



# Just Markets - Aqualung

Live Webcast Hosted By:

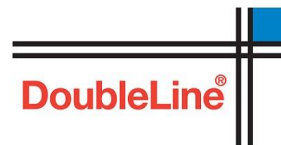
**Jeffrey Gundlach**

Chief Executive Officer  
DoubleLine Capital

**January 12, 2021**



# Webcast Announcements



## [2021 Webcast Schedule available on www.doublelinefunds.com](http://www.doublelinefunds.com)

### [Asset Allocation Webcast – February 9, 2021](#)

Deputy CIO, Jeffrey Sherman will discuss DoubleLine’s Low Duration, Core Fixed Income and Flexible Income Funds

Go to [www.doublelinefunds.com/webcast-schedule/](http://www.doublelinefunds.com/webcast-schedule/)

1:15 pm PDT/4:15 pm EDT

### [Total Return Webcast – March 9, 2021](#)

Jeffrey Gundlach and Andrew Hsu will discuss DoubleLine’s Total Return webcast

Go to [www.doubleline.com](http://www.doubleline.com), Home page under “Webcasts”

1:15 pm PDT/4:15 pm EDT

### **To Receive Today’s Presentation Slides:**

In the player, click on “Slides” tab.



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**DoubleLine's Channel 11** hosted by Portfolio Manager, Ken Shinoda available on YouTube

Twitter [@DLineChannel11](#)

Email: [channel11@doubleline.com](mailto:channel11@doubleline.com)



**DoubleLine “Round Table Prime”** discussion with industry leaders: Jim Bianco, Danielle DiMartino Booth, Jeffrey Gundlach, Ed Hyman and David Rosenberg discuss macroeconomics, markets, risks and best ideas for 2021.

**Macro Discussion available now on YouTube**

**Markets & Best Ideas – Will be released in the coming weeks**

# Podcast Announcements



## **“Sherman Show” Podcasts** – Named one of “Ten Must-Listen” podcasts by **Business Insider in 2020.**

Hosted by Deputy CIO, Jeffrey Sherman and Portfolio Manager, Sam Lau

Available on [doubleline.com](http://doubleline.com), iTunes, Sound Cloud, Google Play, Spotify and Stitcher

Visit them on Twitter @ShermanShowPod



## **“Monday Minutes” Podcasts** Coming every Monday starting in February

Hosted by Portfolio Managers Sam Lau and Jeff Mayberry

Weekly Macro and Markets recaps



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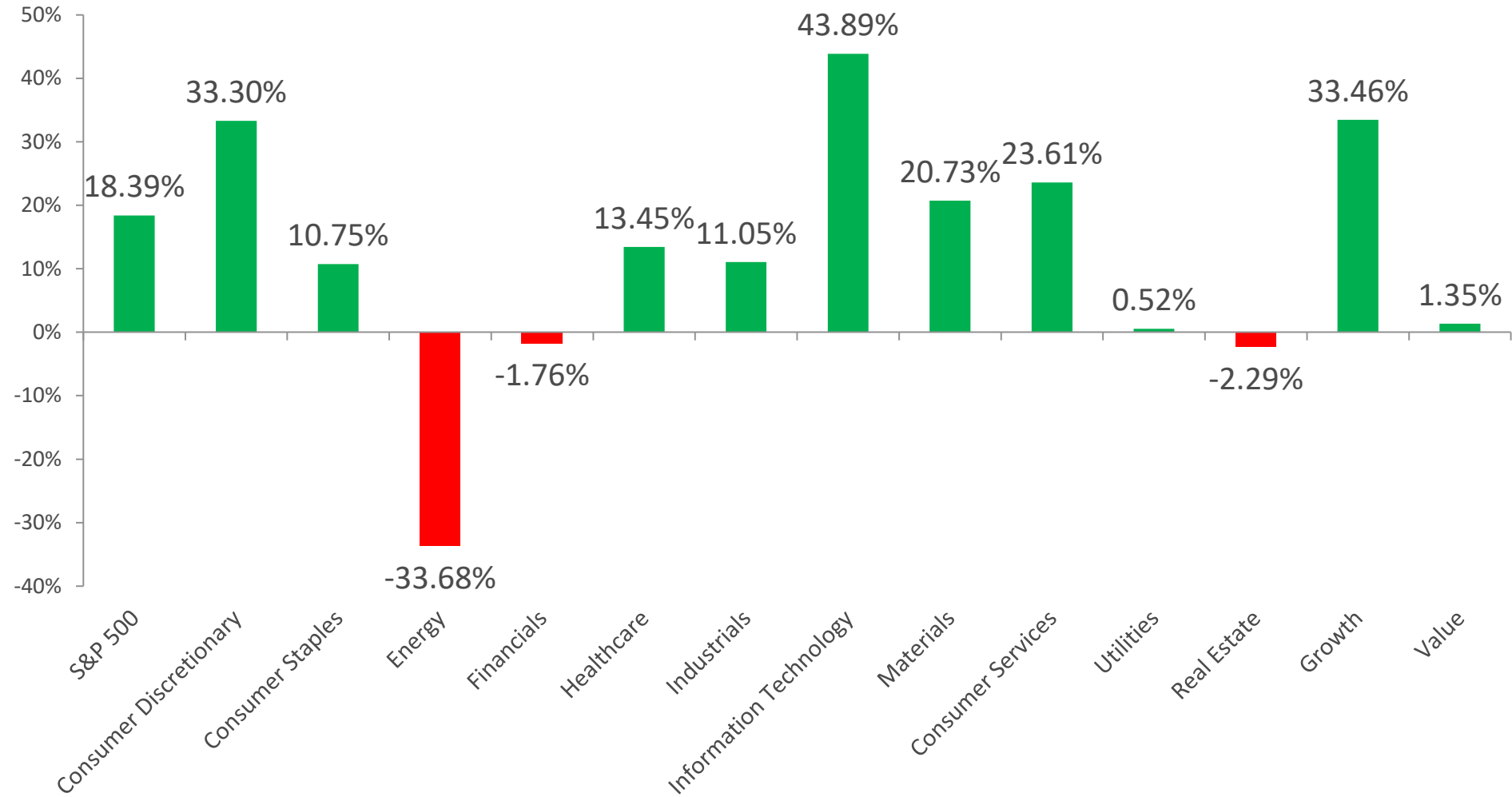
**January 12, 2021**



# S&P 500 2020 Performance by Sector and Factor



(Total Return)



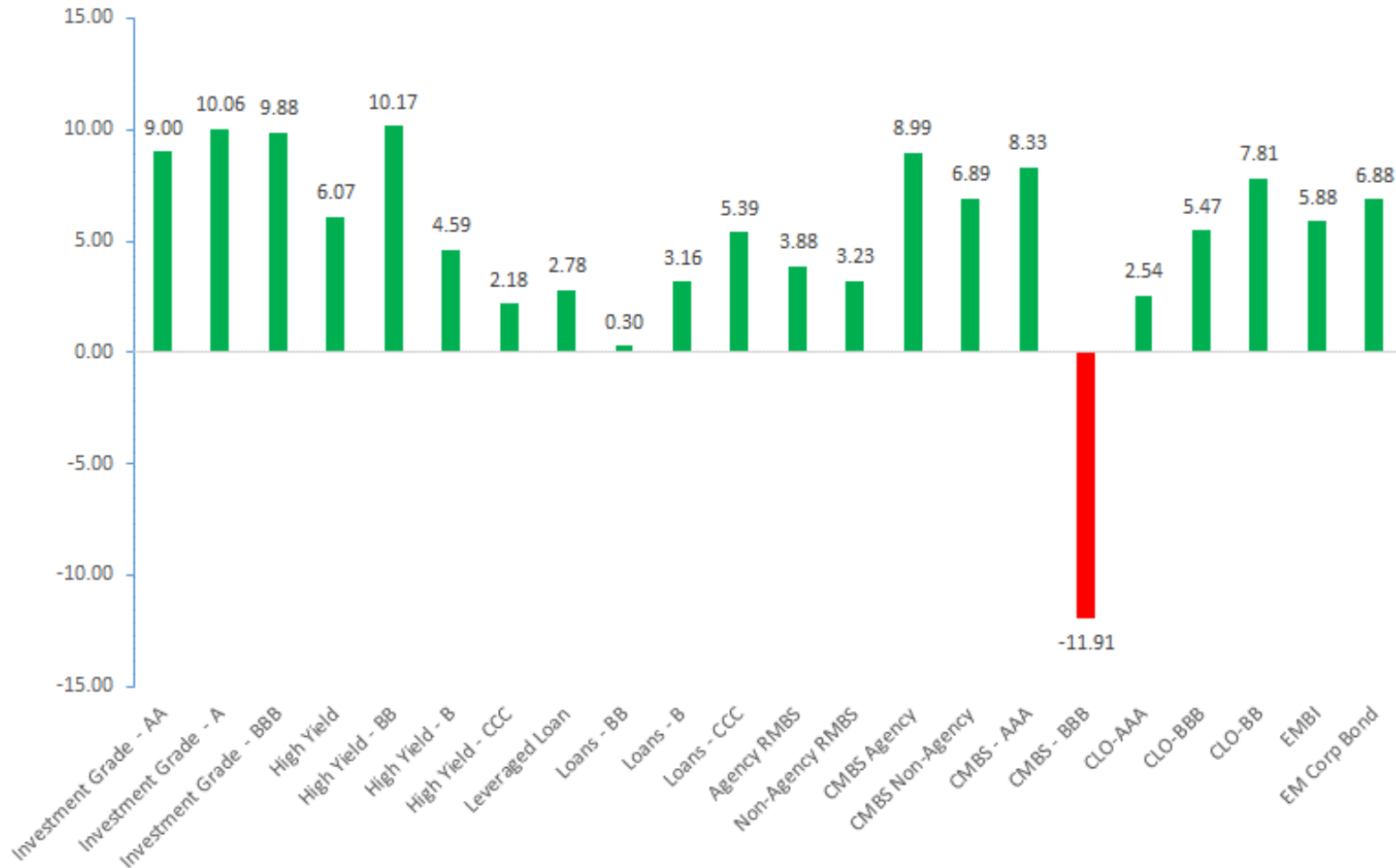
Source: Bloomberg; DoubleLine

Please see appendix for S&P 500 Index definition. All other categories are subsets of this index. You cannot invest directly in an index.

# 2020 Credit Performance



2020 Credit Performance



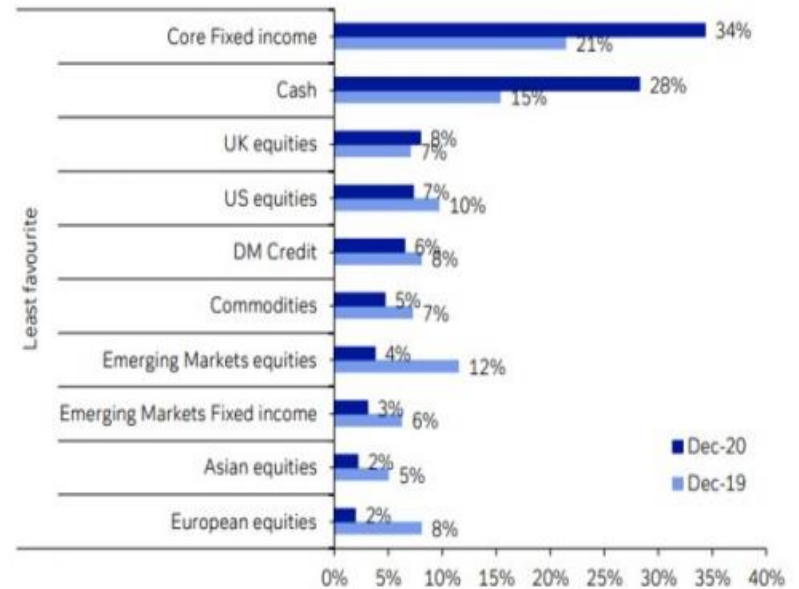
Note: IG: Credit Suisse Liquid US Corporate Index; High Yield: Credit Suisse US Liquid High Yield Index; Leveraged Loans: Credit Suisse Liquid Leveraged Loan Index; Agency MBS: Bloomberg Barclays US Agency MBS Fixed Rate 1-10yr ex Sub TR Index; Non-Agency MBS: Amherst Non-Agency RMBS (as of Nov 2020); CMBS: Bloomberg Barclays US CMBS Fixed Rate; CLO 2.0: Palmer Square CLO DM and JP Morgan CLO Total Return Index; EMBI: JP Morgan EMBI Global Total Return Index; EM Corp Bond: Credit Suisse Emerging Market Corp Bond Total Return. You cannot invest directly in an index.

