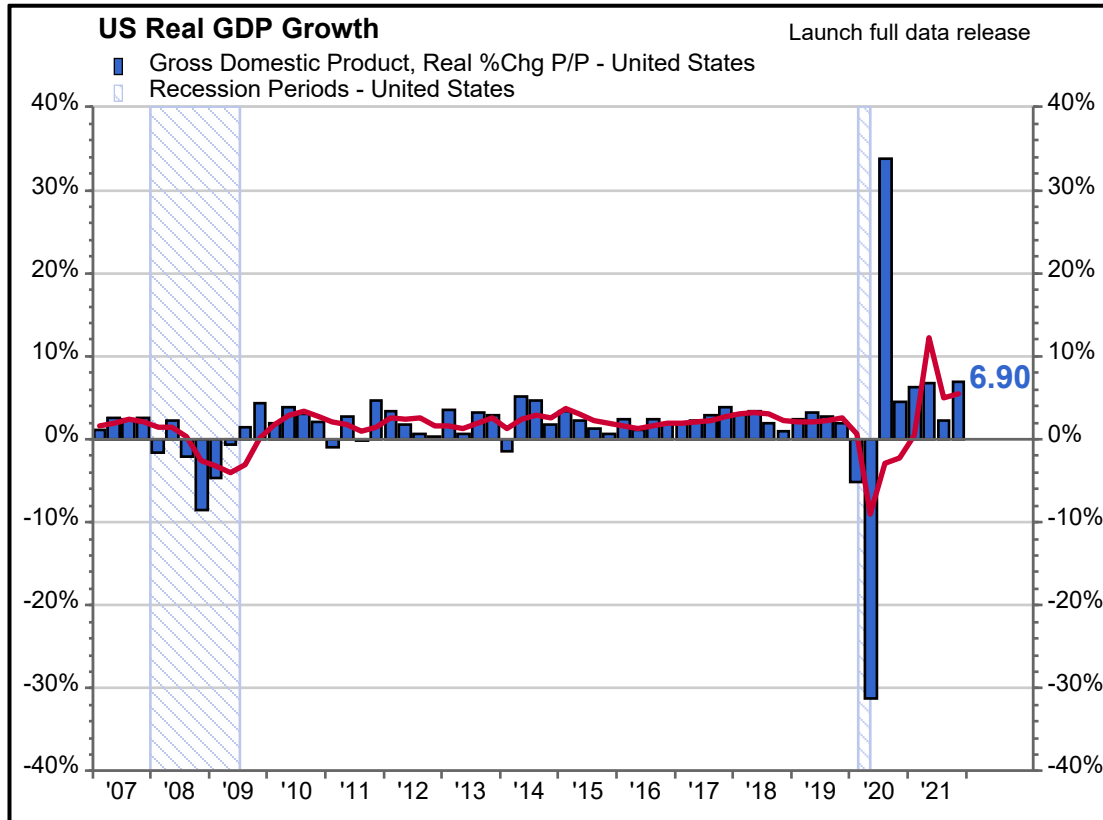


JULEX MACRO CHART BOOK

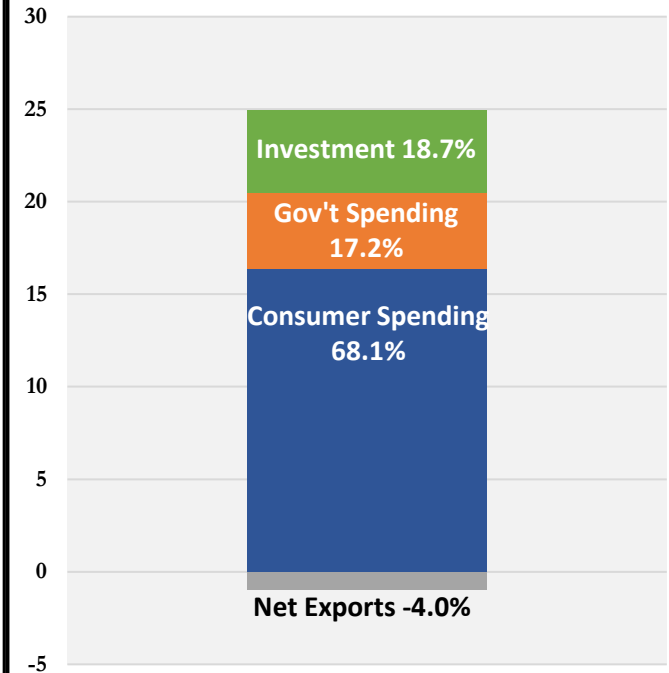
January 2021

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

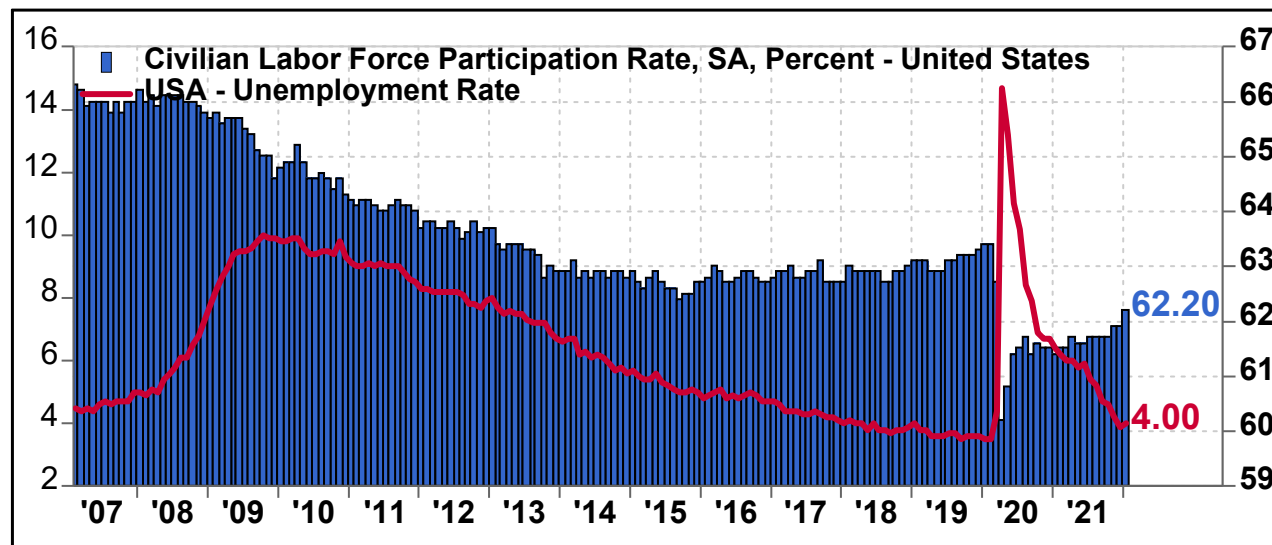
www.julexcapital.com



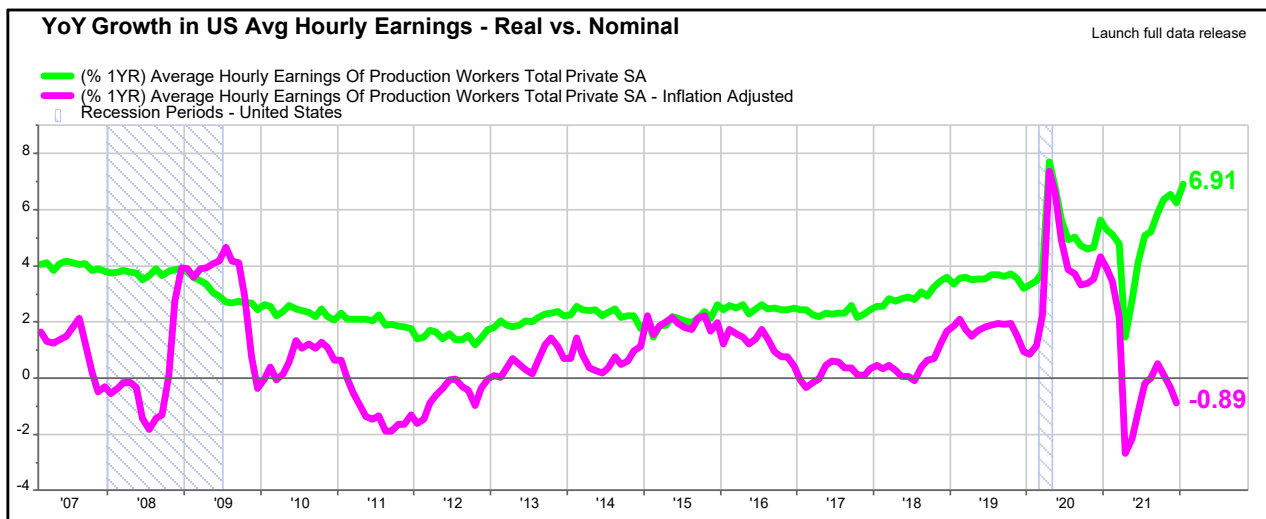
US Nominal GDP By Component, Trillions USD (December 2021)

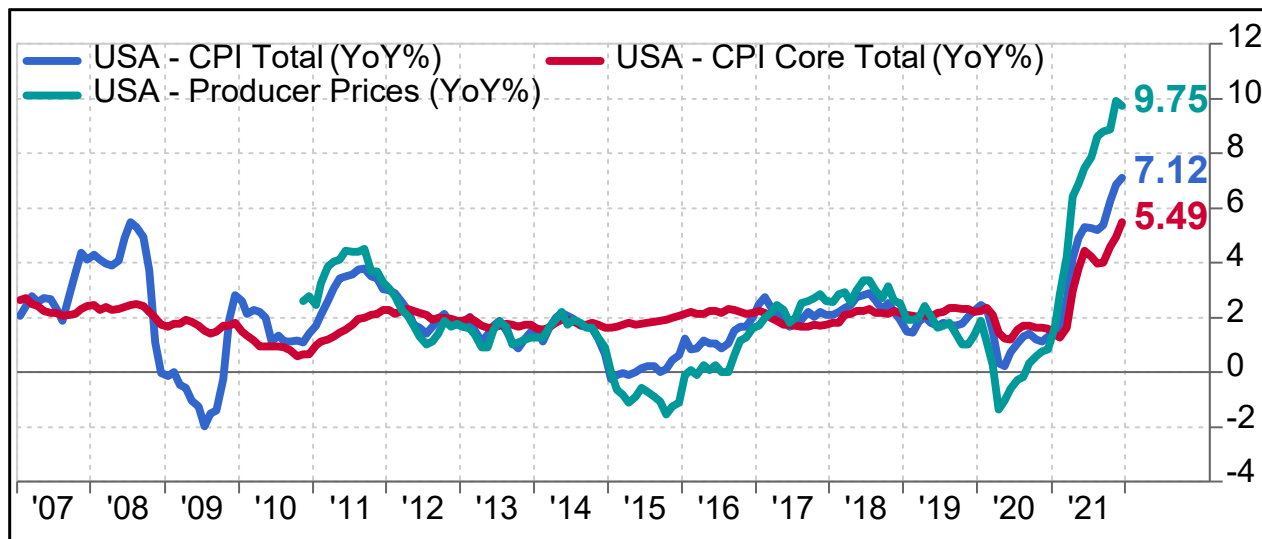


- The US economy grew at 6.9% annualized rate in Q4 2021, beating consensus estimates.
- The GDP grew 5.7% in 2021, the fastest annual pace since 1984

