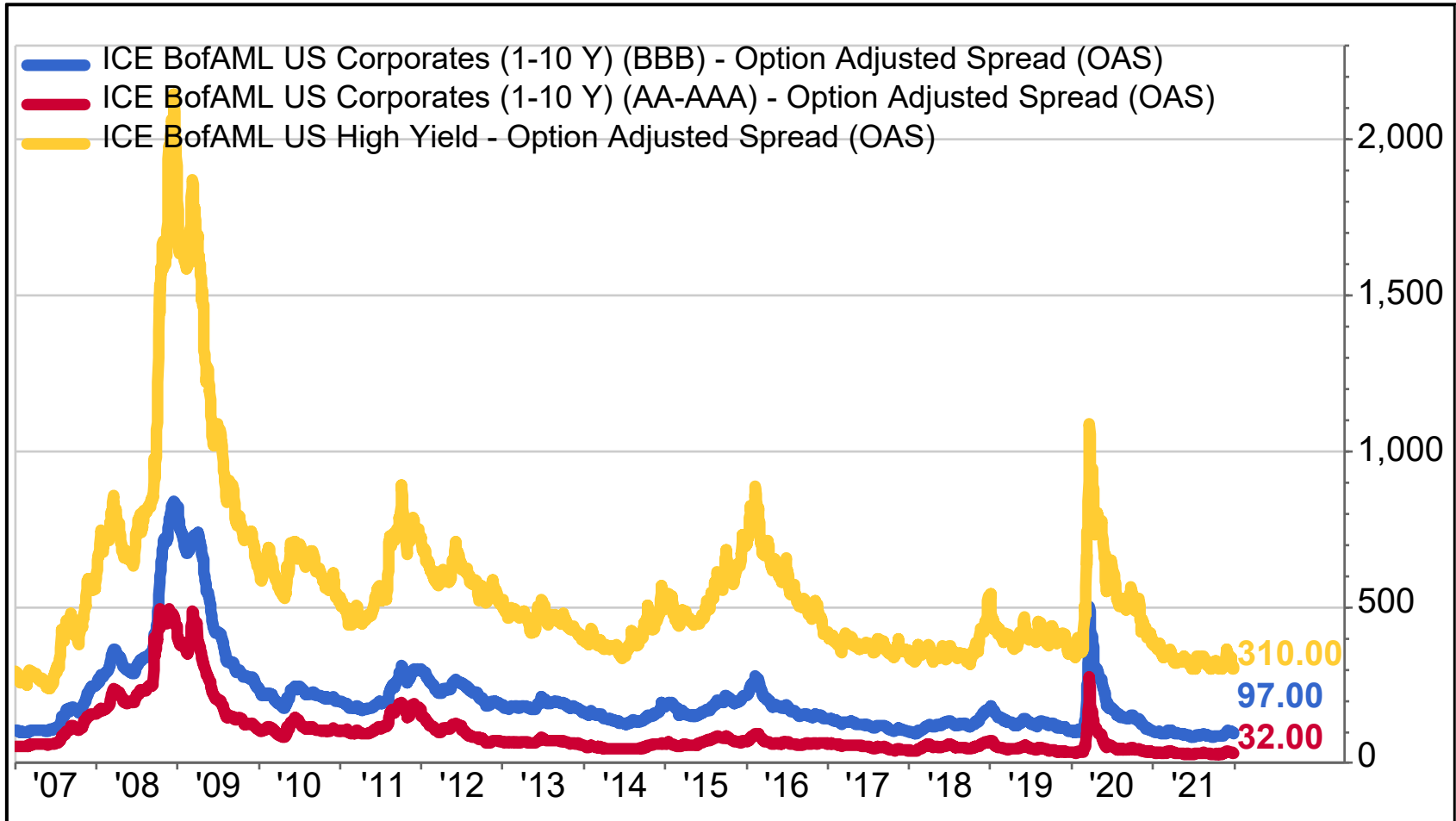
Global Equity- Major Indices



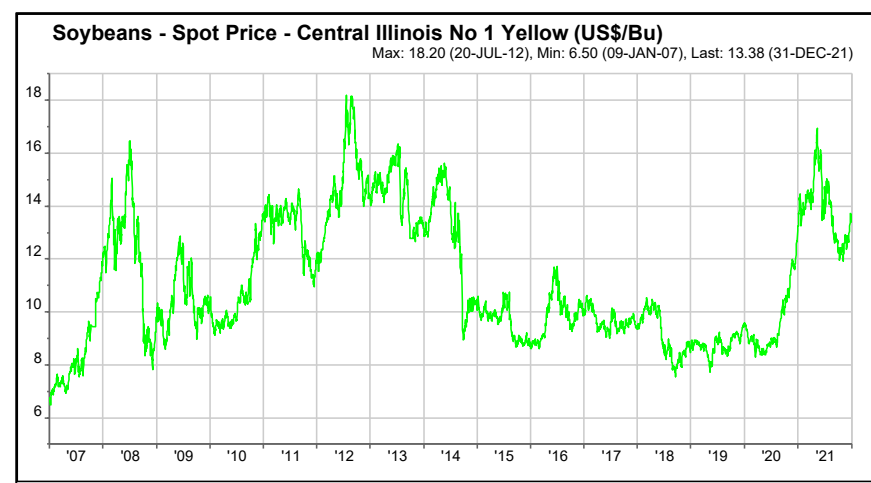