# Favorite Assets in 2021

Figure 1: From the list provided below, please select your favourite (left) and least favourite (right) asset class for 2021



**Favorite**



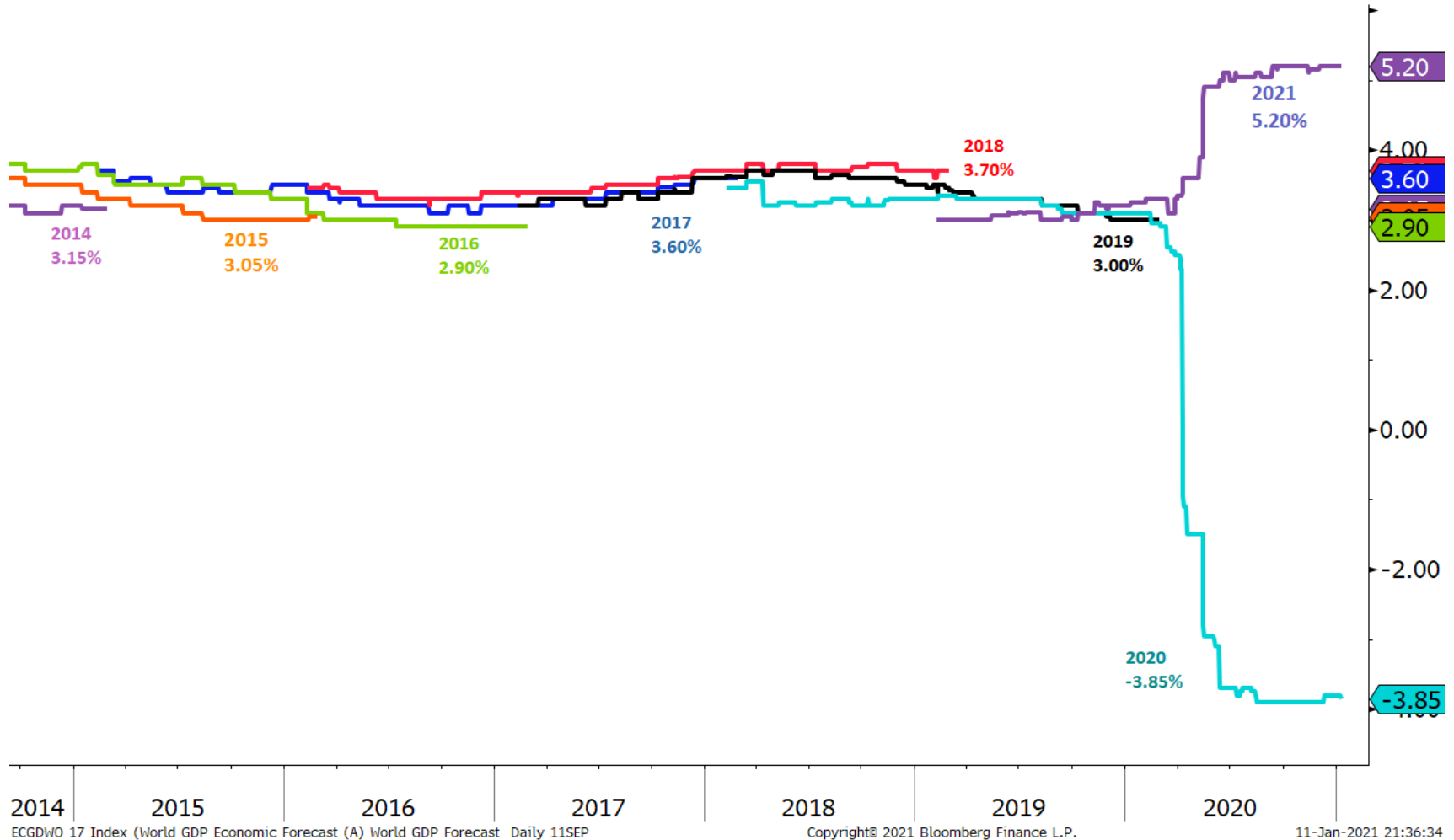
**Dislike**

Source : dbDIG Survey, Deutsche Bank Research

# World GDP Forecasts by Year



World GDP Forecasts (Year-over-Year%)



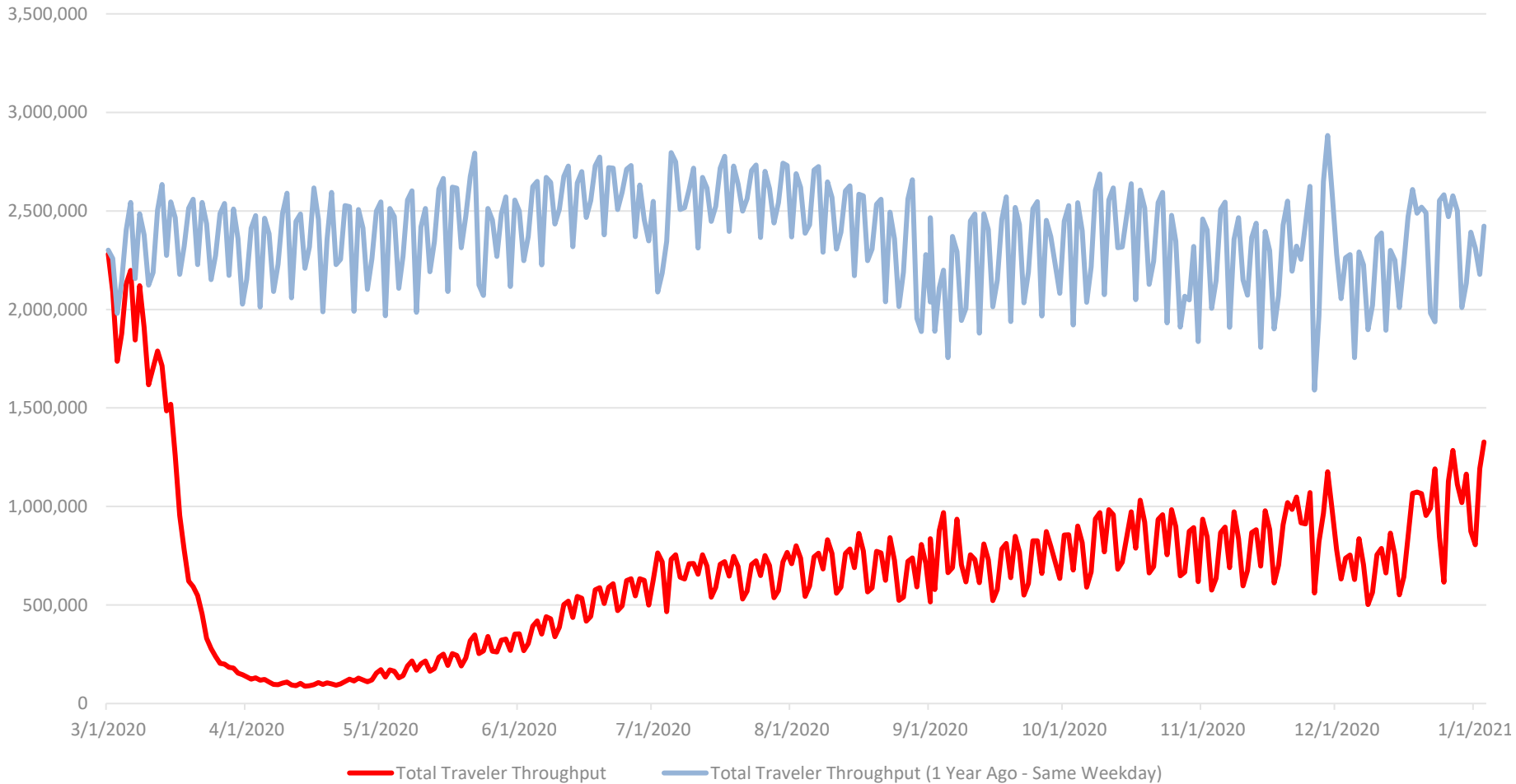
Source: Bloomberg; DoubleLine

GDP = Gross Domestic Product is the amount of goods and services produced within a given country.