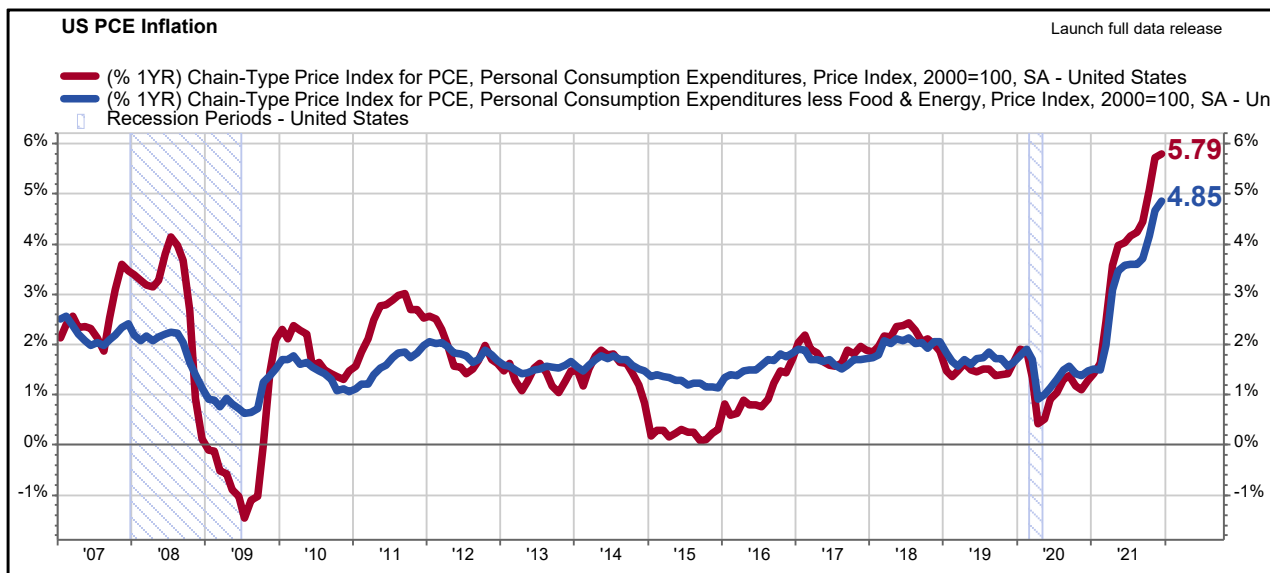


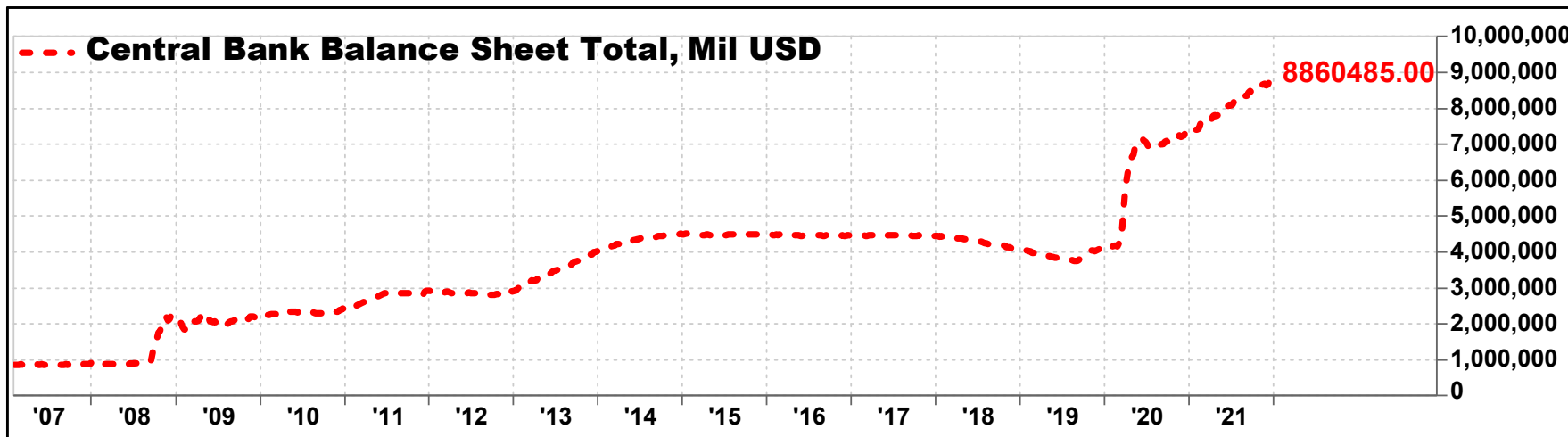
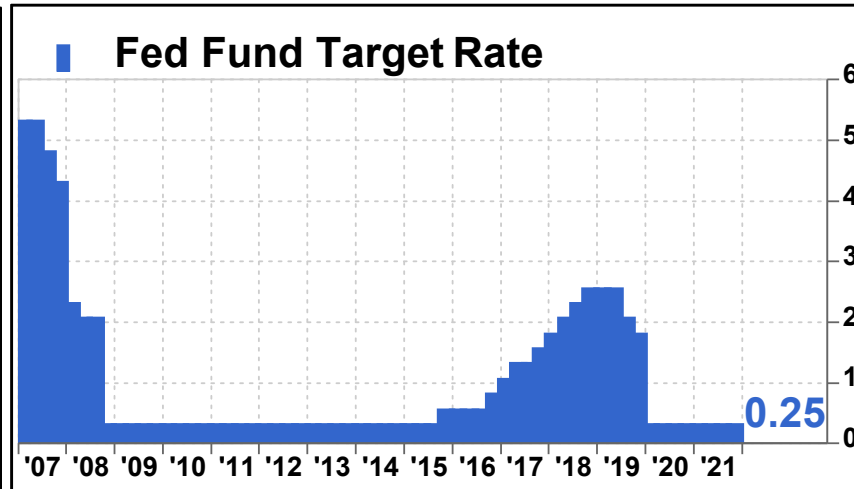
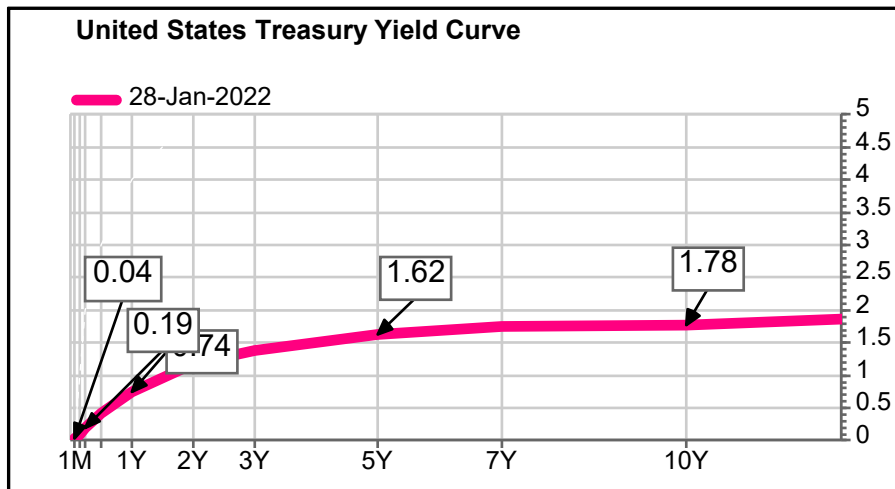
- The January jobs report saw the addition of 467,000 jobs, beating expectations. Unemployment increased slightly, but the labor force participation rate grew.
- Real wage growth remains negative.





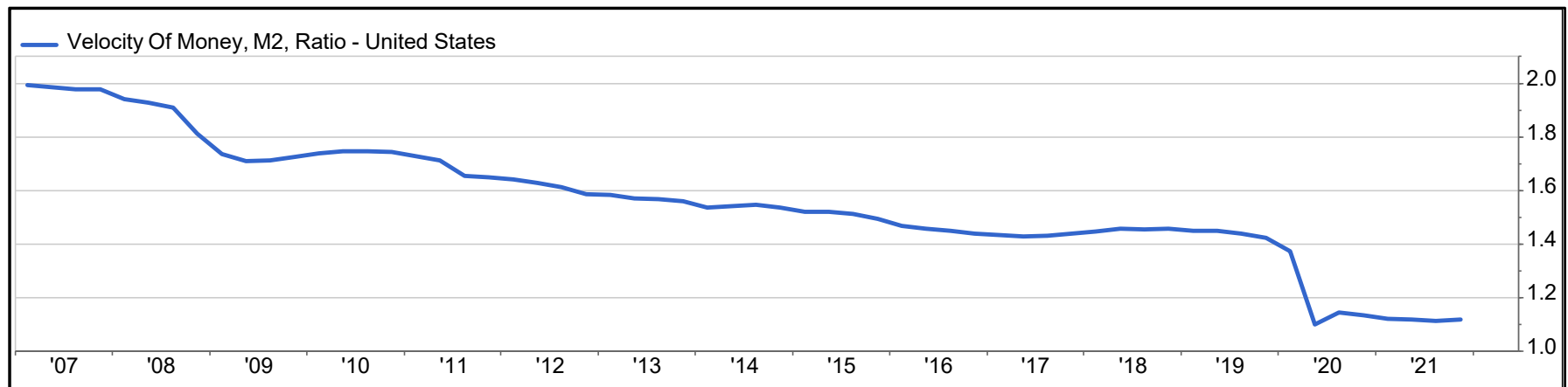
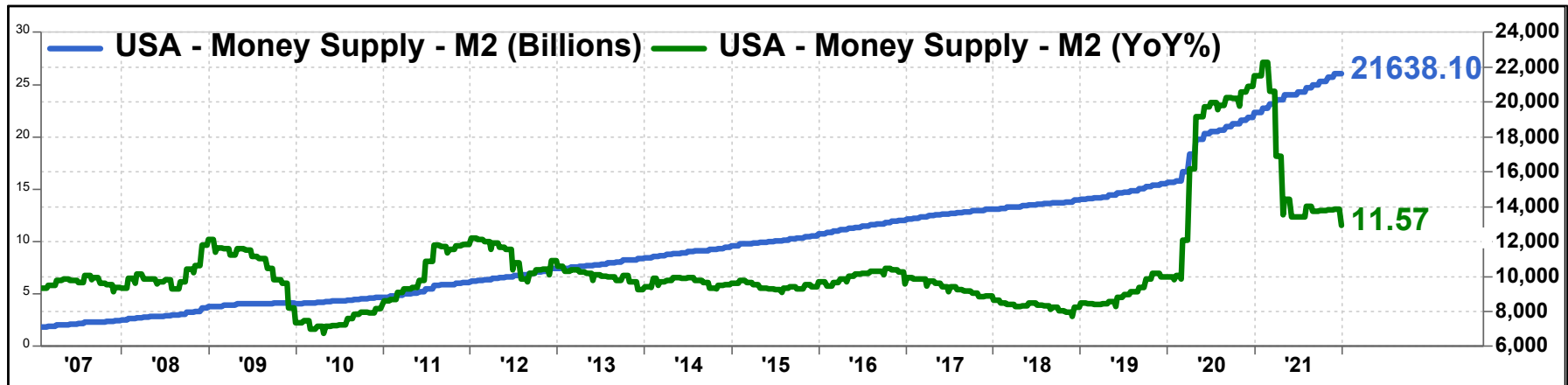
- Inflation continues to be a dominant concern as CPI inflation exceeds 7% YoY growth.
- PCE inflation is now over 5%, with core inflation not far behind.





- The yield curve steepened and the Ten-year Treasury rate jumped 20 bps in January.
- The Fed Funds futures markets are pricing in five 25-bps rate hikes by the end 2022. Reverse repo operations are at almost \$2T a day.

US Economy - Monetary Policies (Cont.)