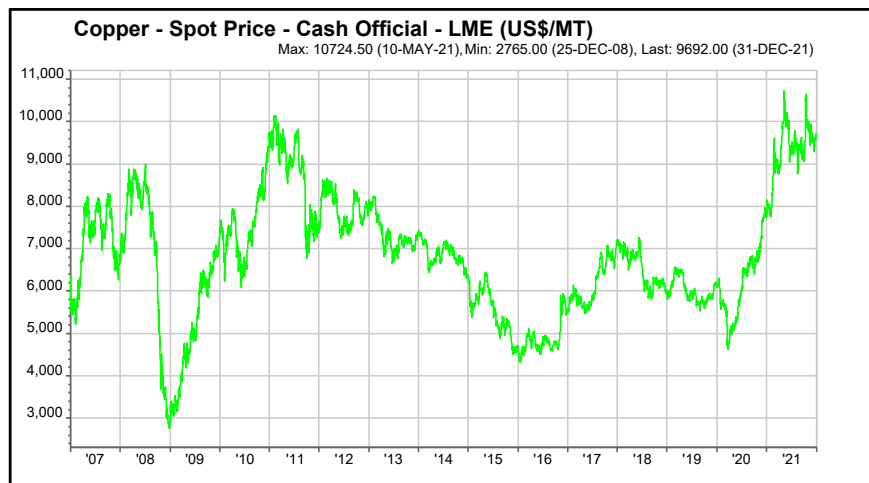
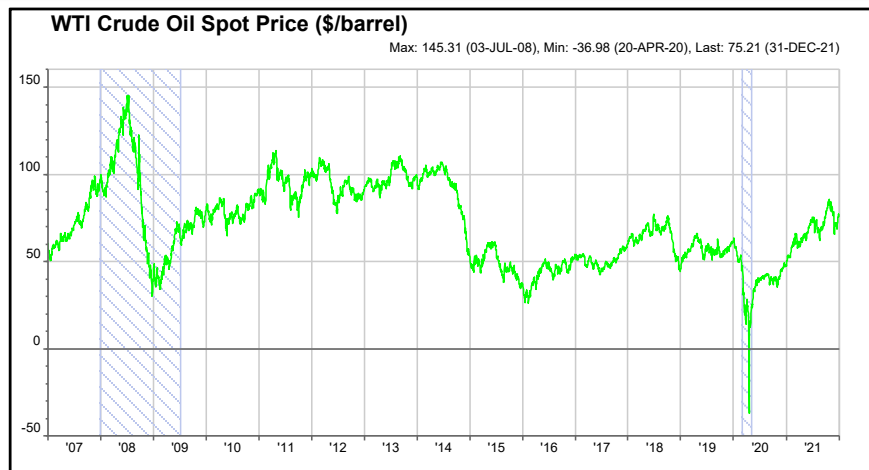


- Bond yields increased around the globe.