# TSA Travelers: 2020/2021 vs. 1 Year Ago



TSA Total Traveler Throughput: 2020/2021 vs. 1-year Ago

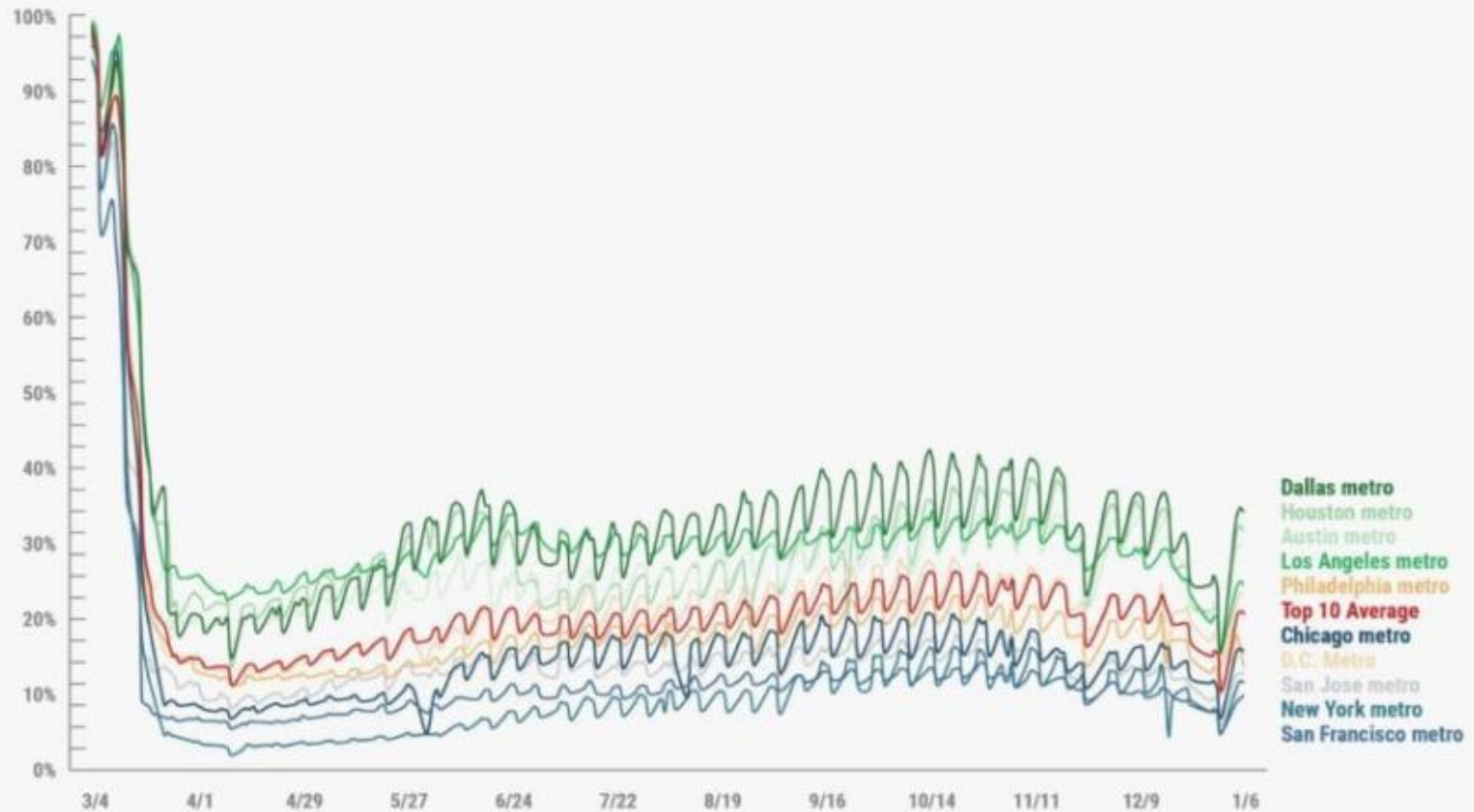


Source: TSA; DoubleLine

# Kastle Back-to-Work Barometer

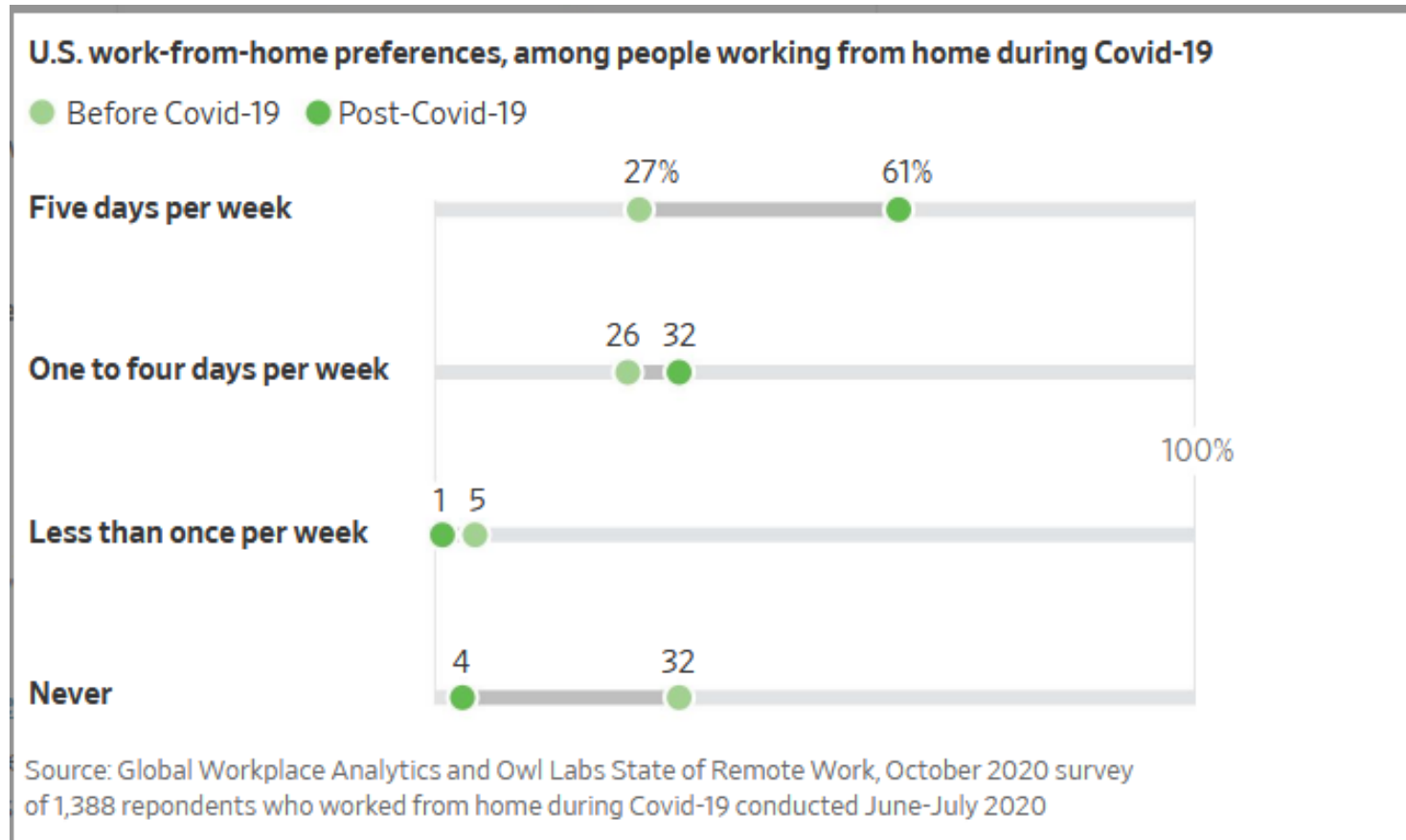


## OCCUPANCY OVER TIME — MARCH 4 TO JANUARY 6



Source: <https://www.kastle.com/city-by-city-views-of-americas-office-use/>

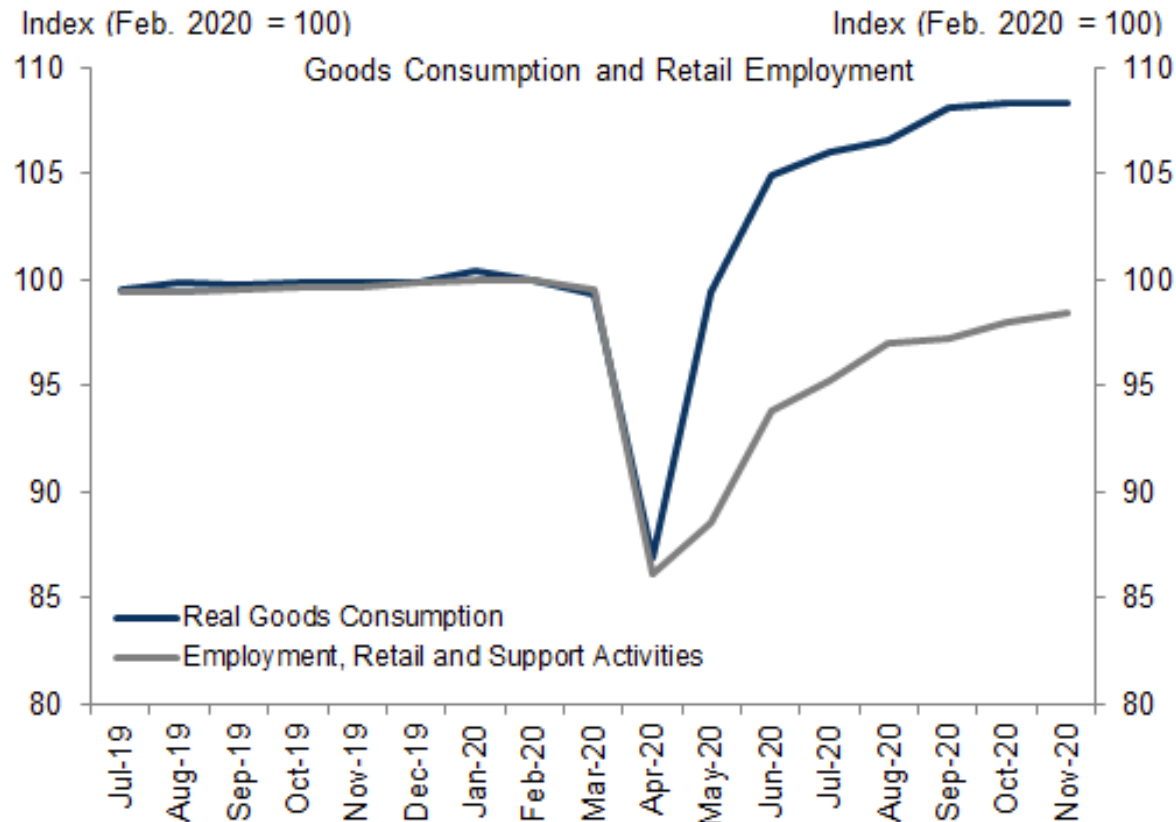
## Work From Home Shift



# Broad Adoption of Ecommerce



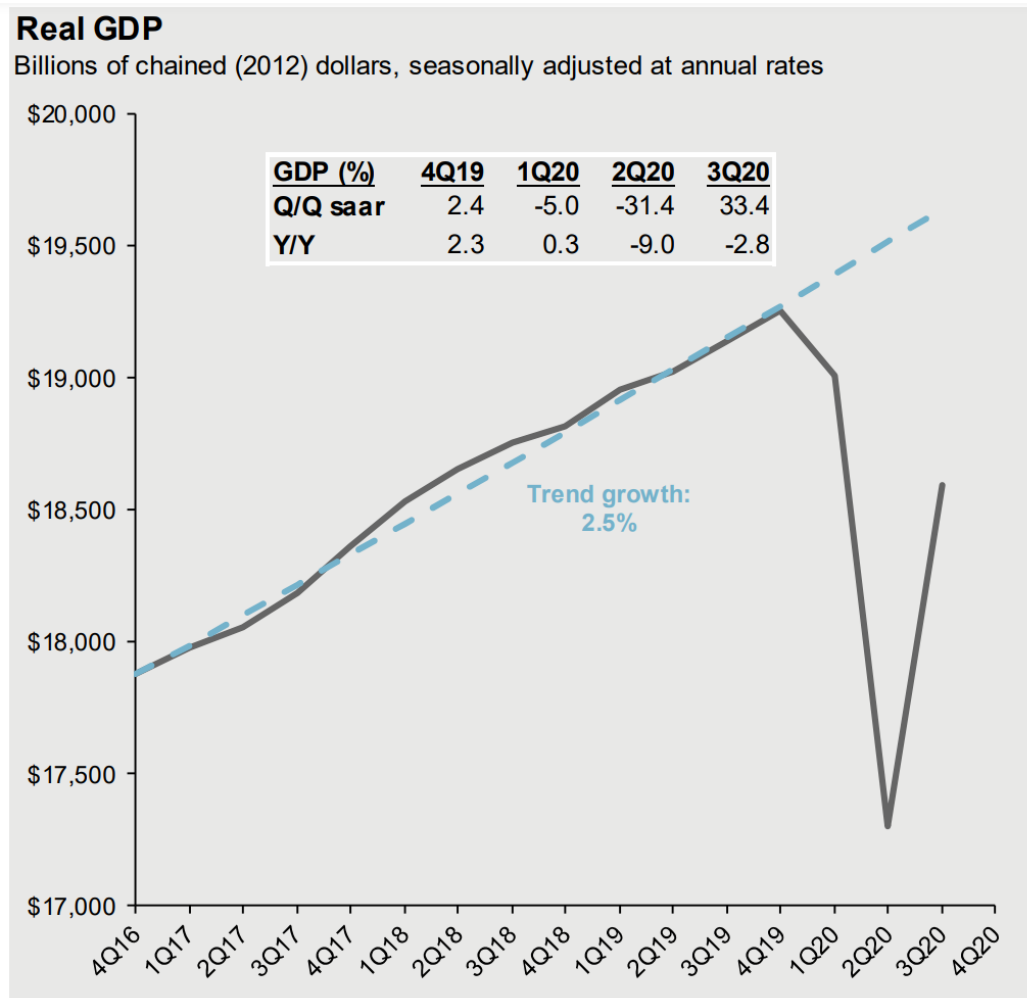
**Exhibit 4 : Ecommerce Has Enabled 8% Higher Goods Consumption This Year with 1.5% Fewer Retail Workers**



Source: Department of Commerce, Department of Labor, Haver Analytics, Goldman Sachs Global Investment Research

# U.S. Economic Growth

As of December 31, 2020



Source: BEA, FactSet, J.P. Morgan Asset Management. Values may not sum to 100% due to rounding.  
*Guide to the Markets – U.S.* Data are as of December 31, 2020.

Source: Guide to the Markets by JPMorgan, Q1-2021

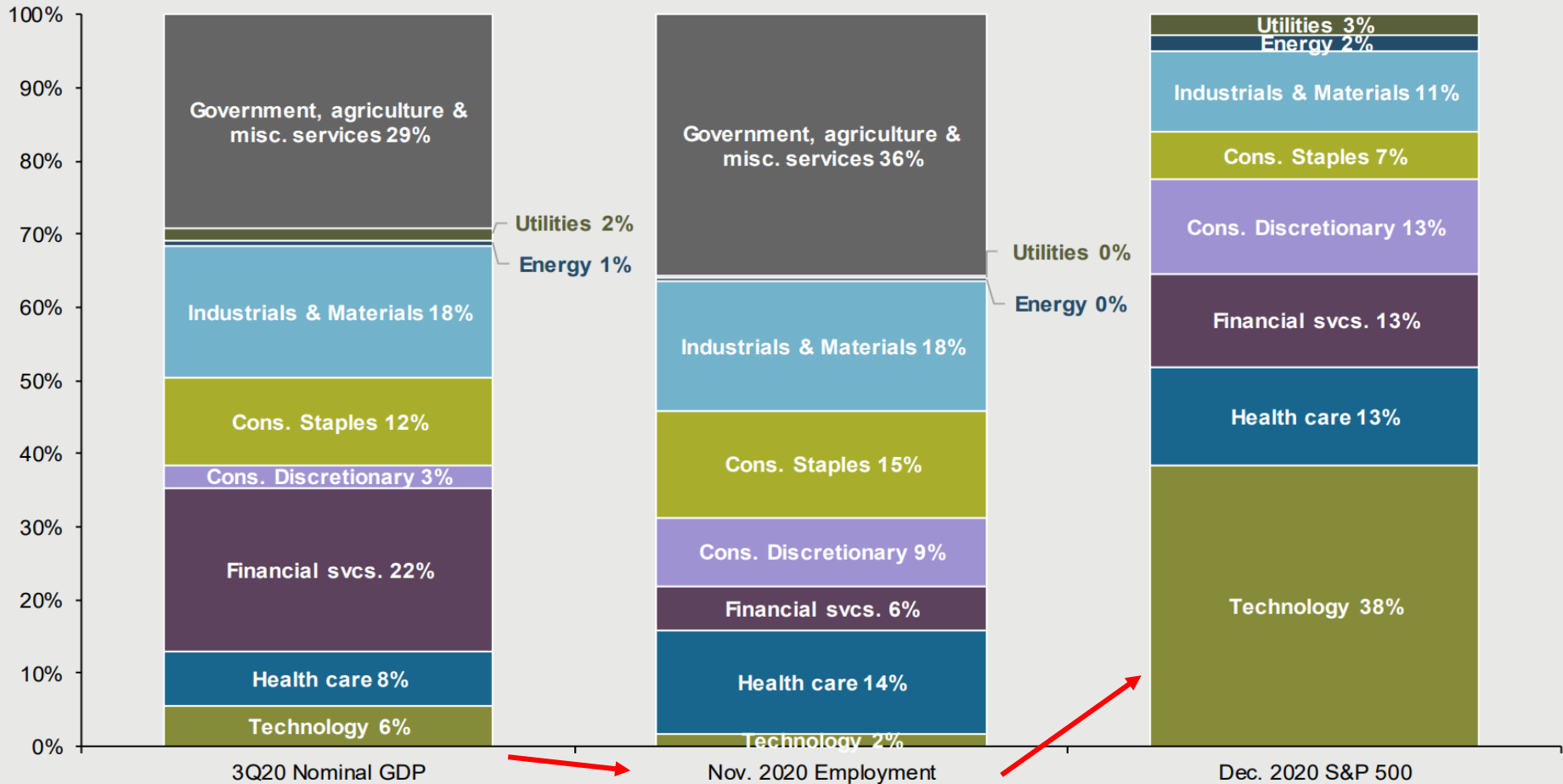
GDP = Gross Domestic Product is the amount of goods and services produced within a given country.