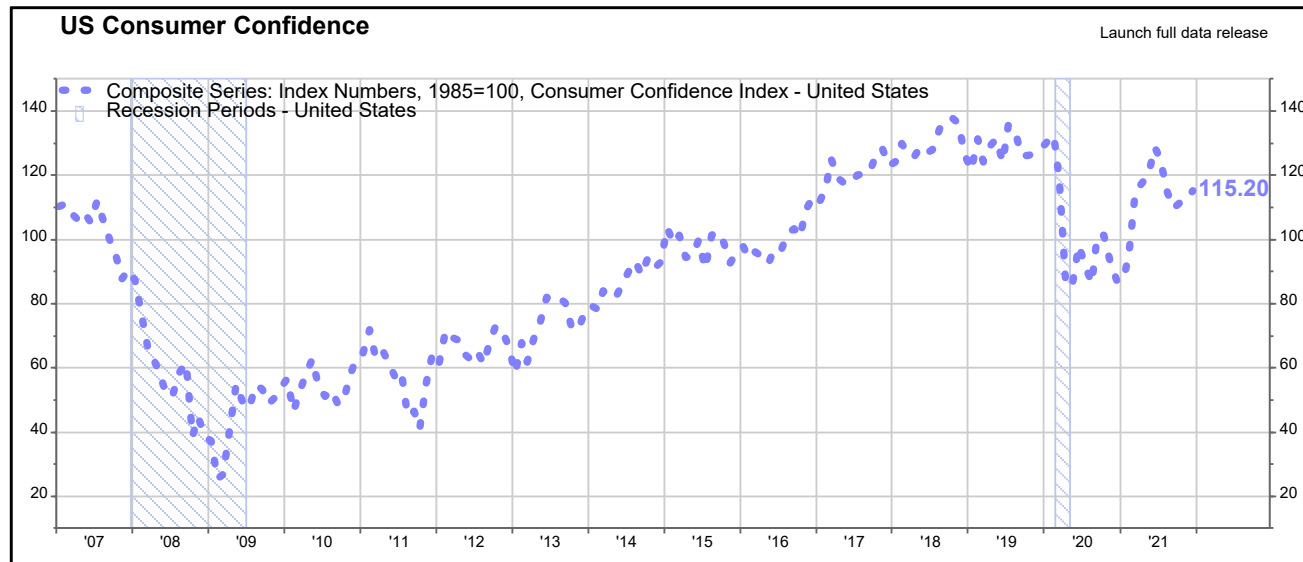
- As the money supply has increased, the velocity of money has decreased substantially, both as a natural result of high debt loads, and a byproduct of the economic shutdown. If velocity picks up, inflation concerns could be magnified.

US Economy - Fiscal Policies

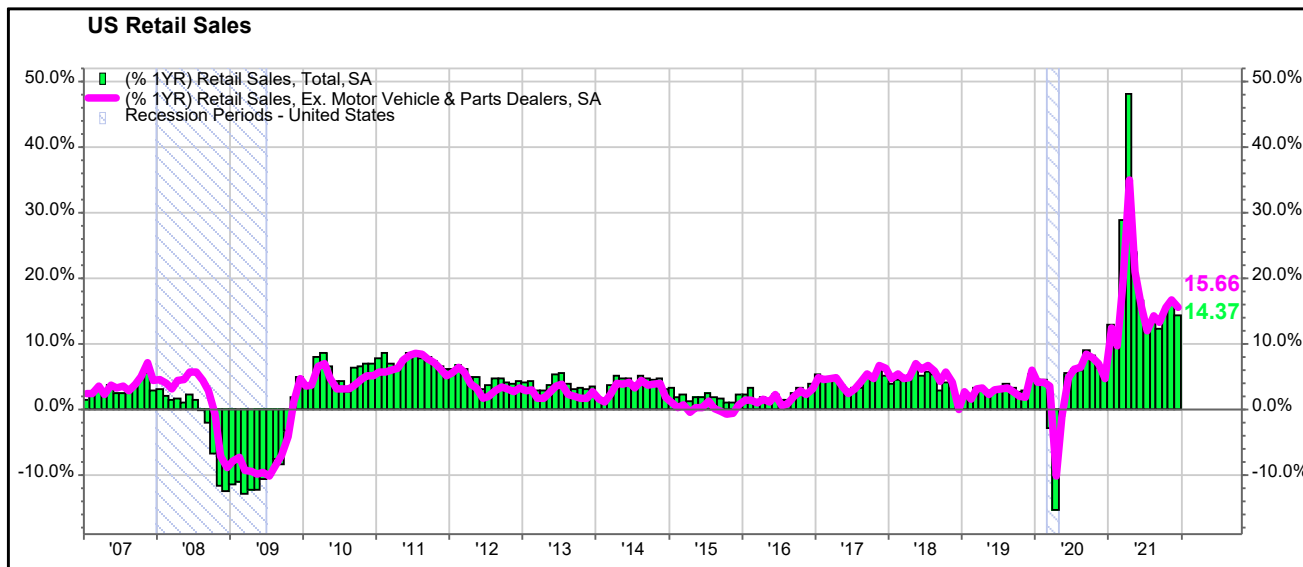
| | 2021 (Projected) | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 |
|---|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 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 |

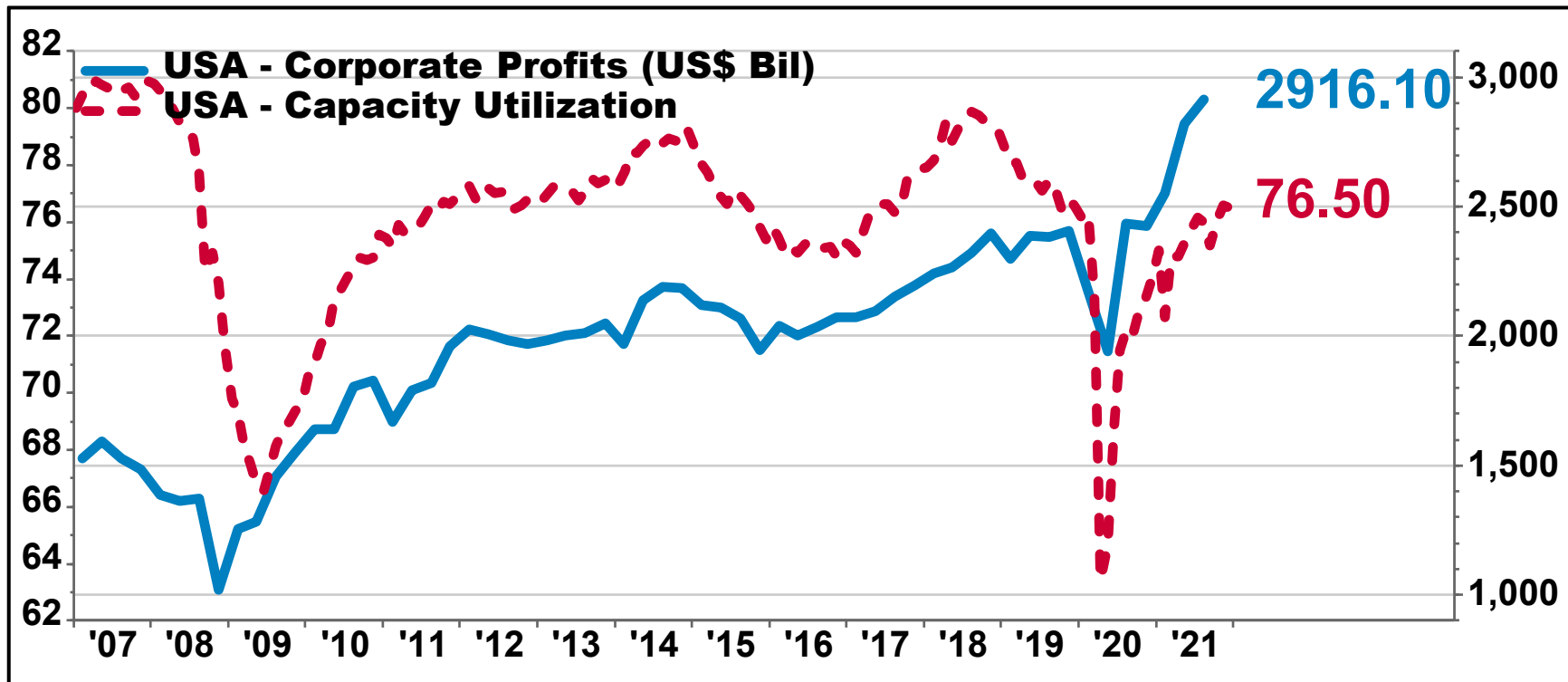
- The budget deficit in 2021 is expected to be well above 3T.
- President Biden's \$2T "Build Back Better" Bill in its current form was not passed in the Senate.

US Economy - Consumption

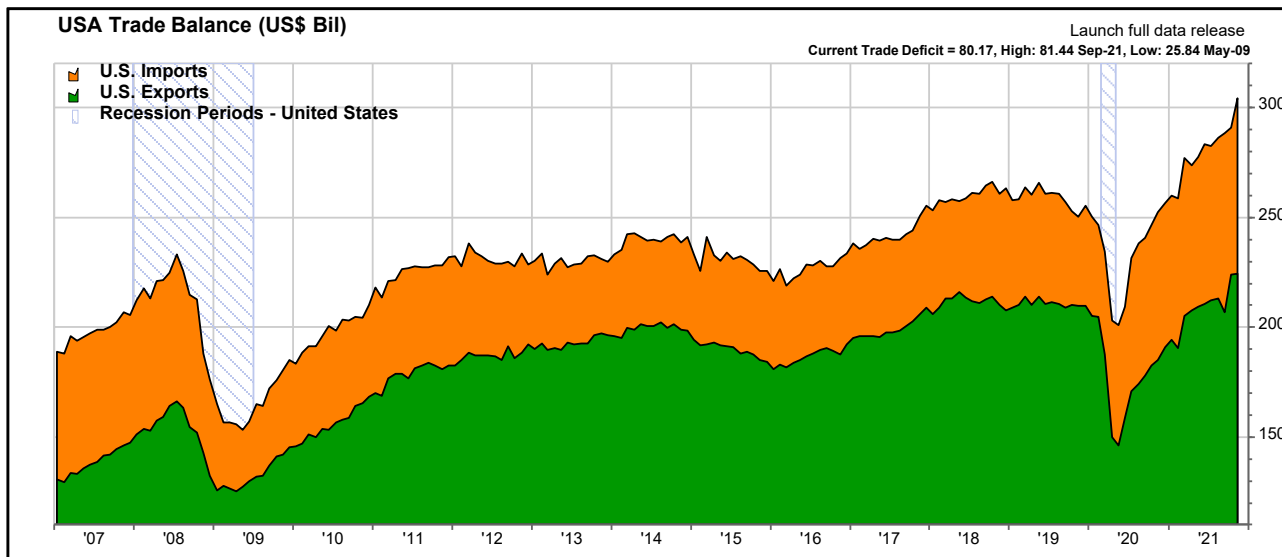


- U.S. retail sales have seen substantial YoY increases since this time last year.
- Consumer confidence improved slightly last month