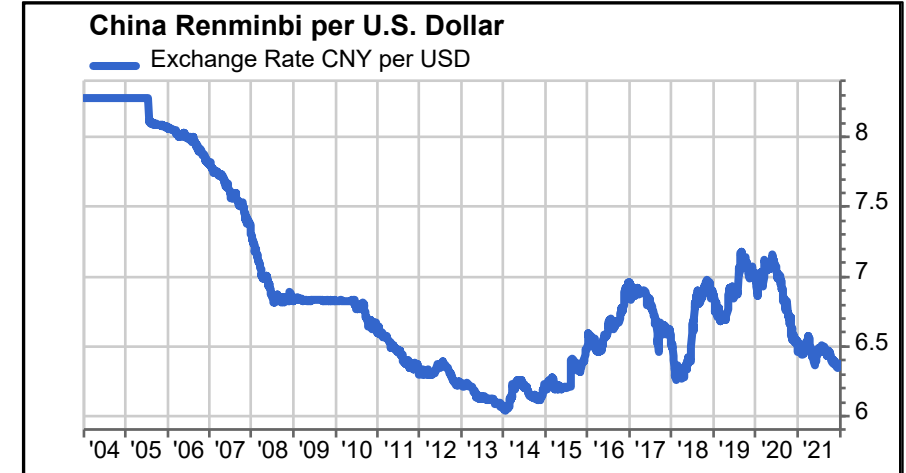
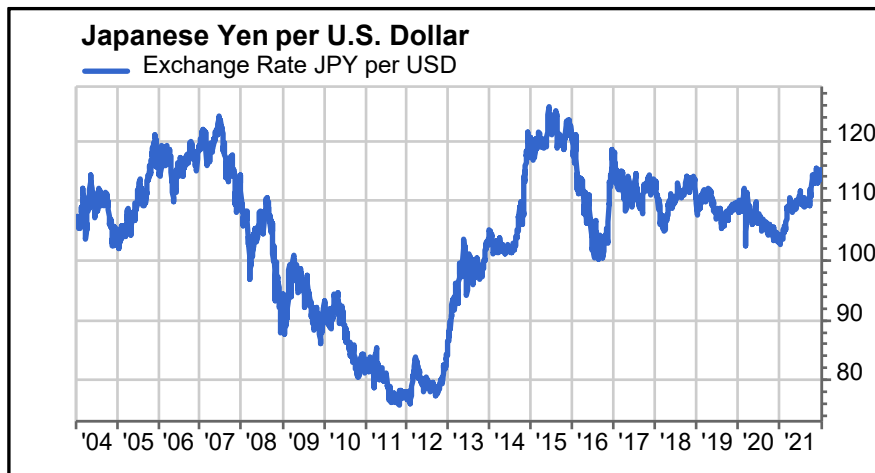
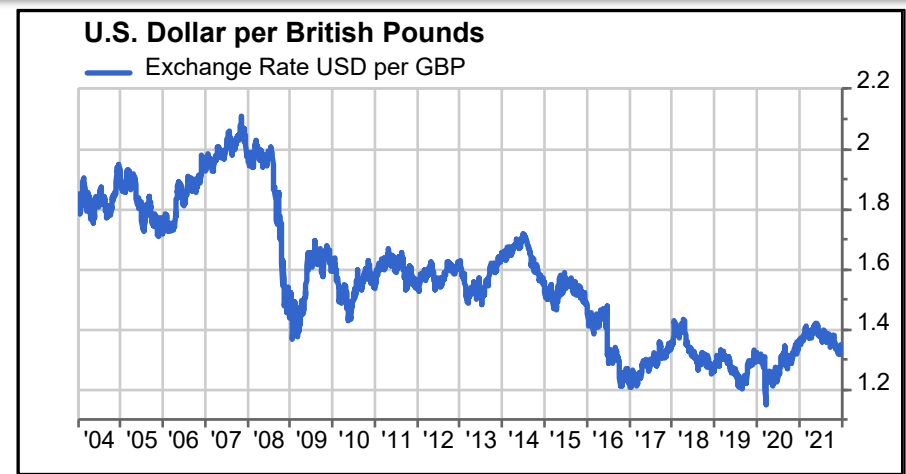
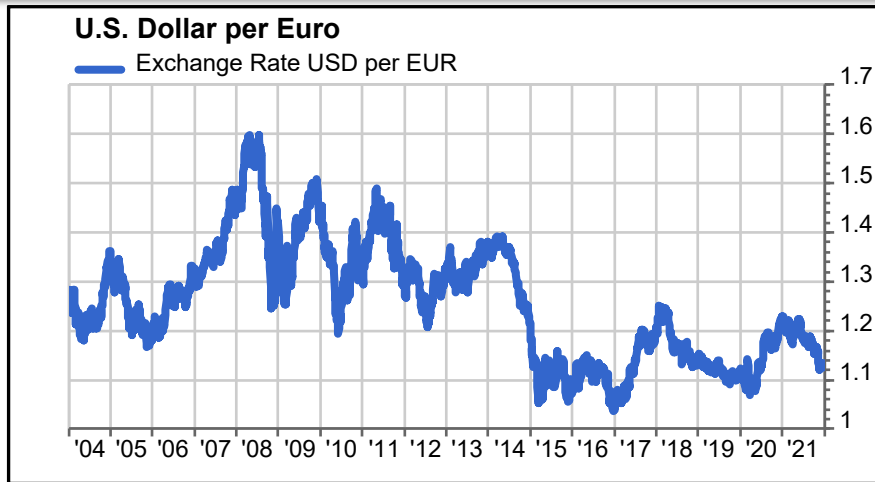




- Spreads marginally decreased in December.



- As of 12/31/2021, WTI Crude: \$75.21/Barrel; Gold: \$1805.50 Troy Oz; Copper: \$9692/MT; Soybean: \$13.38/Bu.



- As of 12/31/2021, FX rates are: 1.14 USD/EUR, 1.35 USD/GBP, 115.12 JPY/USD, 6.37 CNY/USD.

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