# Sector Share of Economy, Employment and S&P 500

As of December 31, 2020



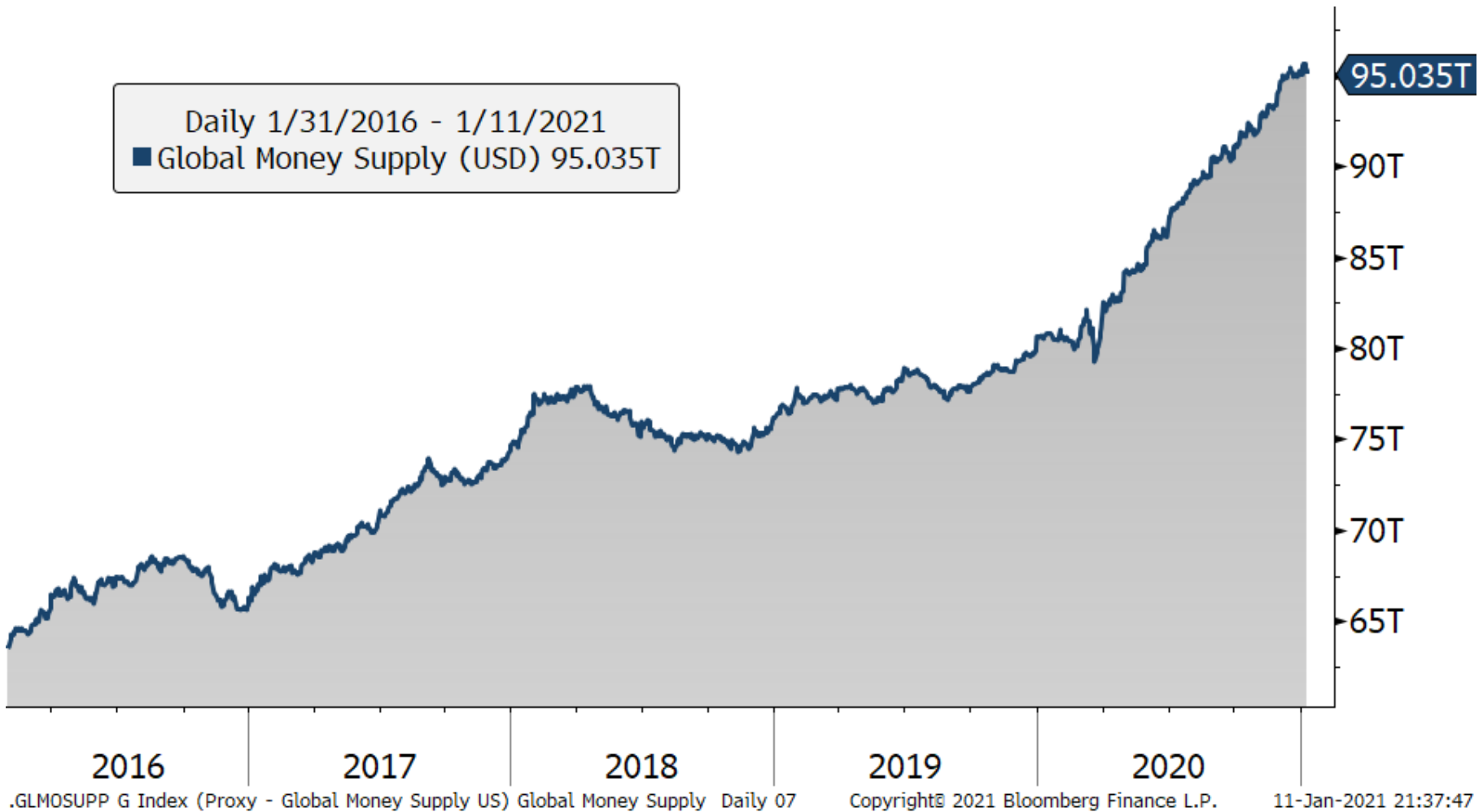
**Sector share of GDP, employment, S&P 500**



Source: Bureau of Economic Analysis, Bureau of Labor Statistics, Standard & Poor's, J.P. Morgan Asset Management. Sector share of S&P 500

Source: Guide to the Markets by JPMorgan, Q1-2021. Sector share of S&P 500 based on market cap weighting. Technology: information (economy, employment), technology and communication services (S&P 500). Financial services includes real estate (S&P 500). Please see appendix for index definitions. You cannot invest directly in an index.

# Flooding the System



Source: Bloomberg; DoubleLine

M2 = Includes money that can be used for spending (M1) plus items that can be quickly converted to M1. YoY = year-over-year.

This index sums up M2 for the Eurozone, China, United States, Japan, South Korea, Australia, Canada, Brazil, Switzerland, Mexico, Russia, Taiwan.

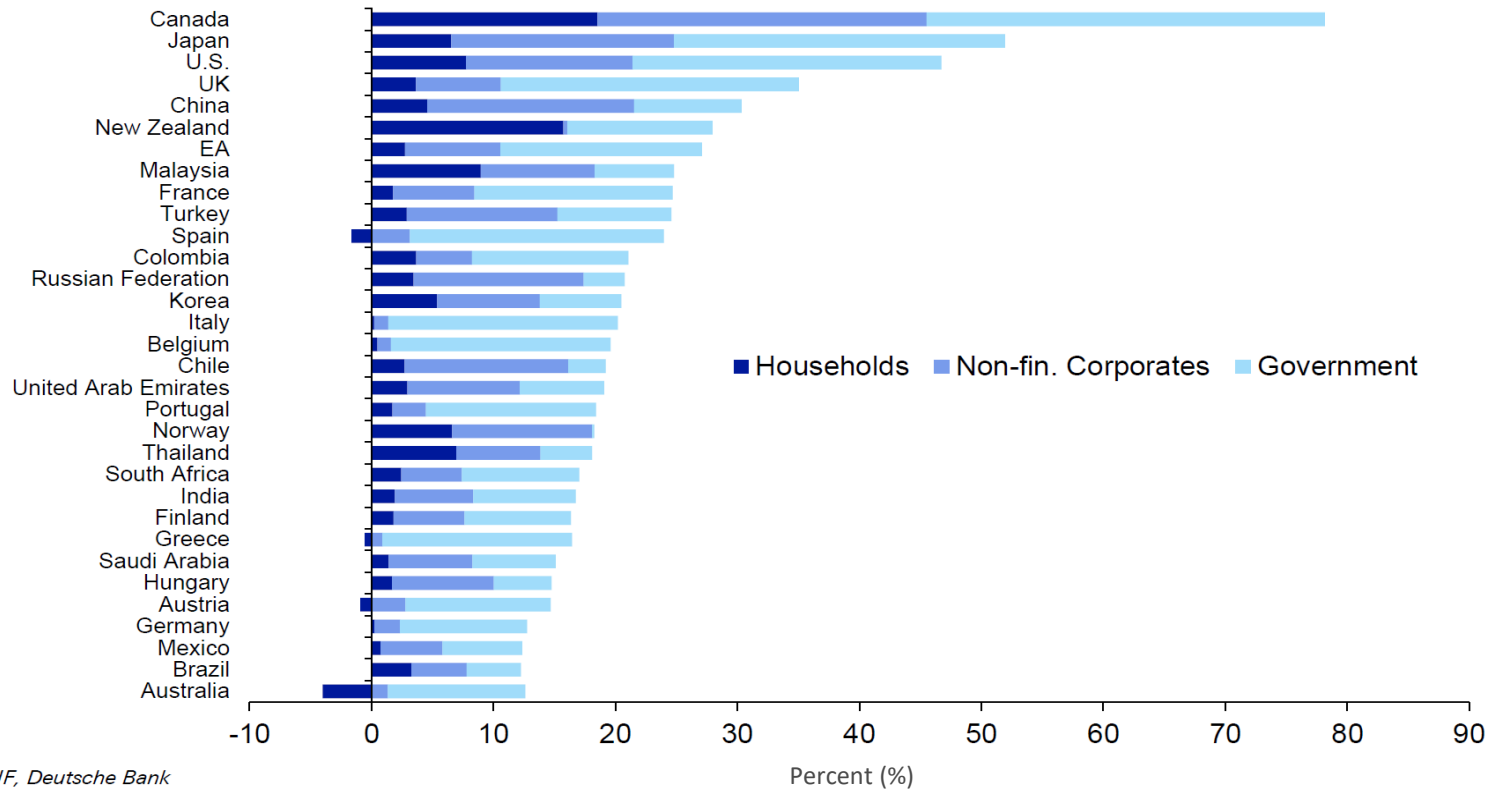
# YTD Change in Debt-to-GDP



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The global cost of the pandemic... one day we will worry about this but unlikely to in 2021 with a strong growth snap back and pent-up euphoria...

## Change in debt-to-GDP, between Q4-2019 and Q3-2020



Source: IIF, Deutsche Bank

GDP = Gross Domestic Product is the amount of goods and services produced within a given country.

# U.S. Debt to GDP

As of December 31, 2020



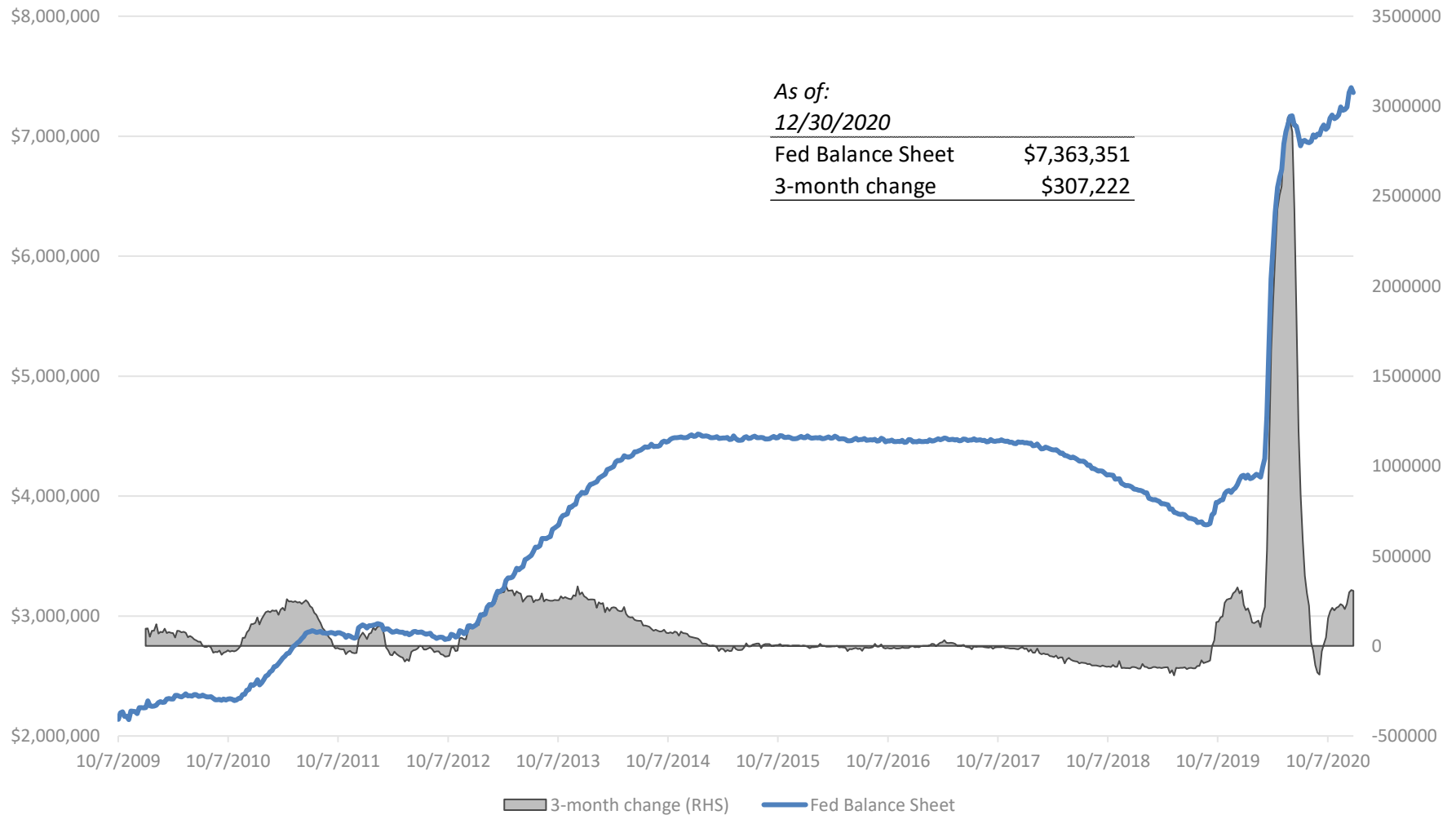
Source: Guide to the Markets by JPMorgan, Q1-2021

GDP = Gross Domestic Product is the amount of goods and services produced within a given country.