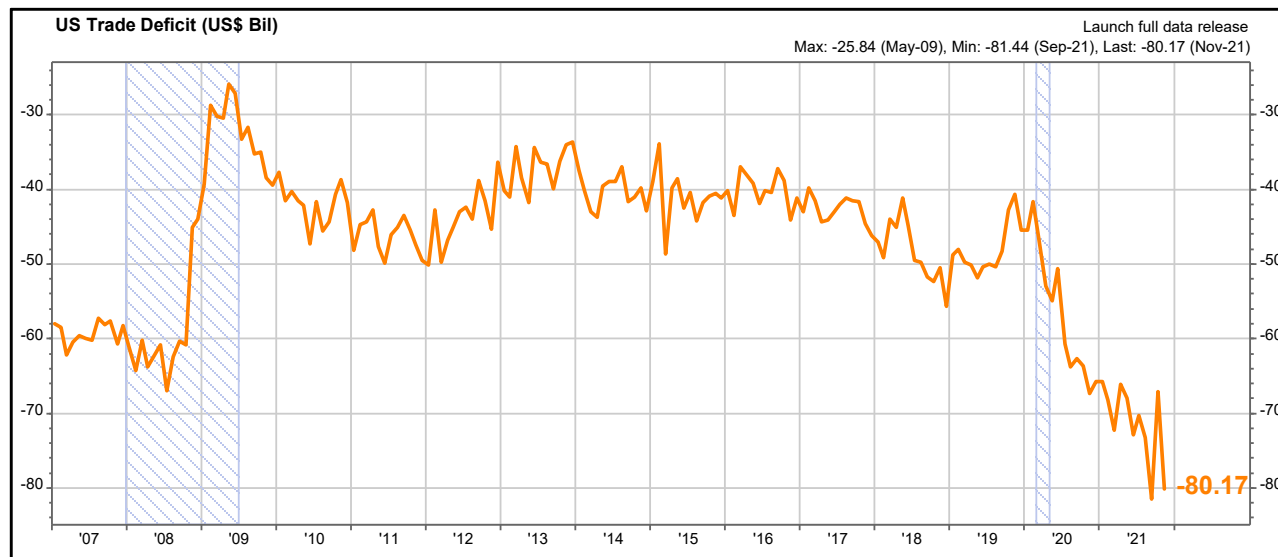




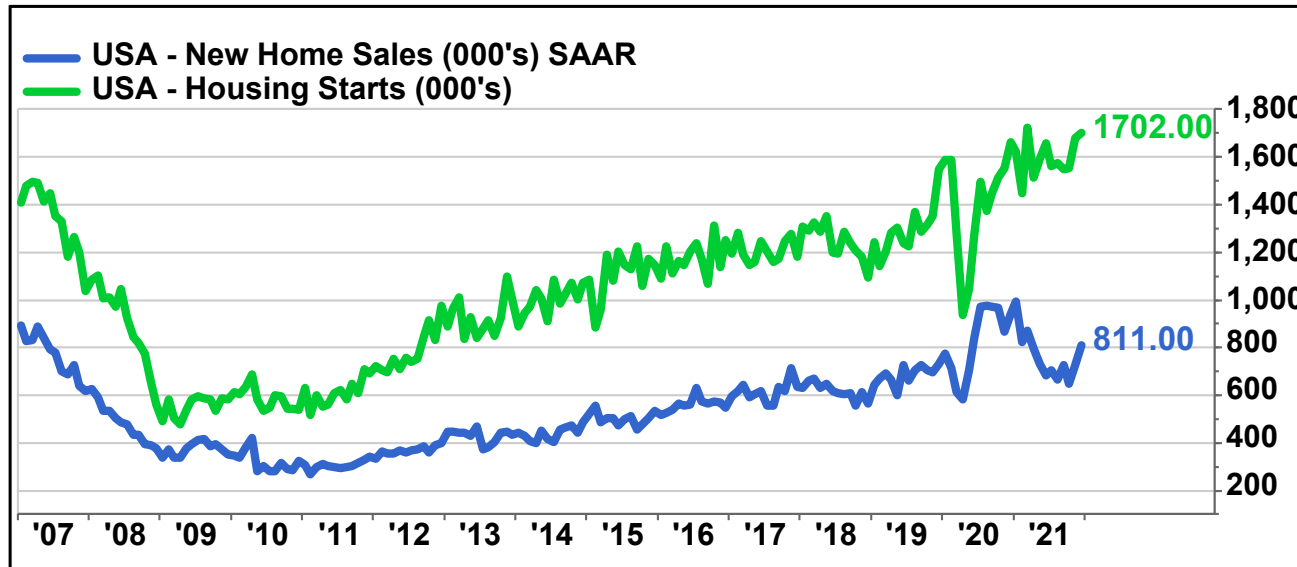
- For Q4 2021, the estimated earnings growth rate for S&P 500 companies is 21.3% according to FactSet.
- Capacity Utilization has improved to pre-pandemic levels.



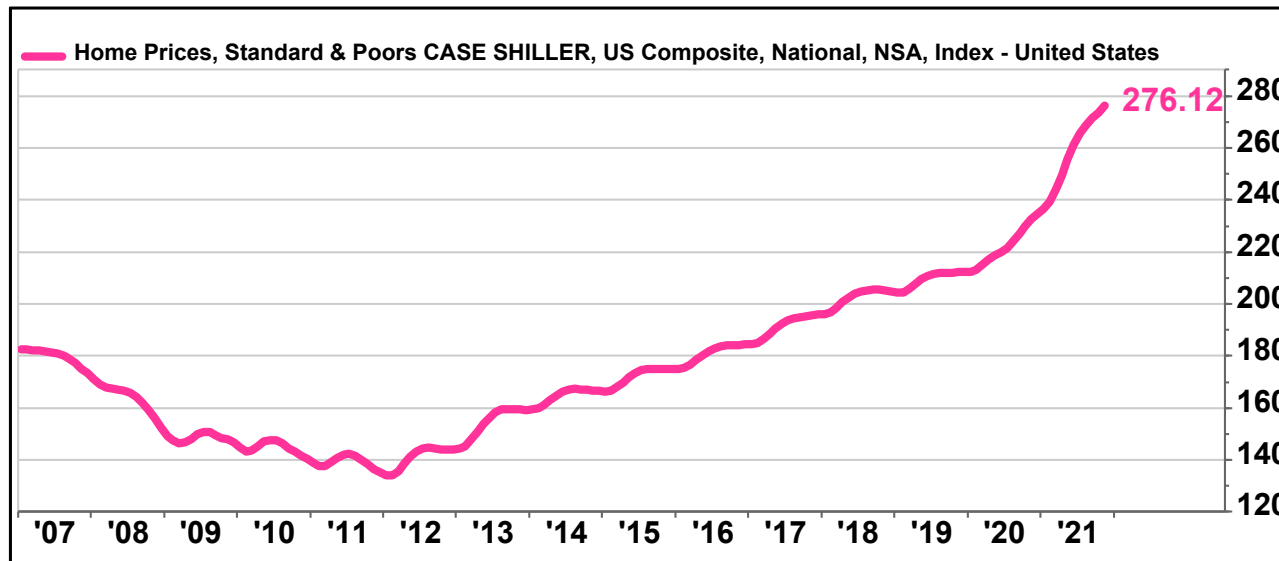
- The monthly trade deficit remains near its highest levels ever.

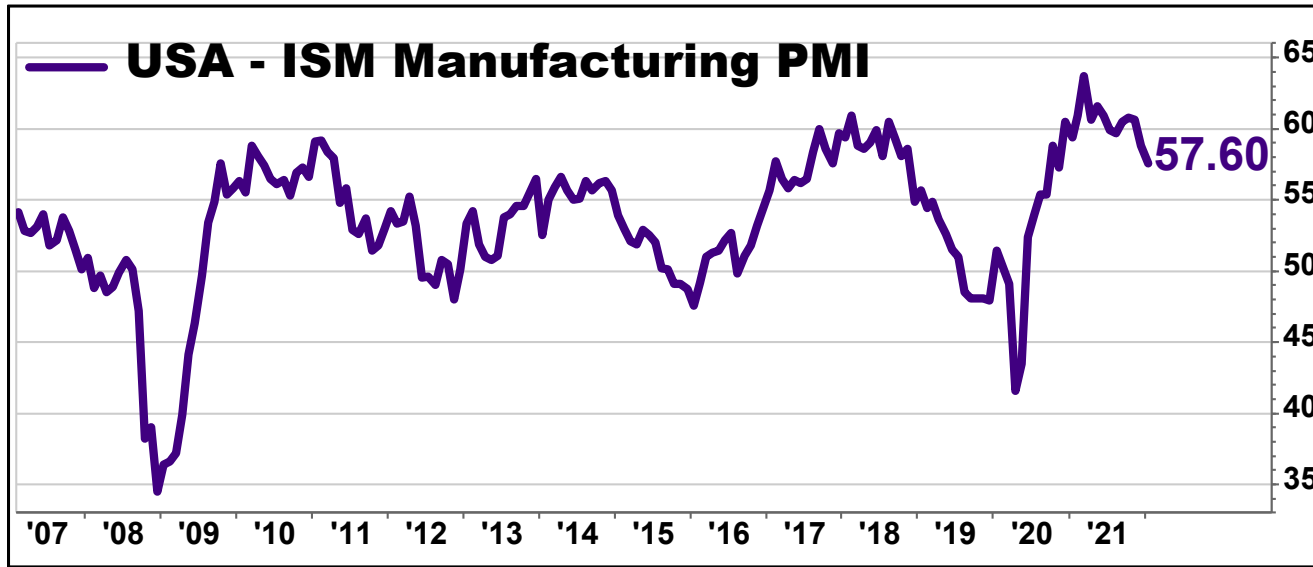


US Economy – Housing Market

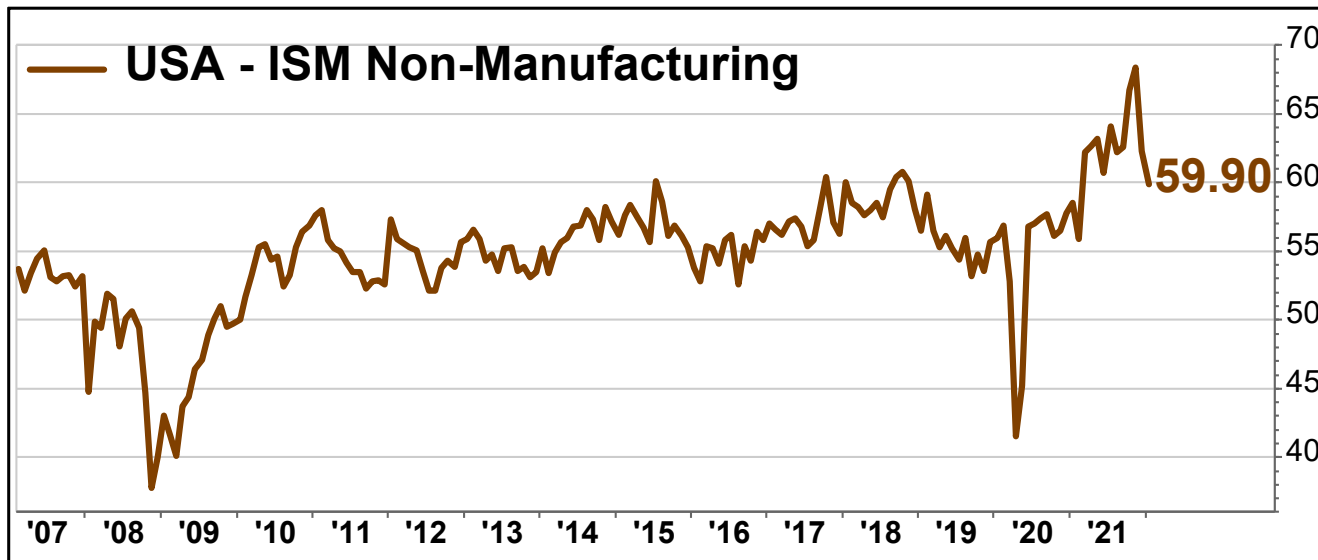


- Home prices continue to rise. The median sales price of homes in the United States is now over \$400,000, according to the St. Louis Fed.





- PMI numbers showed a decrease in enthusiasm but still remain strong.

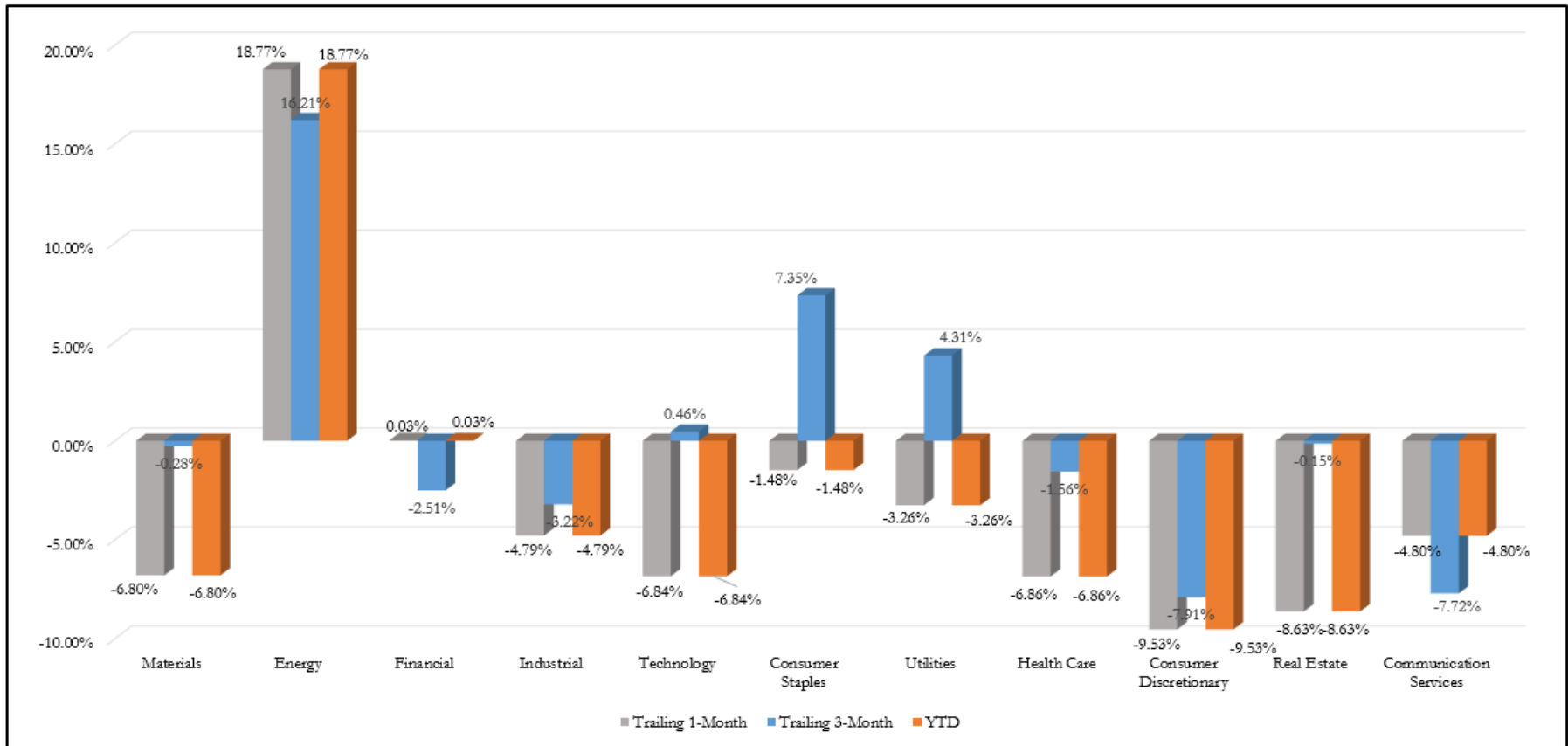


Asset Class Performance

| 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% | -5.27% | -1.69% | -5.27% |
| US Small Cap | IWM | 21.60% | 14.59% | -11.11% | 25.39% | 20.03% | -9.53% | -11.48% | -9.53% |
| Large Cap Value | IVE | 17.31% | 15.25% | -9.19% | 31.63% | 1.21% | -1.66% | 1.82% | -1.66% |
| Large Cap Growth | IVW | 6.82% | 27.22% | -0.19% | 30.77% | 33.19% | -8.40% | -4.85% | -8.40% |
| Mid Cap Value | IWS | 19.79% | 13.15% | -12.41% | 26.74% | 4.80% | -4.40% | -1.49% | -4.40% |
| Mid Cap Growth | IWP | 7.22% | 24.94% | -4.87% | 35.04% | 35.24% | -12.93% | -16.37% | -12.93% |
| Small Cap Value | IWN | 31.98% | 7.69% | -12.99% | 22.01% | 4.66% | -5.85% | -5.51% | -5.85% |
| Small Cap Growth | IWO | 11.68% | 22.25% | -9.42% | 28.48% | 34.68% | -13.42% | -17.38% | -13.42% |
| International Equity | EFA | 1.37% | 25.10% | -13.81% | 22.03% | 7.59% | -3.63% | -3.95% | -3.63% |
| Emerging Markets Equity | VWO | 12.21% | 31.48% | -14.77% | 20.76% | 15.19% | 0.42% | -0.97% | 0.42% |
| US REITs | VNQ | 8.60% | 4.91% | -6.02% | 28.87% | -4.68% | -8.42% | -1.67% | -8.42% |
| Infrastructure MLP | AMLP | 14.84% | -7.92% | -12.62% | 5.98% | -32.19% | 11.21% | 6.12% | 11.21% |
| Gold | GLD | 8.03% | 12.81% | -1.94% | 17.86% | 24.81% | -1.68% | 0.86% | -1.68% |
| Commodity | DJP | 12.86% | 0.74% | -13.07% | 7.63% | -4.12% | 10.17% | 4.60% | 10.17% |
| High Yield Bond | JNK | 14.43% | 6.48% | -3.27% | 14.88% | 4.95% | -2.76% | -1.77% | -2.76% |
| Broad Bond | AGG | 2.41% | 3.55% | 0.10% | 8.46% | 7.48% | -2.00% | -2.09% | -2.00% |
| TIPs | TIP | 4.68% | 2.92% | -1.42% | 8.35% | 10.84% | -2.06% | -0.81% | -2.06% |
| Treasuries | IEF | 1.01% | 2.55% | 0.99% | 8.03% | 10.01% | -2.11% | -1.56% | -2.11% |
| Long Term Treasuries | TLT | 1.18% | 9.18% | -1.61% | 14.12% | 18.15% | -3.91% | -3.24% | -3.91% |
| Short Term Treasuries | SHV | 0.41% | 0.67% | 1.72% | 2.36% | 0.81% | -0.08% | -0.10% | -0.08% |

Note: As of January 31st, 2022.

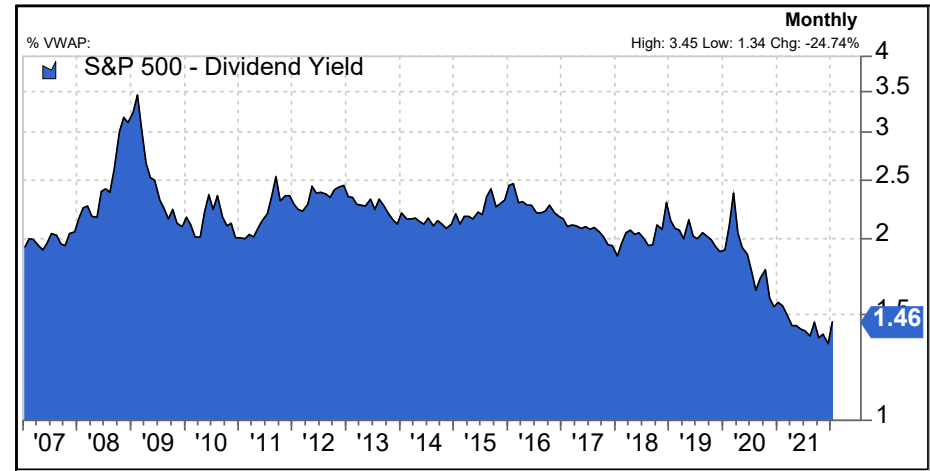
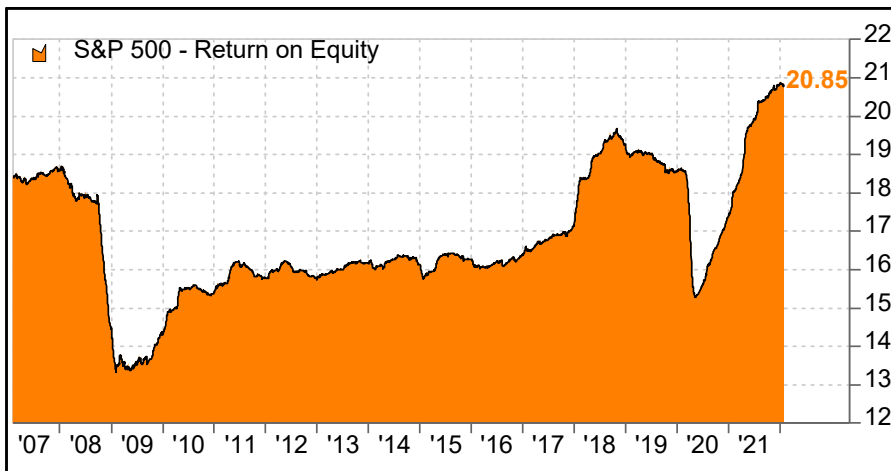
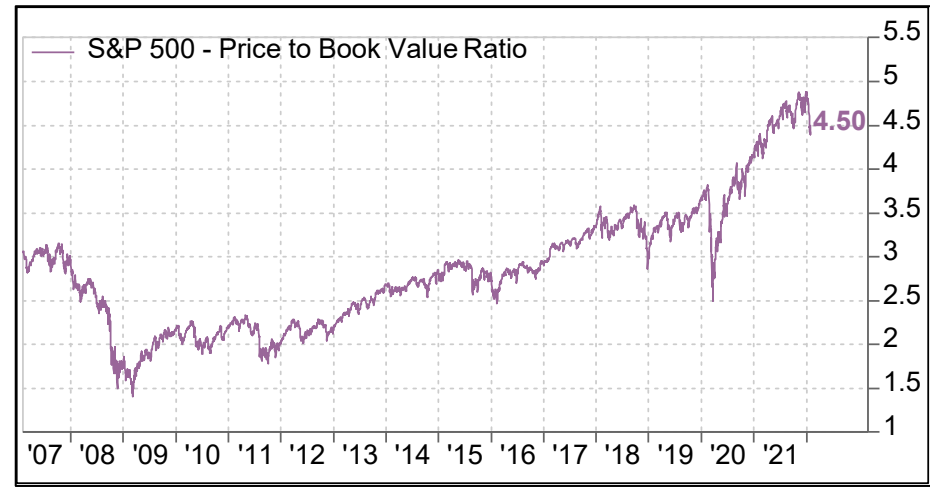
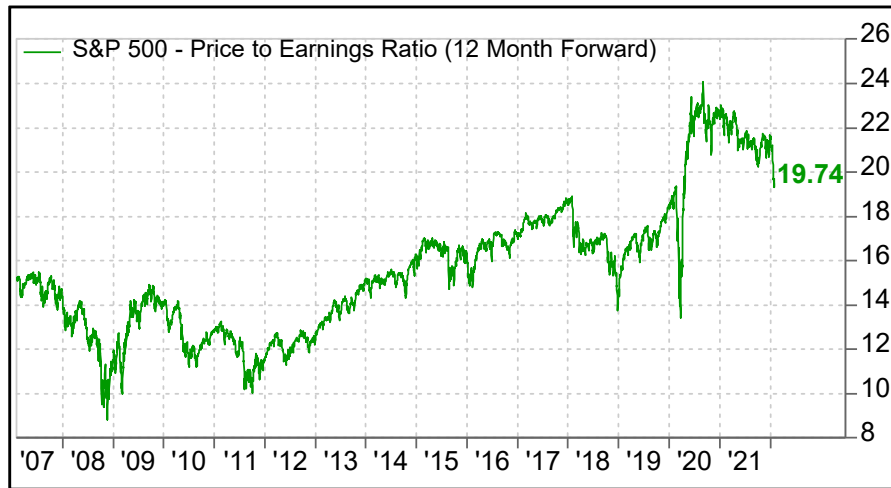
- Equities prices fell in January, with Small Caps and Growth stocks leading the plunge.