# Fed Balance Sheet and 3-month Change

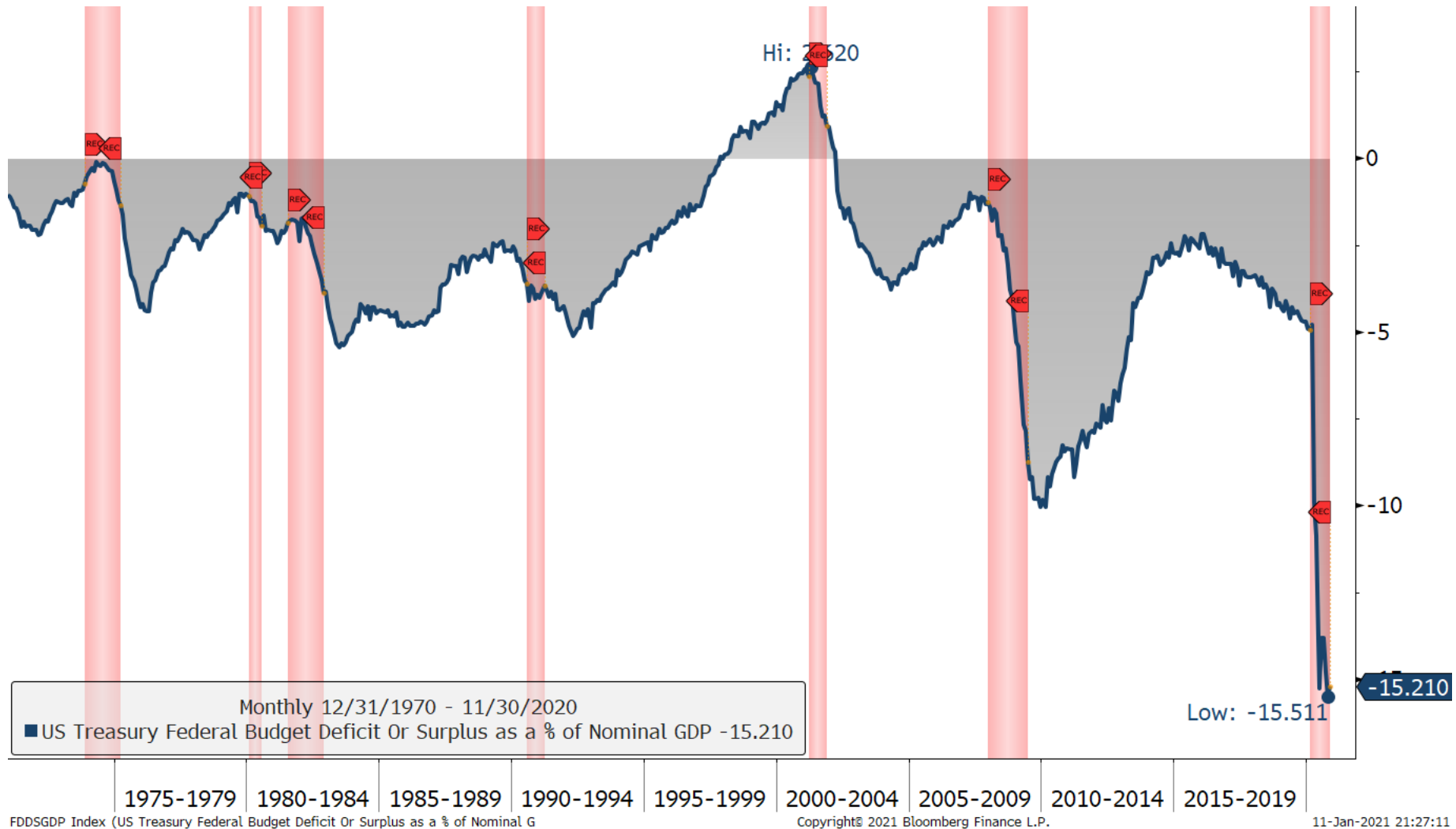


Fed Balance Sheet and 3-month Change (Millions)



Source: Bloomberg; DoubleLine

# U.S. Budget Deficit Watch



Data Source: Bloomberg, DoubleLine

GDP = Gross Domestic Product is the amount of goods and services produced within a given country. Red shaded areas indicate recessionary periods.

# U.S. Trade Balance (Inverted)

As of December 31, 2020



## The U.S. trade balance

Current account balance, % of GDP



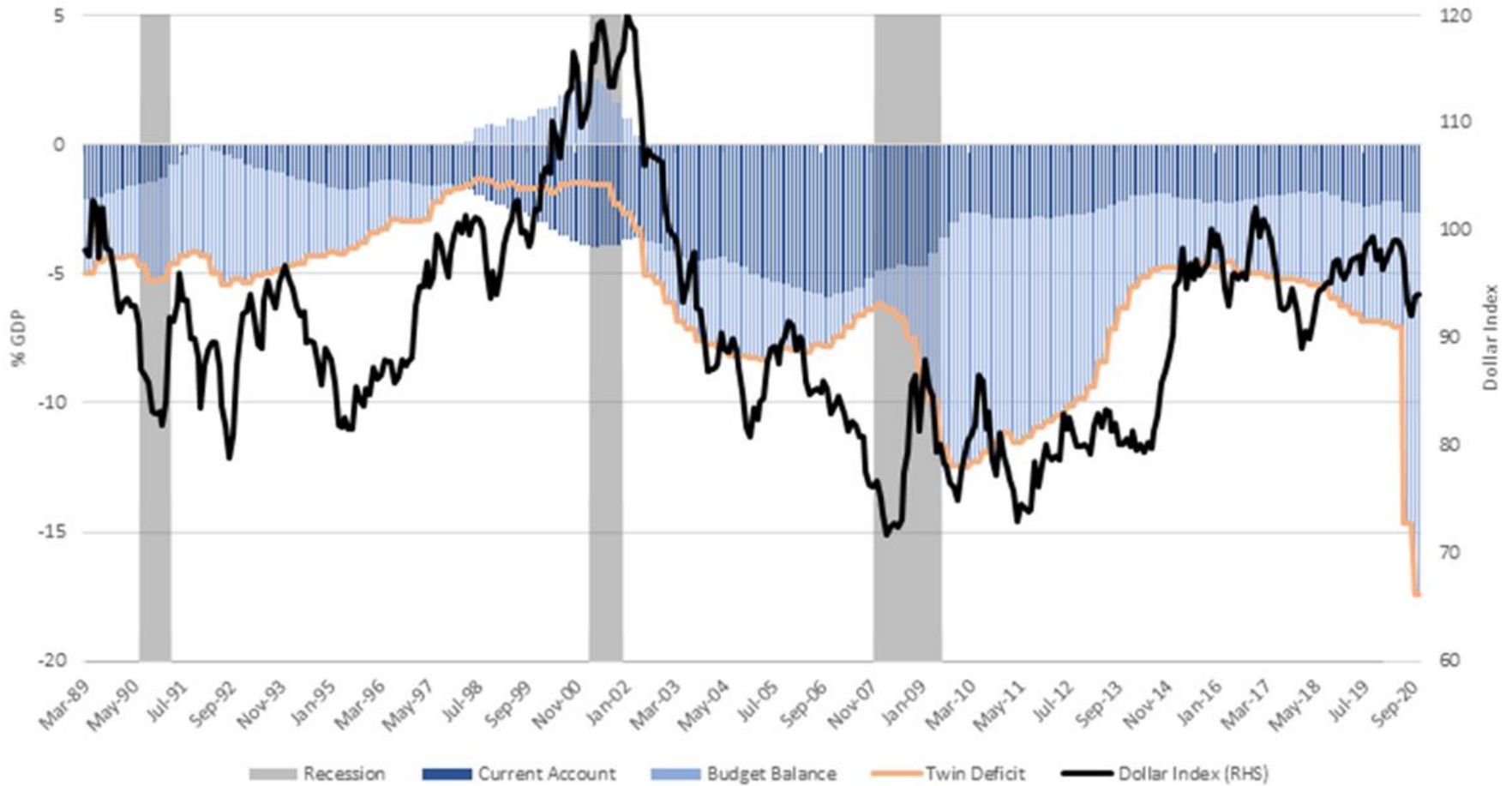
Source: Guide to the Markets by JPMorgan, Q1-2021

GDP = Gross Domestic Product is the amount of goods and services produced within a given country.

# U.S. Dollar and Twin Deficits



USD and Current Account and Budget Balance



Source: DoubleLine, Bloomberg

DXY = The U.S. Dollar Index

Twin Deficits = U.S. Budget Balance + U.S. Current Account Balance. U.S. Budget Balance as of 10/31/2020. U.S. Current Account Deficit as of 6/30/2020. Grey areas indicate recessionary periods.

# Dollar Spot Index (DXY)



Source: Bloomberg, DoubleLine

DXY = U.S. Dollar Index is a measure of the value of the U.S. Dollar relative to a basket of foreign currencies. SMAVG = moving average.

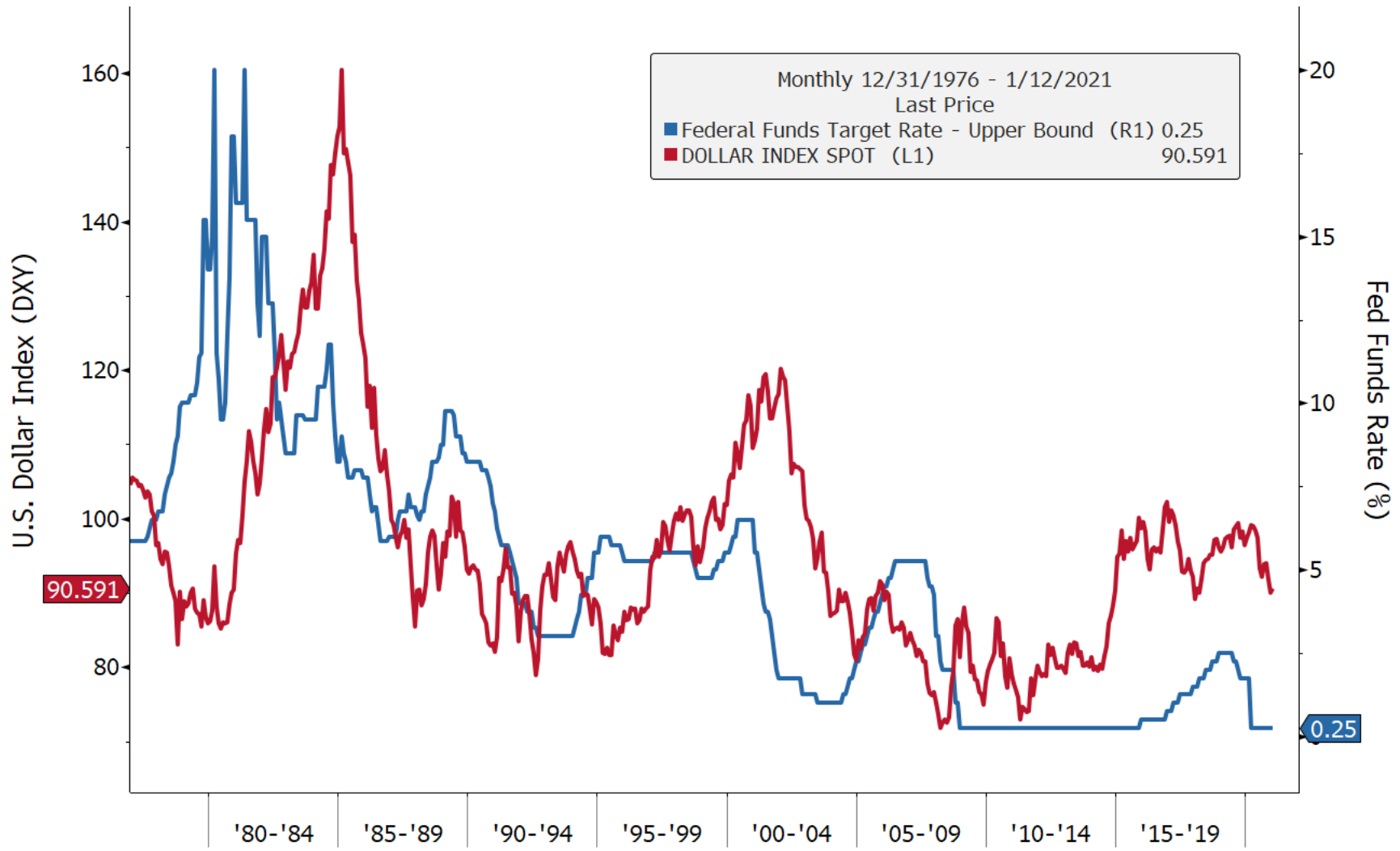
# U.S. Dollar (DXY) Wedge



Source: Bloomberg, DoubleLine

DXY = U.S. Dollar Index is a measure of the value of the U.S. Dollar relative to a basket of foreign currencies. SMAVG = moving averages.