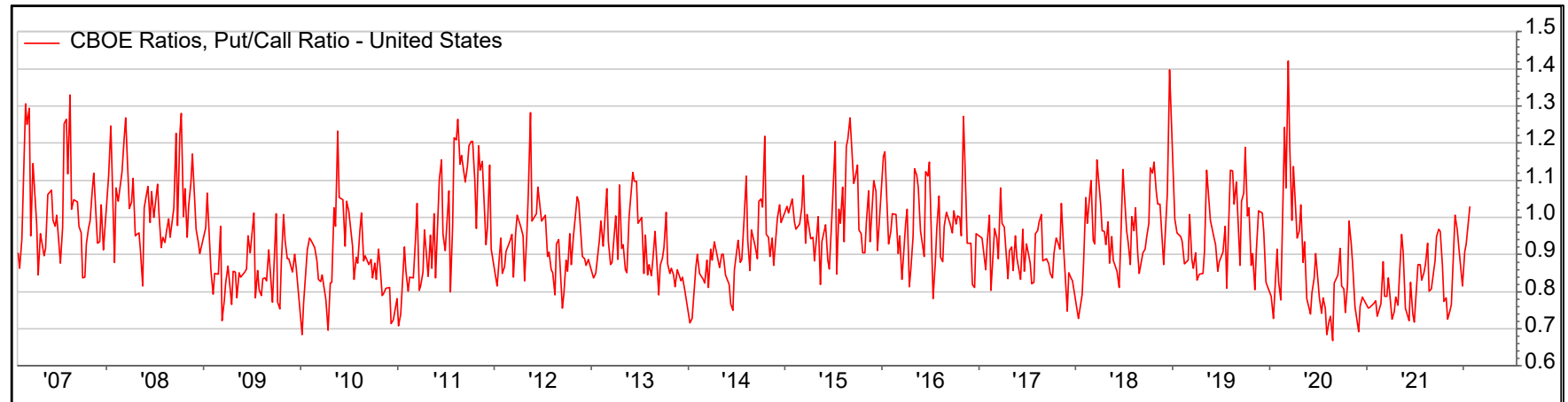
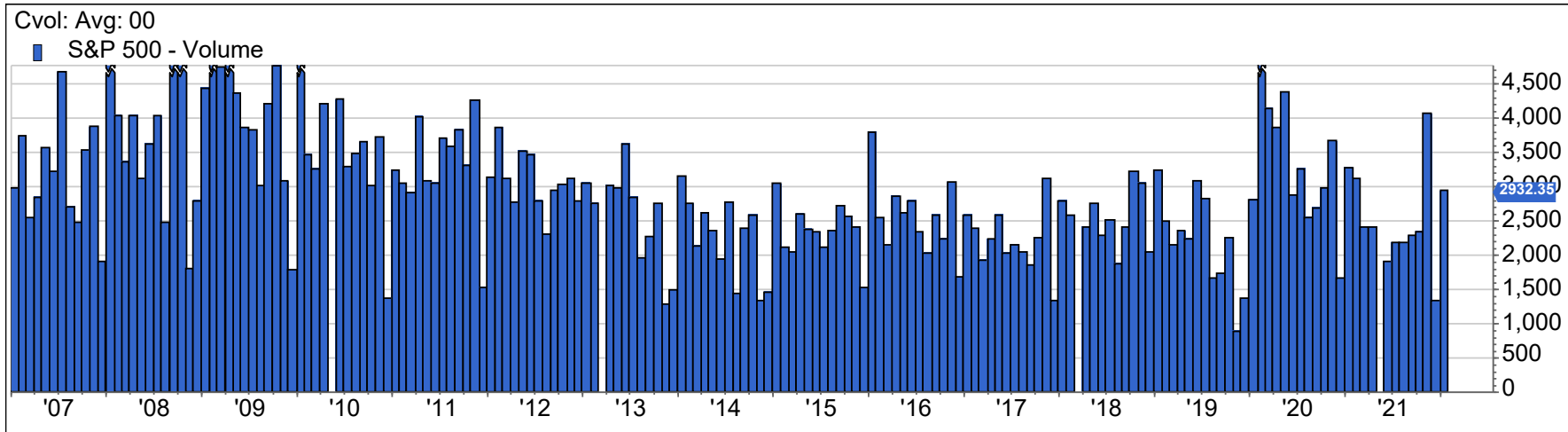
Note: As of January 31st, 2022.

- Most sectors were negative to start the year with the exception of energy.

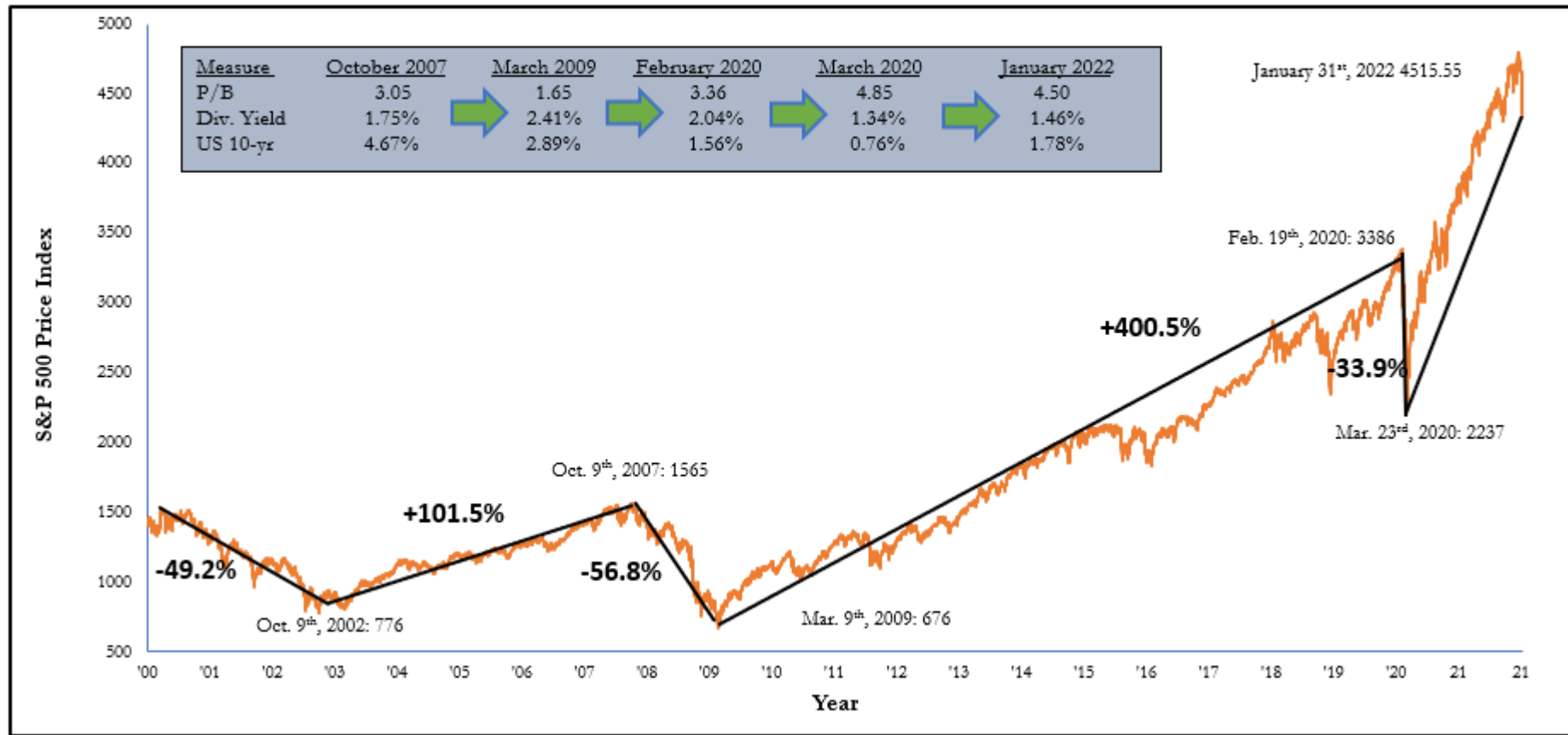
US Equity Market Fundamentals



- Valuations decreased in January as equity prices fell.



- S&P 500 volume was less than a third of its peak volume during the pandemic.
- The Put/Call Ratio is at it's highest level in two years as investors are becoming less optimistic.



Note: As of January 31st, 2022.

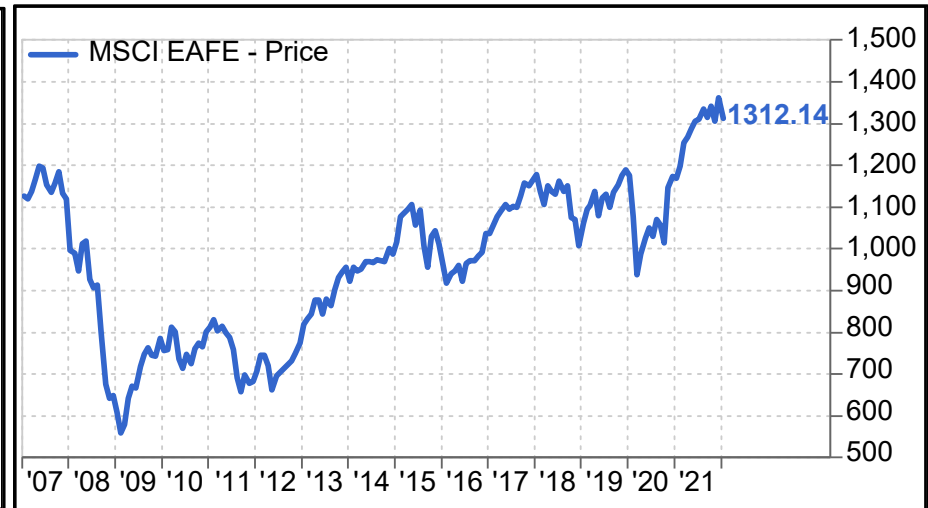
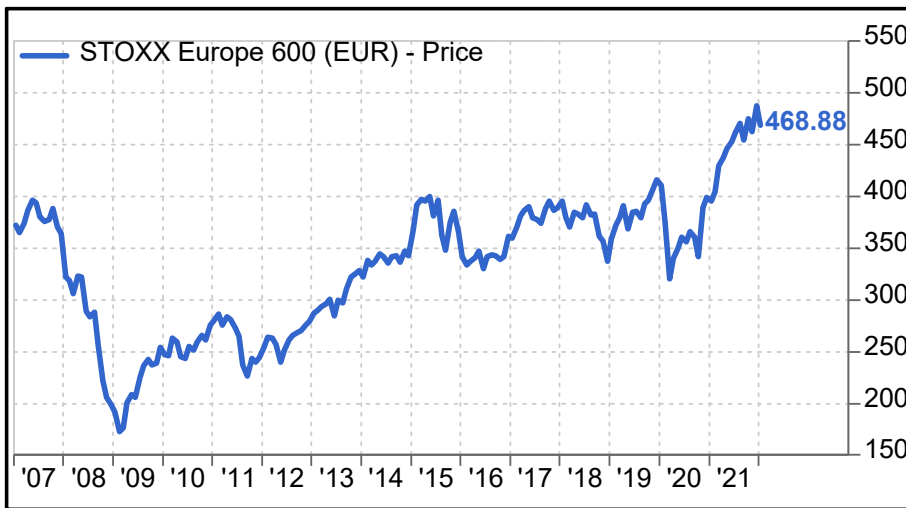
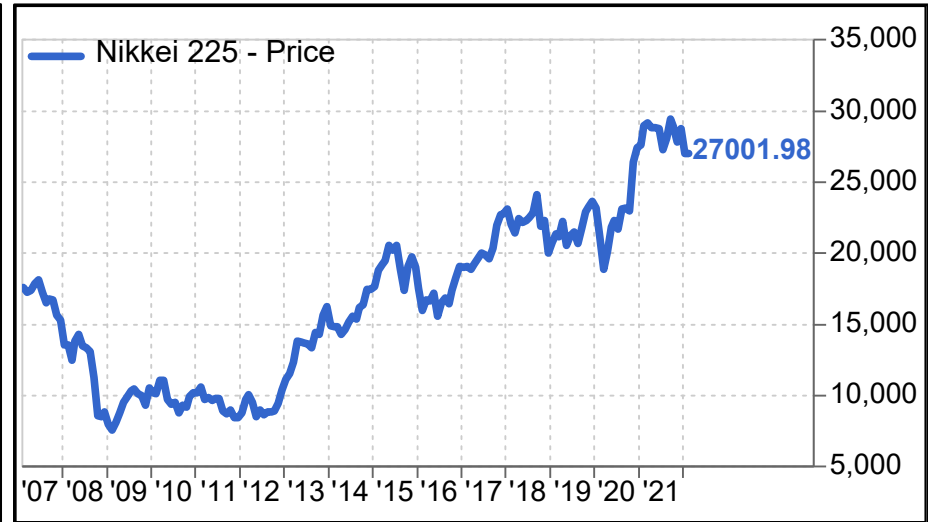
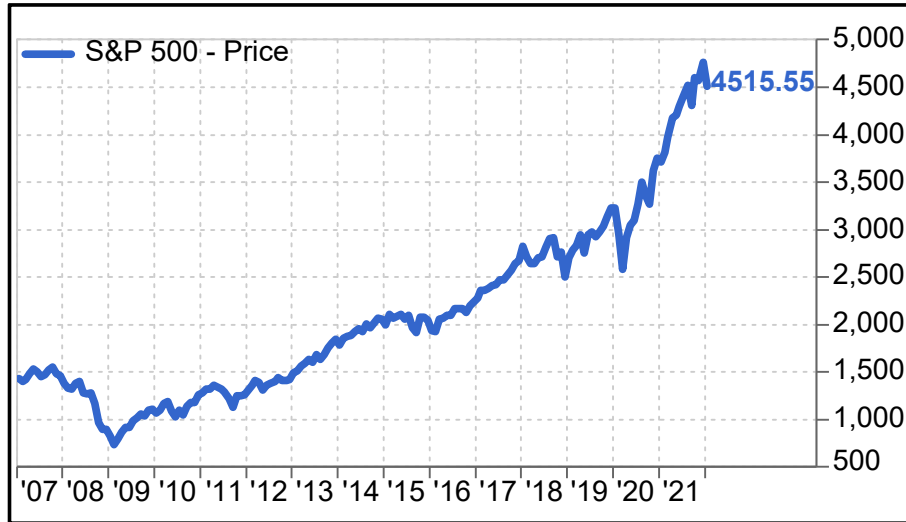
Data Source: FactSet, Yahoo Finance, and www.treasury.gov