# Fed Funds Rate vs. U.S. Dollar



FDTR Index (Federal Funds Target Rate - Upper Bound) FDTR v DXY Monthly 31DEC19

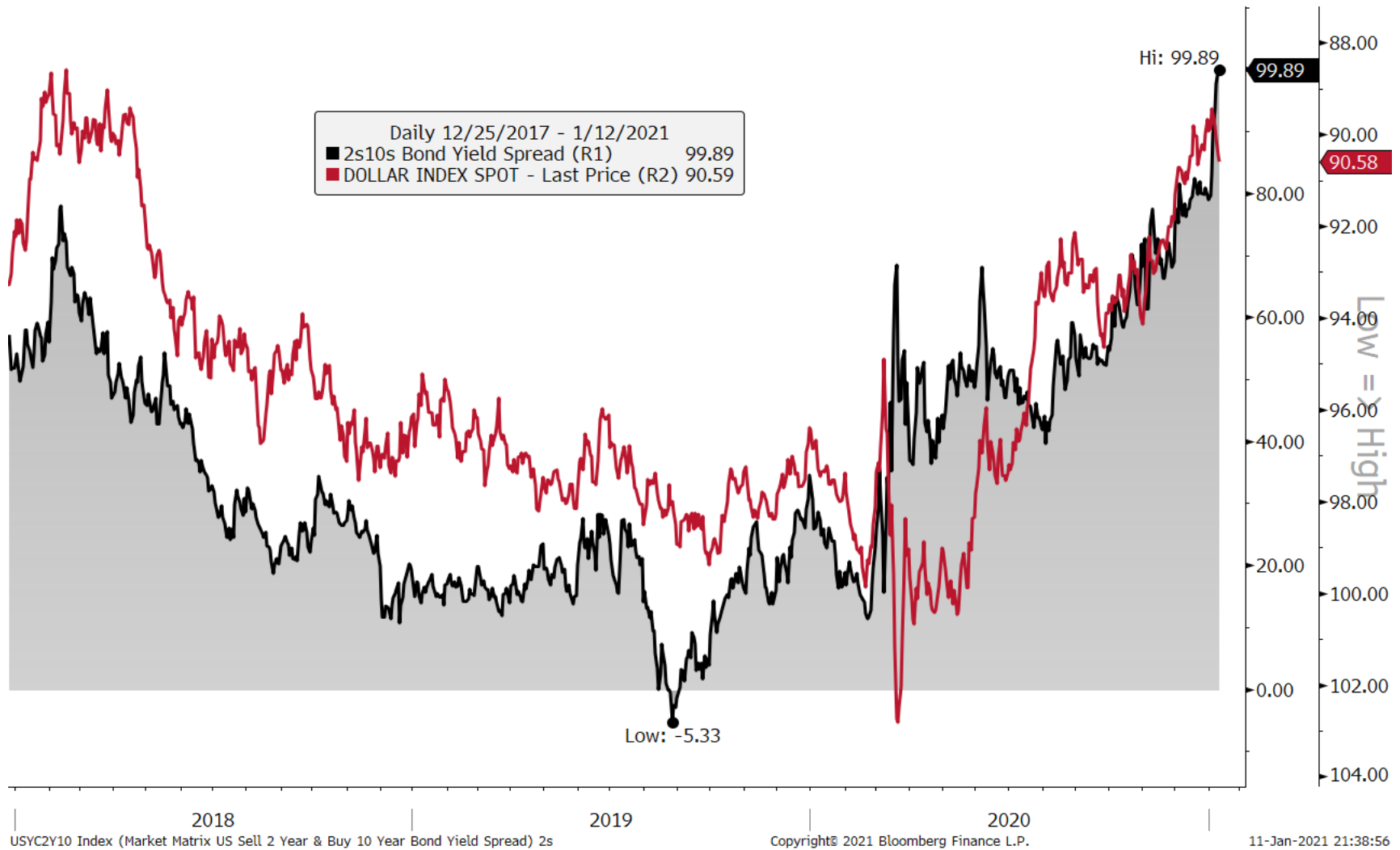
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11-Jan-2021 21:27:40

Source: Bloomberg, DoubleLine

DXY: An index of U.S. dollar vs. a basket of currencies. You cannot invest directly in an index.

# 2s10s and DXY (Inverted)

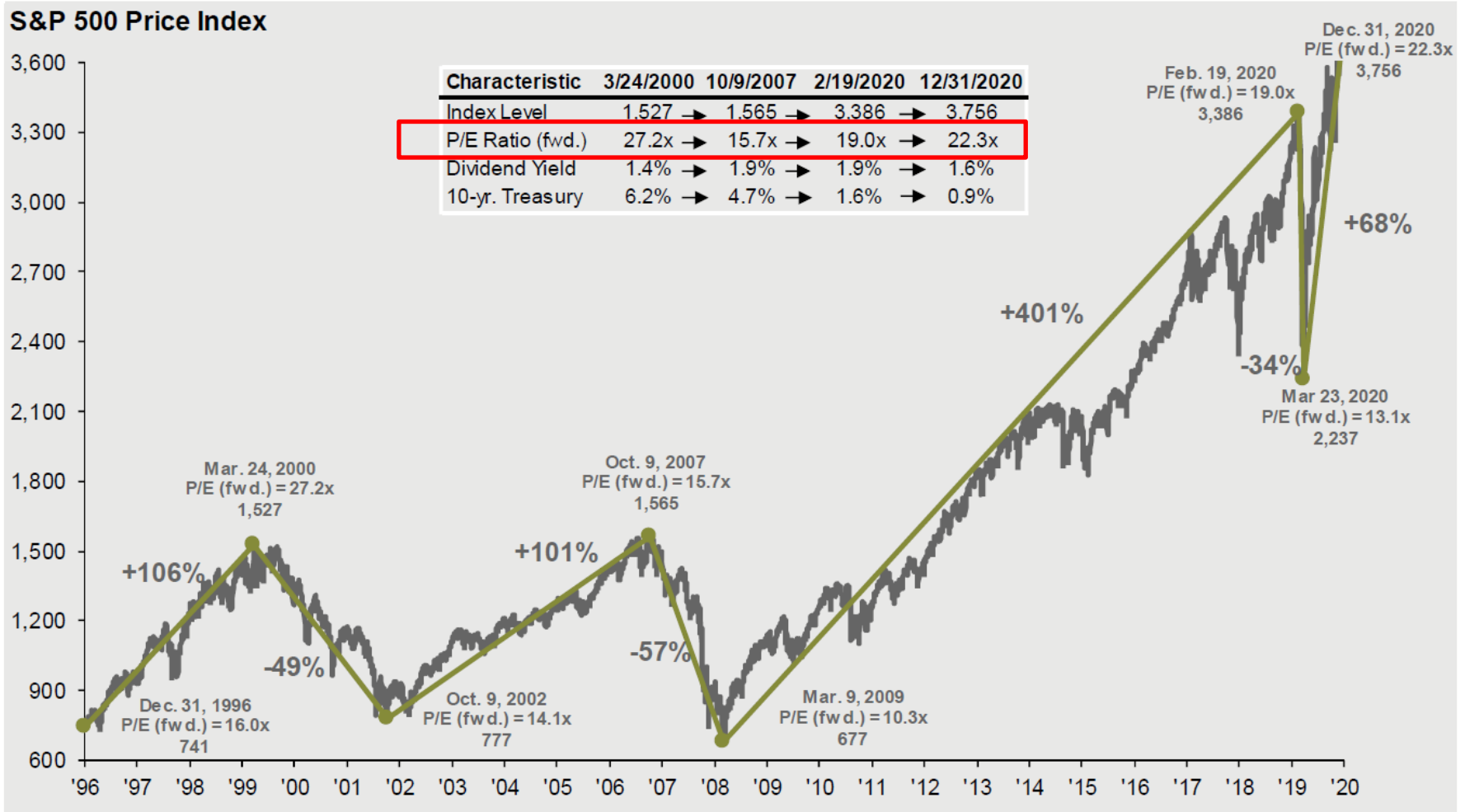


Source: DoubleLine, Bloomberg

DXY is the U.S. dollar Index which indicates the international value of the USD by averaging exchanges rates between the USD and major world currencies.

# S&P 500 and Valuation

As of December 31, 2020



Source: Compustat, FactSet, Federal Reserve, Standard & Poor's, J.P. Morgan Asset Management.

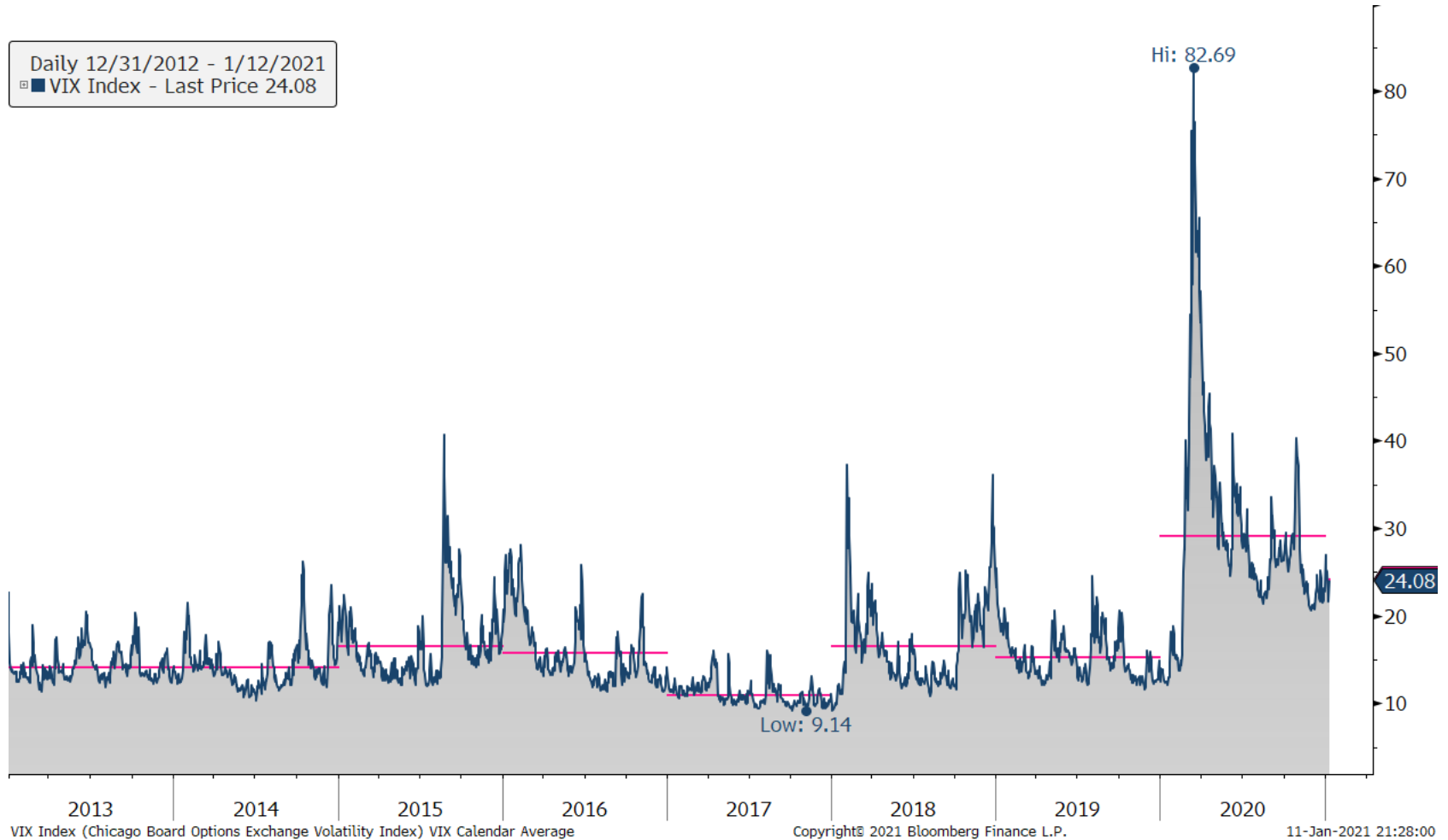
Source: Guide to the Markets by JPMorgan, Q1-2021

Please see appendix for S&P 500 Index definition. You cannot invest directly in an index. P/E = Price/Earnings.