Global Equity Performance - Country Comparison

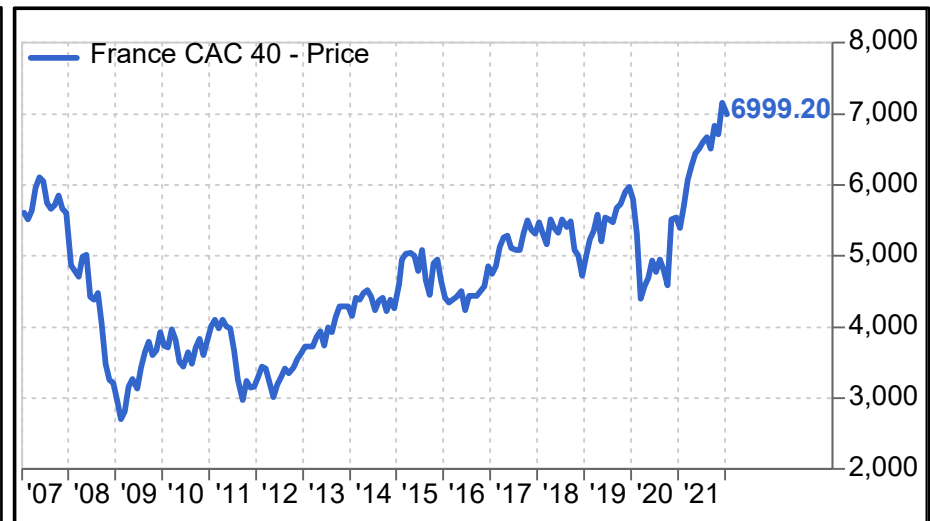
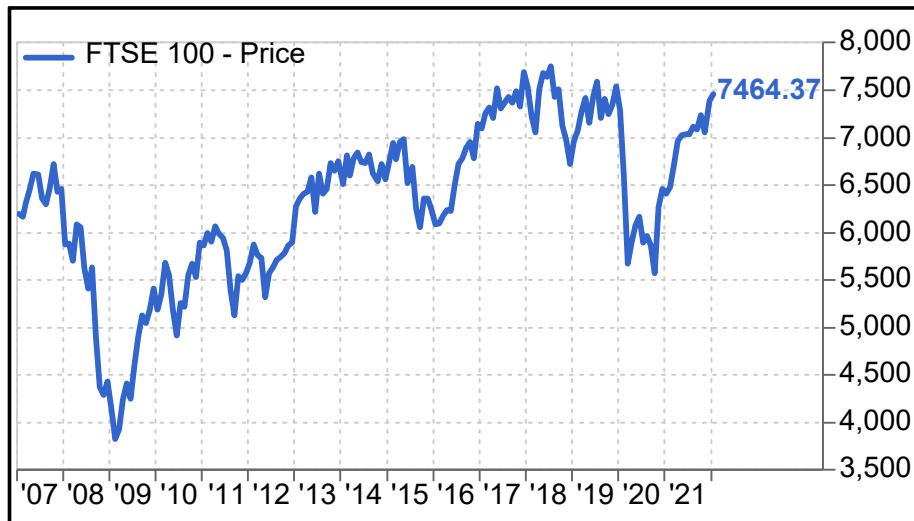
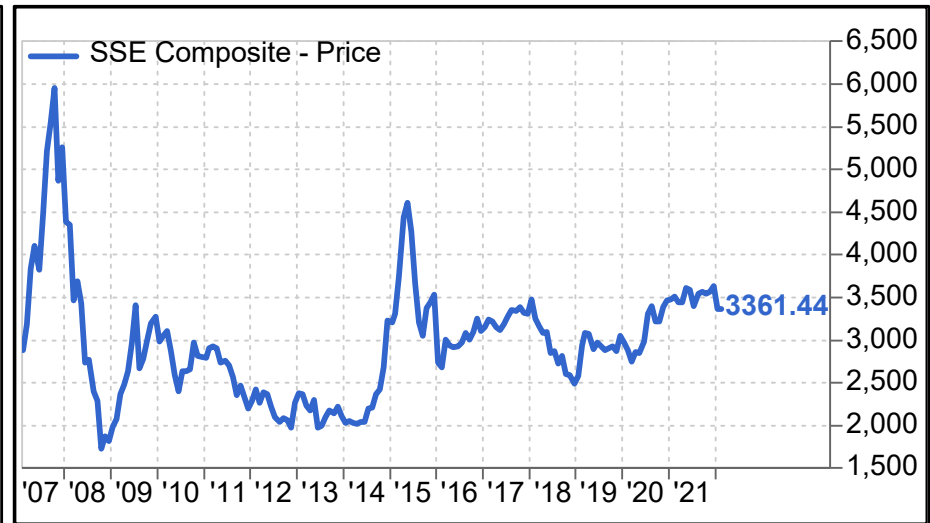
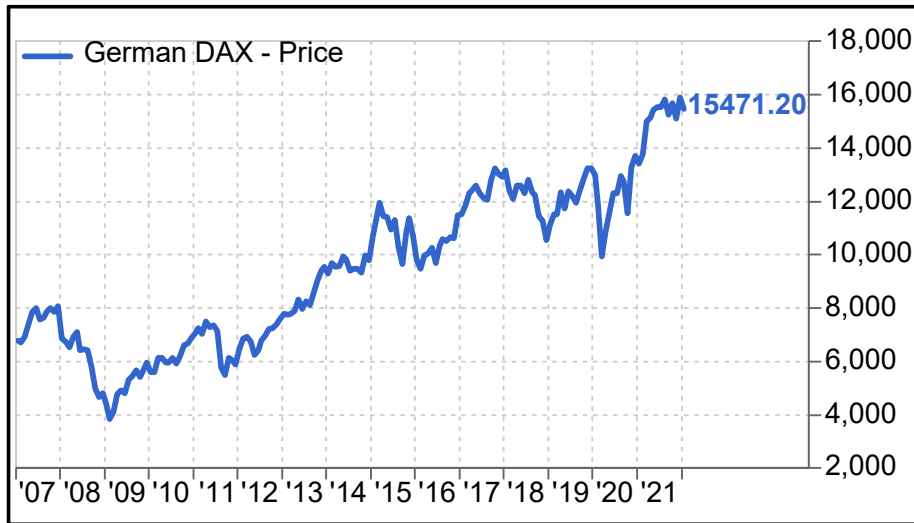
| 2016 | 2017 | 2018 | 2019 | 2020 | YTD | Trailing 3-month | Trailing 1-month |
|-------------------------|--------------------------|---------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| Brazil 64.47% | China 54.68% | Brazil -2.56% | United States 31.22% | China 27.78% | Brazil 12.65% | Brazil 16.04% | Brazil 12.65% |
| Canada 23.82% | India 36.15% | India -4.29% | Brazil 27.65% | United States 18.31% | England 2.26% | England 3.39% | England 2.26% |
| United States 12% | France 29.13% | United States -4.56% | Canada 27.56% | Japan 15.41% | India 1.12% | India -0.74% | India 1.12% |
| France 4.90% | Italy 28.73% | France -12.88% | Italy 26.97% | Germany 10.16% | Spain 0.42% | France -0.95% | Spain 0.42% |
| Germany 3.10% | Germany 27.45% | Japan -14.09% | France 26.67% | India 10.01% | China -0.27% | Canada -1.27% | China -0.27% |
| Japan 2.78% | Spain 26.99% | England -14.28% | China 23.7% | Canada 5.52% | Canada -0.62% | United States -1.81% | Canada -0.62% |
| India 1.03% | Japan 24.27% | Spain -15.32% | England 21.25% | France 2.85% | Italy -1.16% | Italy -1.76% | Italy -1.16% |
| China -0.32% | Brazil 23.36% | Canada -17.16% | Japan 19.33% | Italy 1.67% | Germany -2.35% | Germany -4.39% | Germany -2.35% |
| England -1.23% | United States 21.70% | Italy -17.19% | Germany 19.15% | Spain -3.96% | France -2.55% | Spain -5.05% | France -2.55% |
| Spain -1.81% | England 21.59% | China -19.77% | Spain 11.91% | England -11.8% | Japan -4.3% | Japan -5.07% | Japan -4.3% |
| Italy -8.55% | Canada 15.74% | Germany -21.37% | India 9.99% | Brazil -20.33% | United States -5.27% | China -8.92% | United States -5.27% |
| Emerging Markets 10.29% | Emerging Markets 37.40% | Developed Markets -13.81% | Developed Markets 22.03% | Emerging Markets 17.88% | Emerging Markets -0.47% | Emerging Markets -2.37% | Emerging Markets -0.47% |
| Developed Markets 1.37% | Developed Markets 25.10% | Emerging Markets -14.93% | Emerging Markets 17.79% | Developed Markets 7.59% | Developed Markets -3.63% | Developed Markets -3.95% | Developed Markets -3.63% |

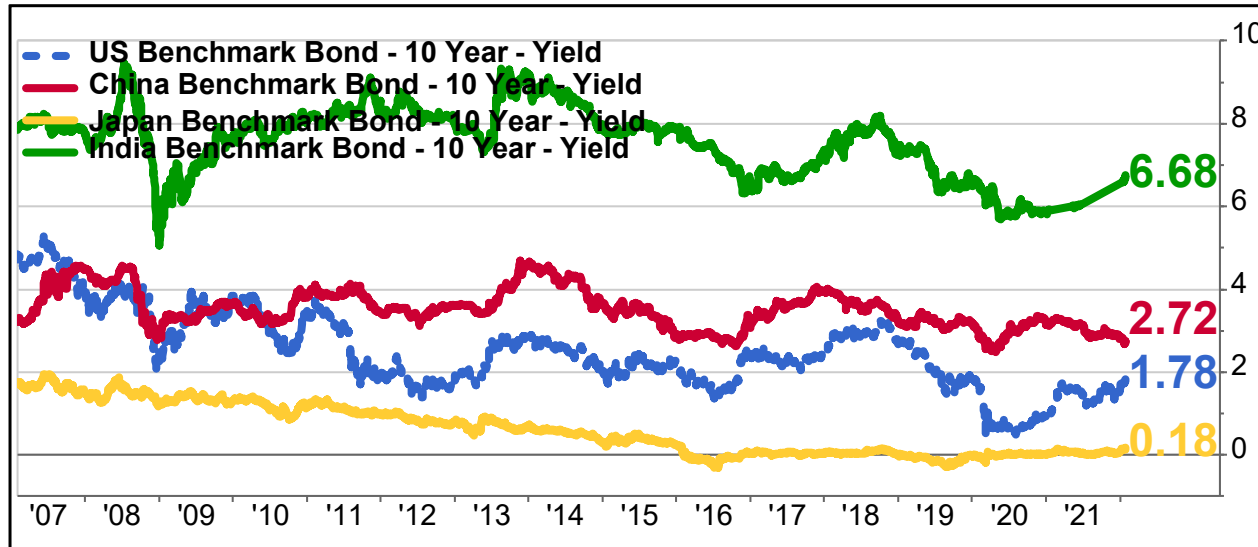
Note: As of January 31st, 2022. Numbers reflective of ETF performance.