# VIX with Calendar Year Averages



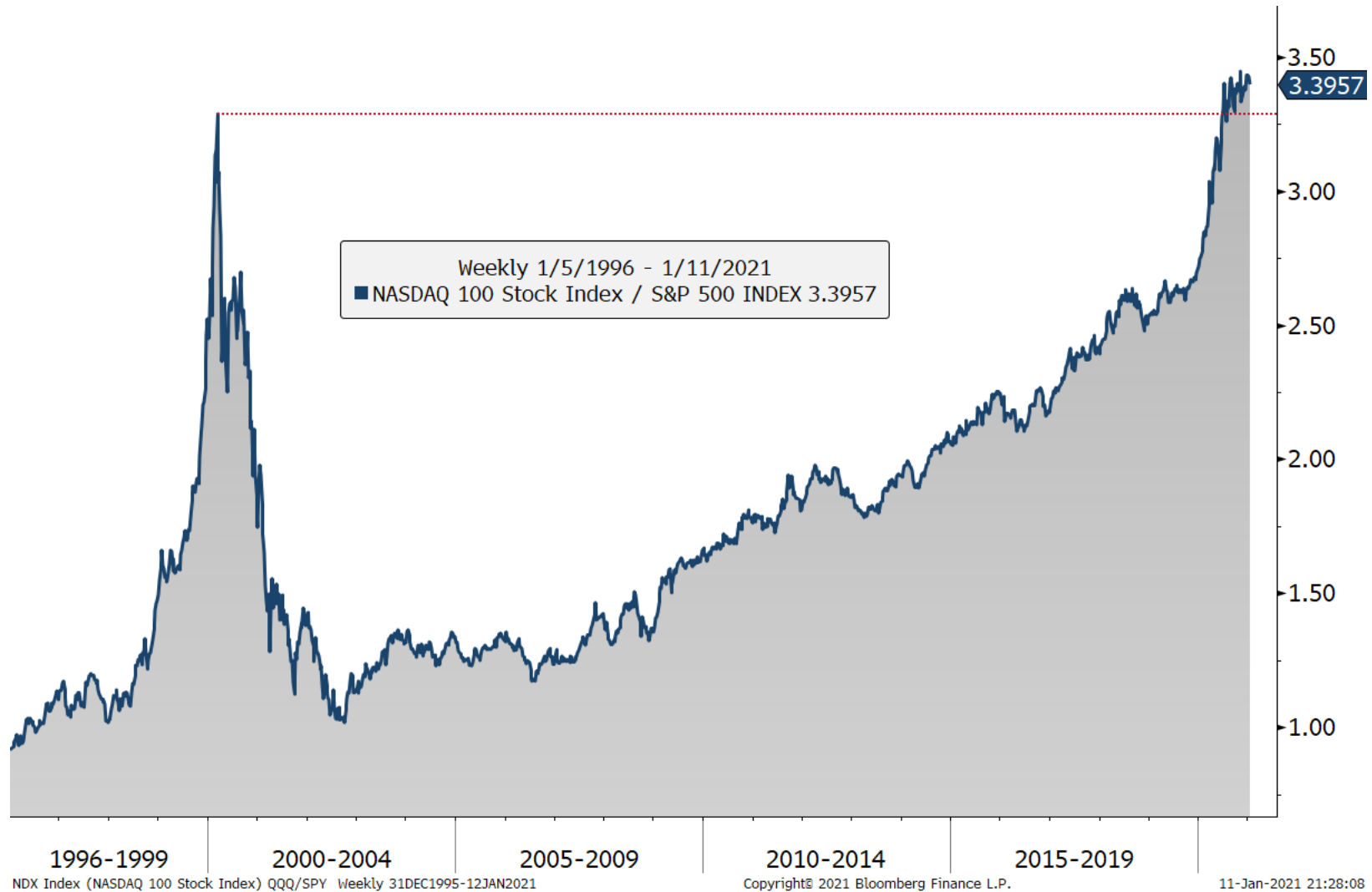
Daily 12/31/2012 - 1/12/2021  
■ VIX Index - Last Price 24.08



Data Source: Bloomberg

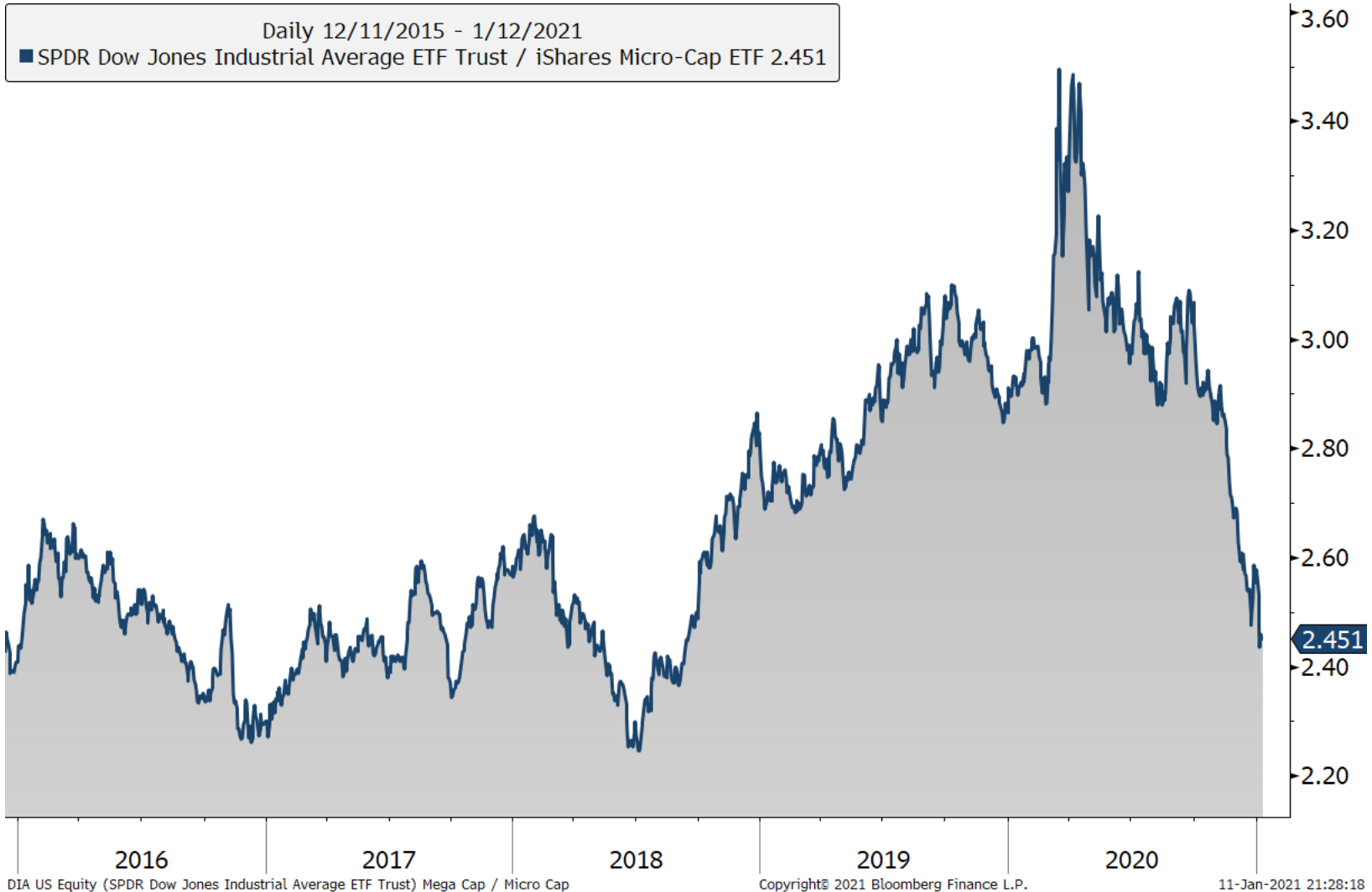
VIX = Volatility Index represents the market's expectations for volatility over the coming 30 days. You cannot invest directly in an index.

# Nasdaq 100 Relative to S&P 500



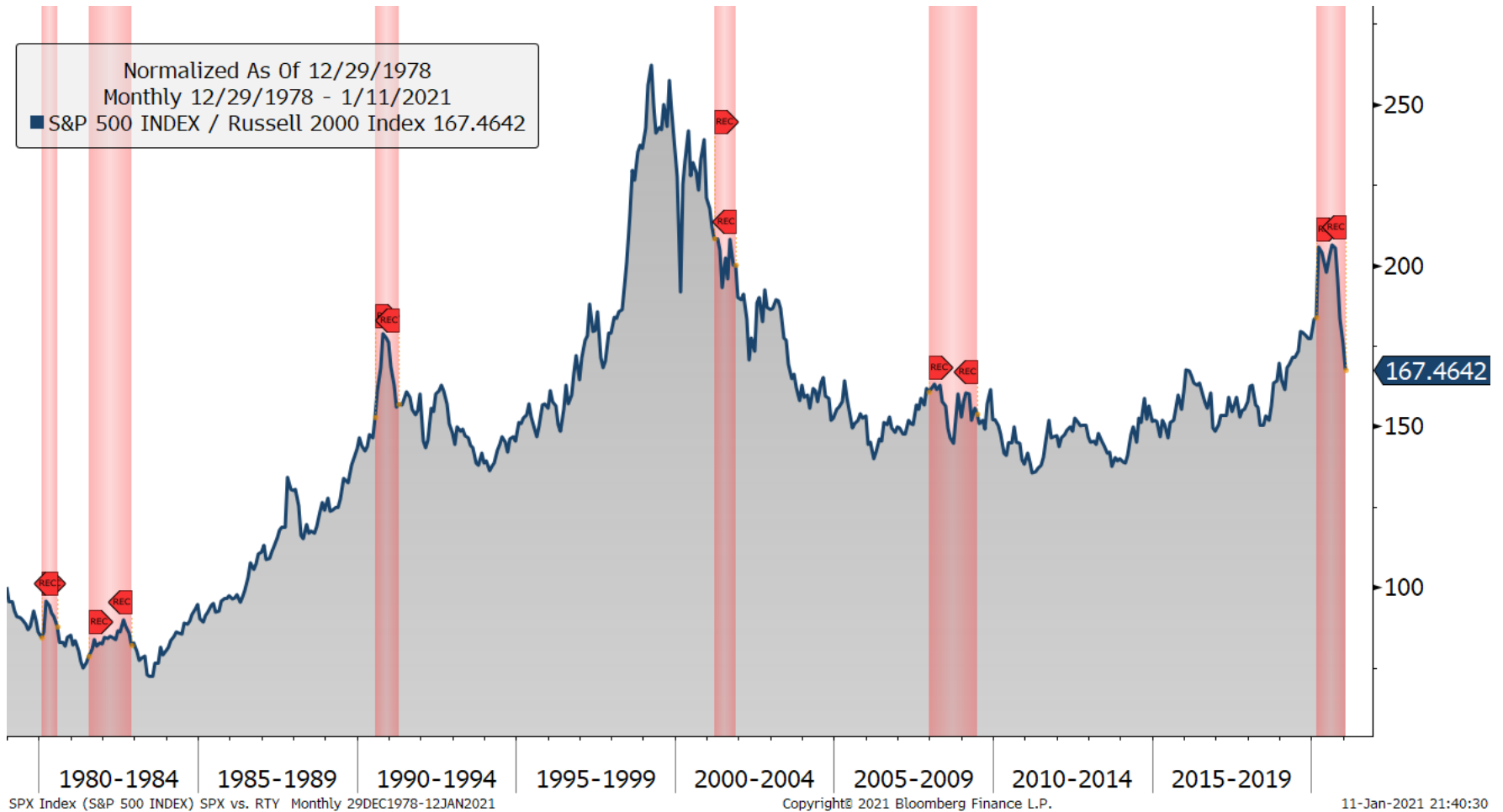
Source: Bloomberg, DoubleLine  
Please see appendix for index definitions. You cannot invest directly in an index.

# “Mega-Cap” (DJI ETF) relative to “Micro-Cap” (IWC)



Source: Bloomberg, DoubleLine  
Please see appendix for ETF descriptions.