Global Equity- Major Indices

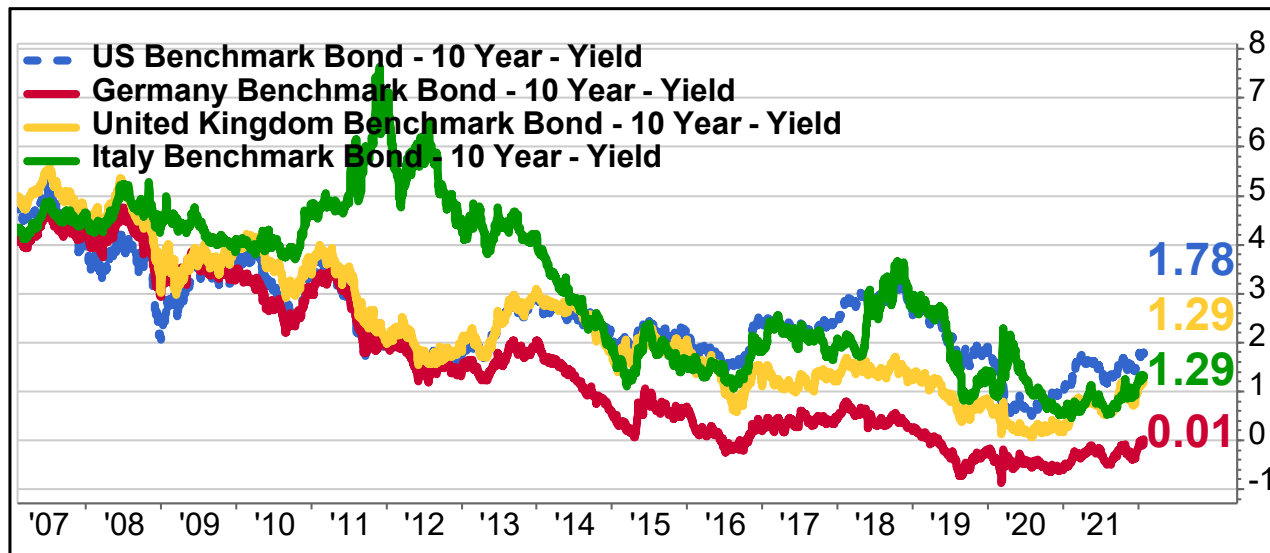


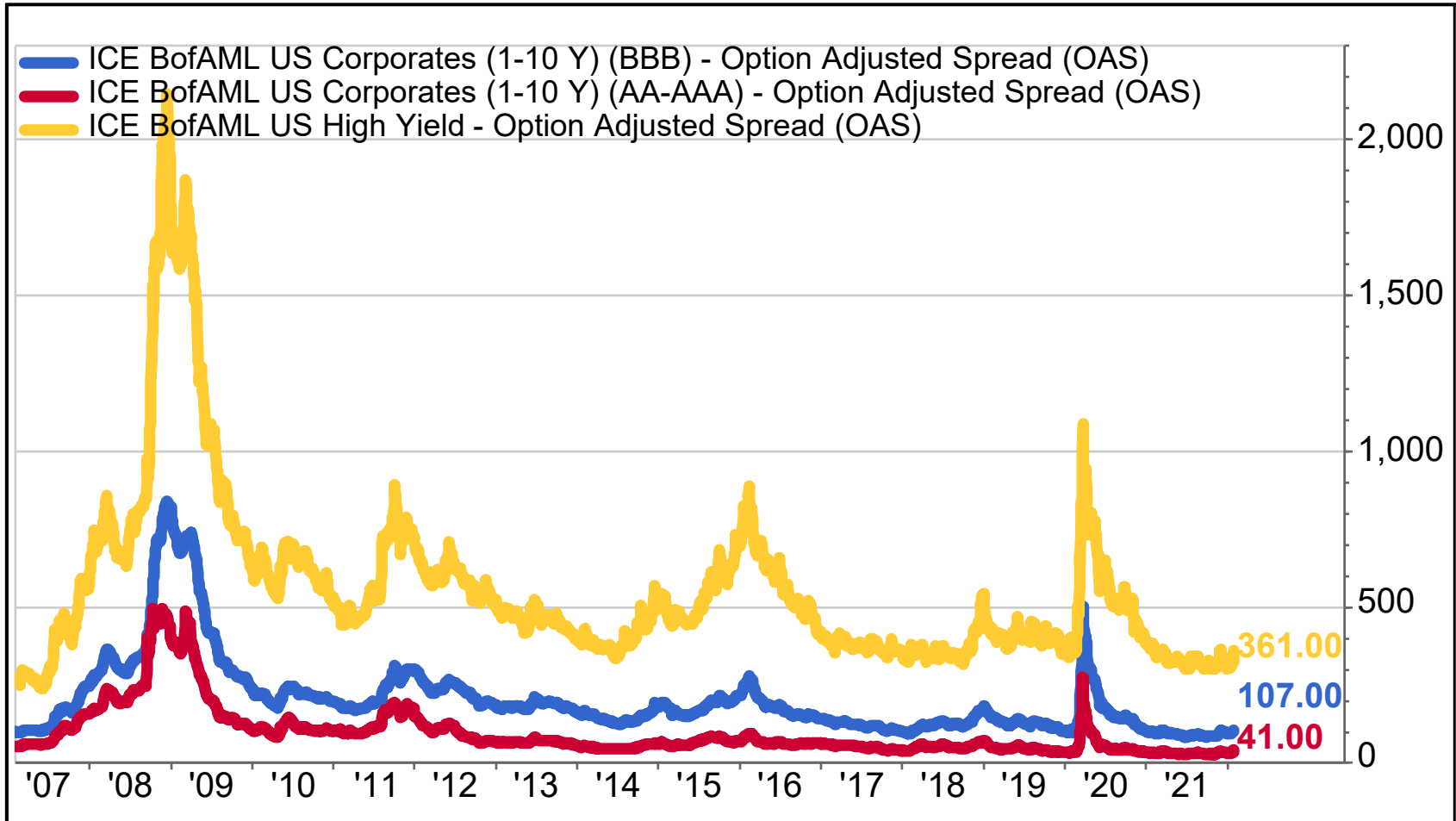
Global Equity- Major Indices



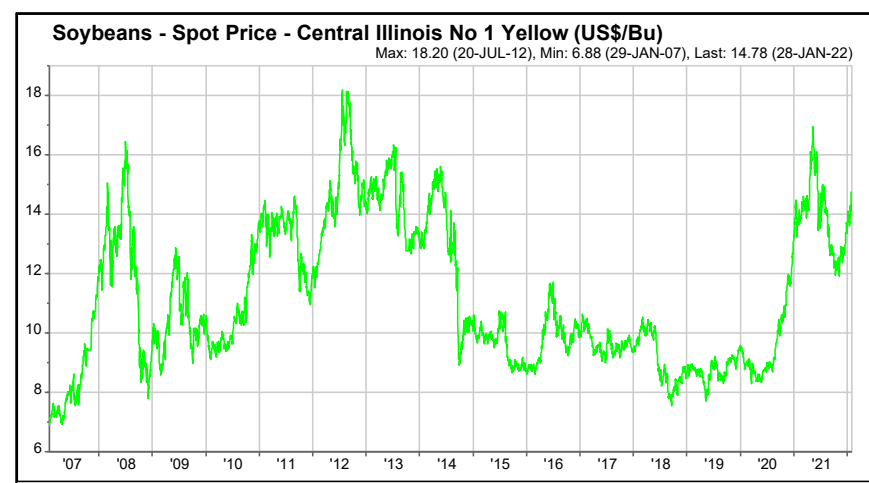
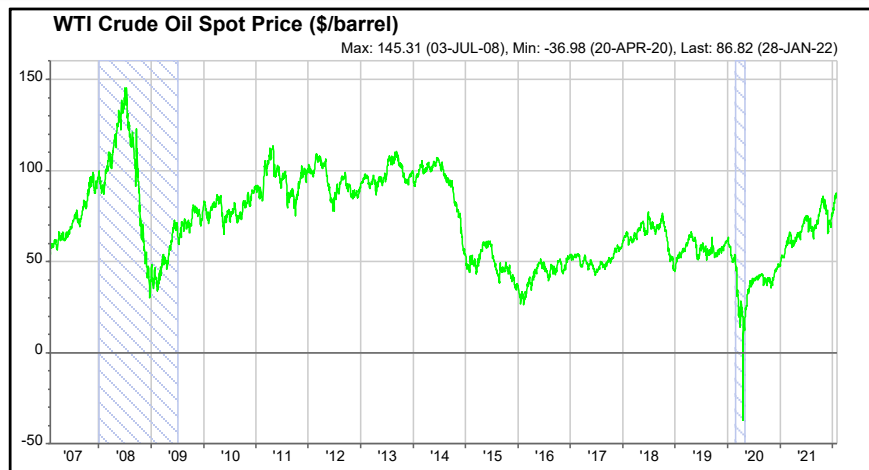


- Bond yields increased around the globe amid concerns on rising inflation





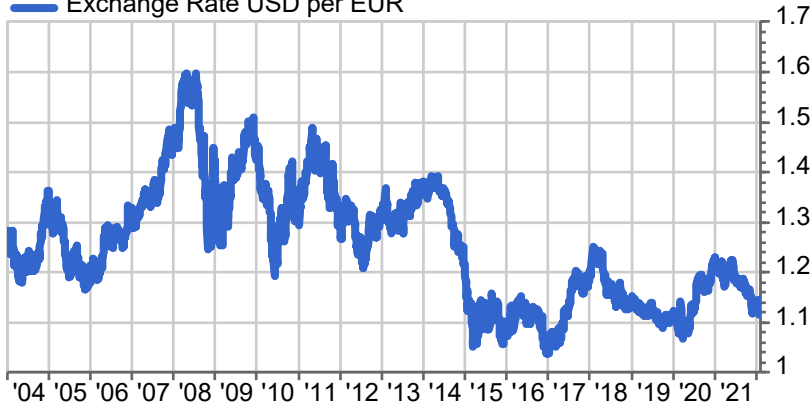
- Credit spreads moved higher in January.



- As of 1/31/2022, WTI Crude: \$86.82/Barrel; Gold: \$1788.15 Troy Oz; Copper: \$9678/MT; Soybean: \$14.78/Bu.

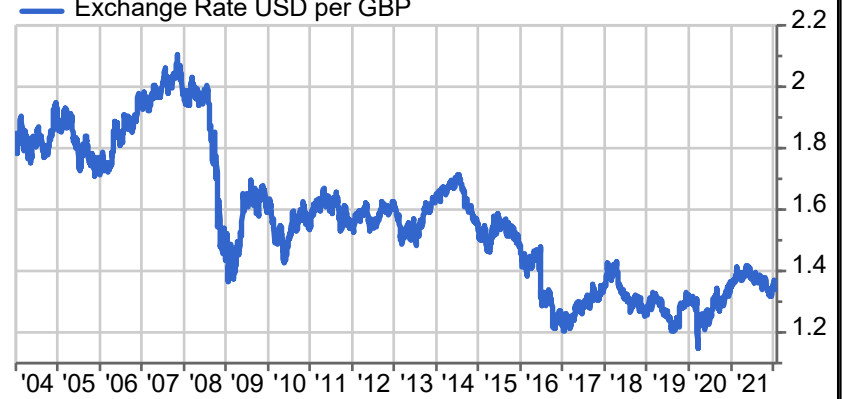
U.S. Dollar per Euro

— Exchange Rate USD per EUR



U.S. Dollar per British Pounds

— Exchange Rate USD per GBP



Japanese Yen per U.S. Dollar

— Exchange Rate JPY per USD



China Renminbi per U.S. Dollar

— Exchange Rate CNY per USD



- As of 1/31/2022, FX rates are: 1.12 USD/EUR, 1.34 USD/GBP, 115.18 JPY/USD, 6.37 CNY/USD.

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