# S&P 500 vs. Russell 2000



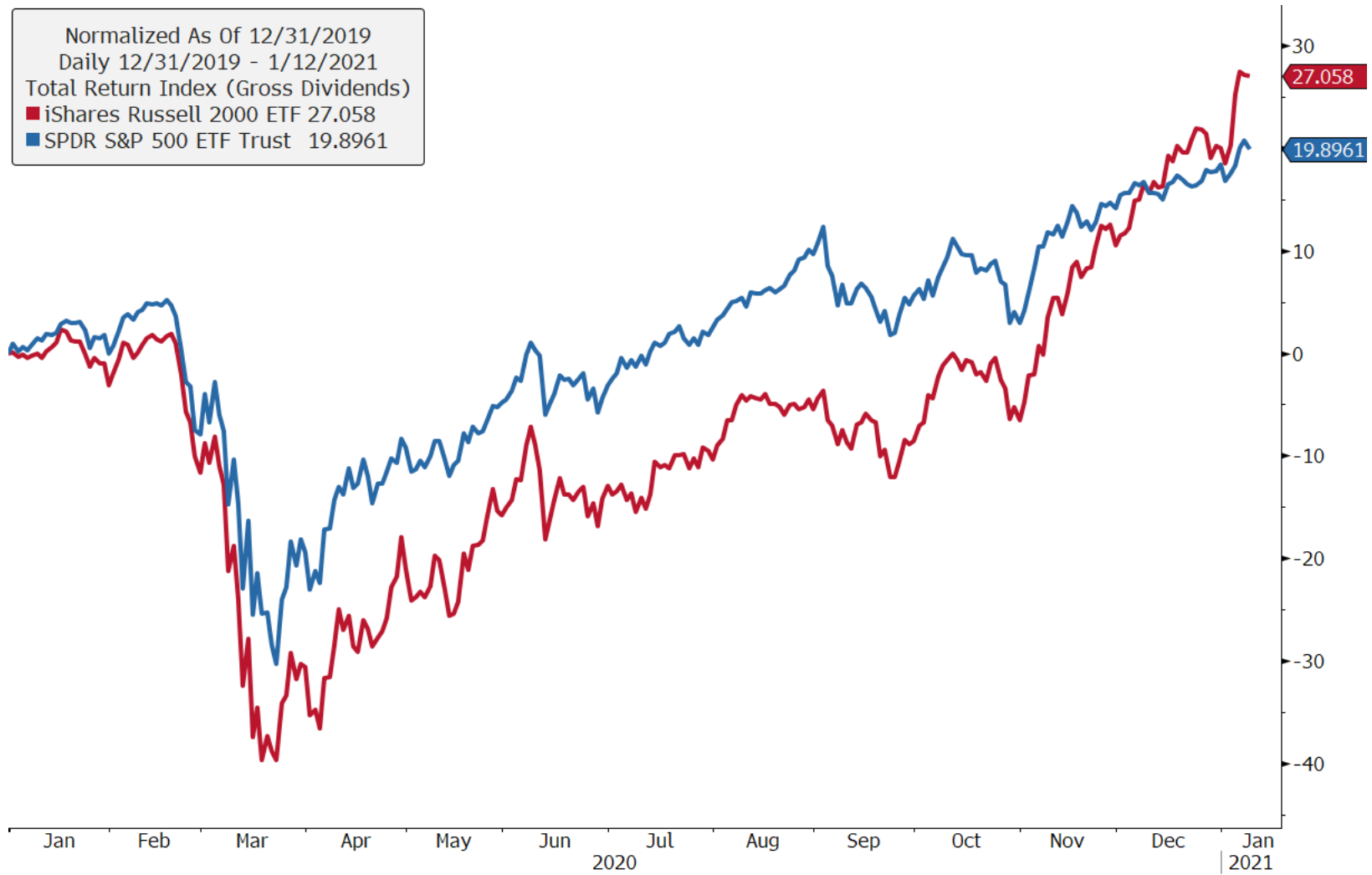
Source: Bloomberg; DoubleLine

Please see appendix for index definitions. You cannot invest directly in an index. Red shaded areas indicate recessionary periods.

# Small Caps vs. Large Caps 1-year



Normalized As Of 12/31/2019  
 Daily 12/31/2019 - 1/12/2021  
 Total Return Index (Gross Dividends)  
 ■ iShares Russell 2000 ETF 27.058  
 ■ SPDR S&P 500 ETF Trust 19.8961



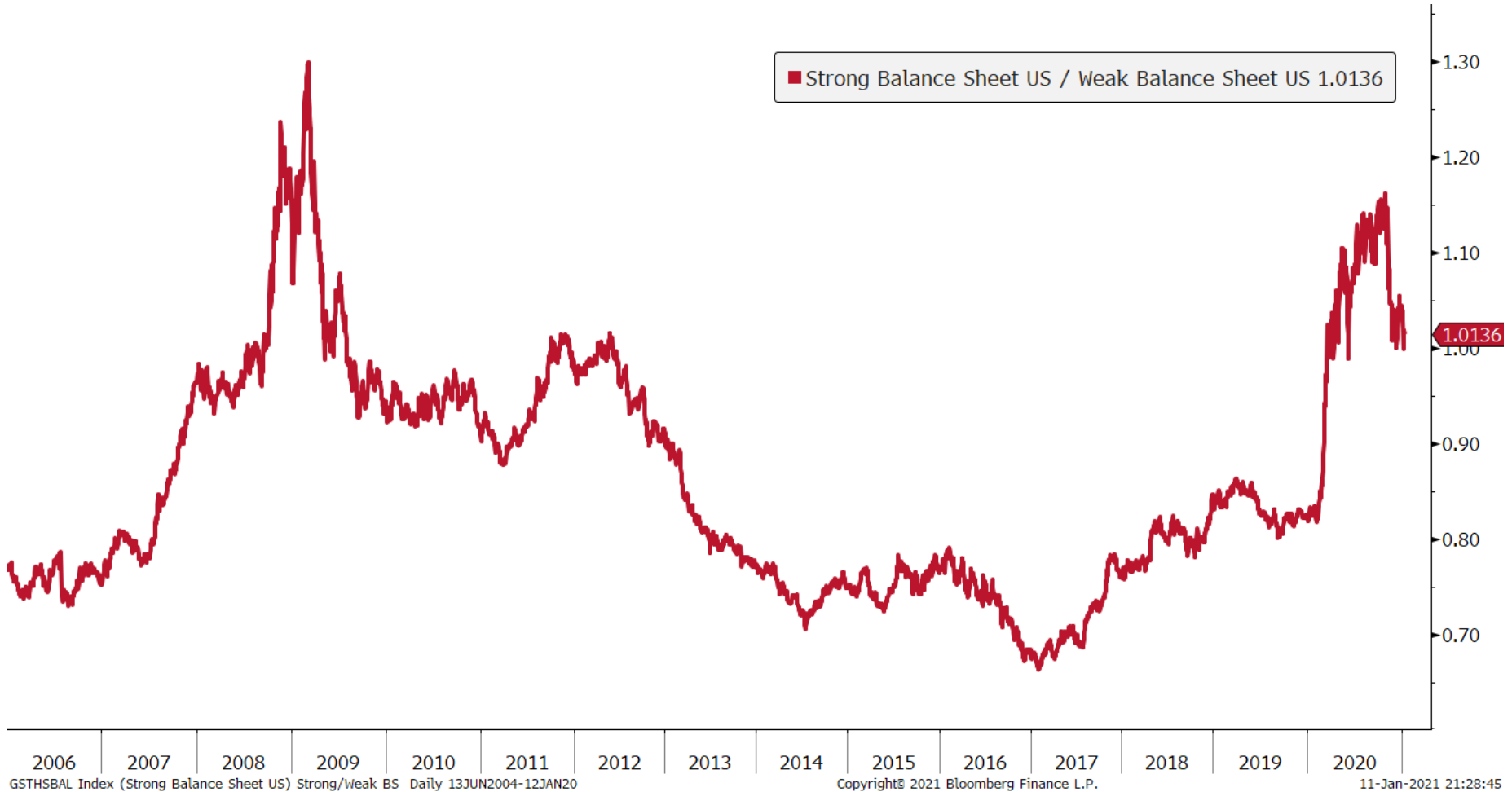
IWM US Equity (iShares Russell 2000 ETF) IWM vs. SPY Daily 31DEC2019-12JAN2021

Copyright© 2021 Bloomberg Finance L.P.

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Source: Bloomberg, DoubleLine  
 Please see appendix for ETF descriptions.

# Goldman Sachs Strong vs. Weak Balance Sheet Equity Basket



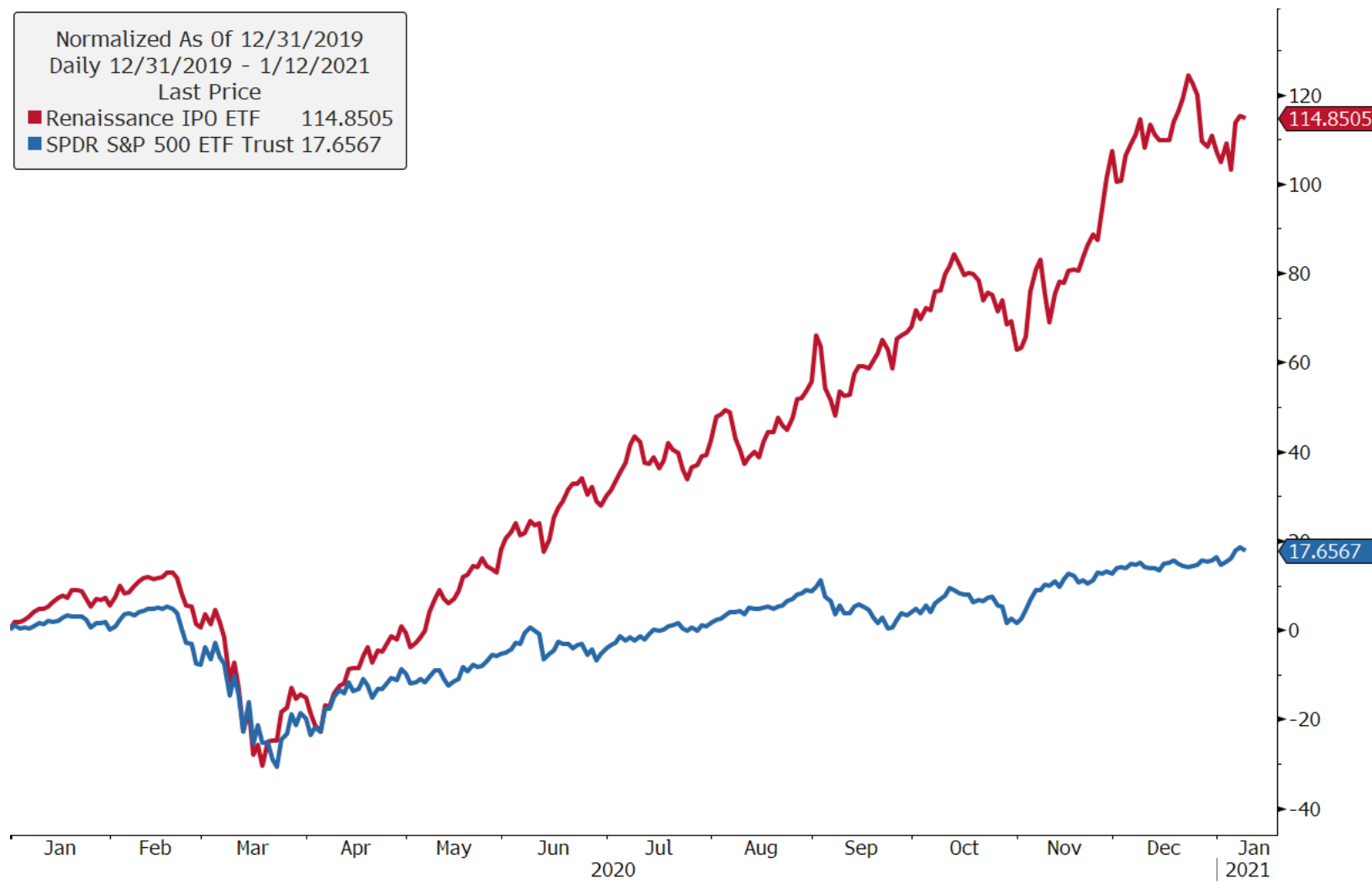
Source: Bloomberg, DoubleLine

Goldman Sachs Index based on S&P 500 balance sheets. Please see appendix for Index definition. You cannot invest directly in an index. P/E = Price/Earnings.

# IPO Mania



Normalized As Of 12/31/2019  
Daily 12/31/2019 - 1/12/2021  
Last Price  
■ Renaissance IPO ETF 114.8505  
■ SPDR S&P 500 ETF Trust 17.6567



IPO US Equity (Renaissance IPO ETF) IPO vs. SPY Daily 31DEC2019-12JAN2021

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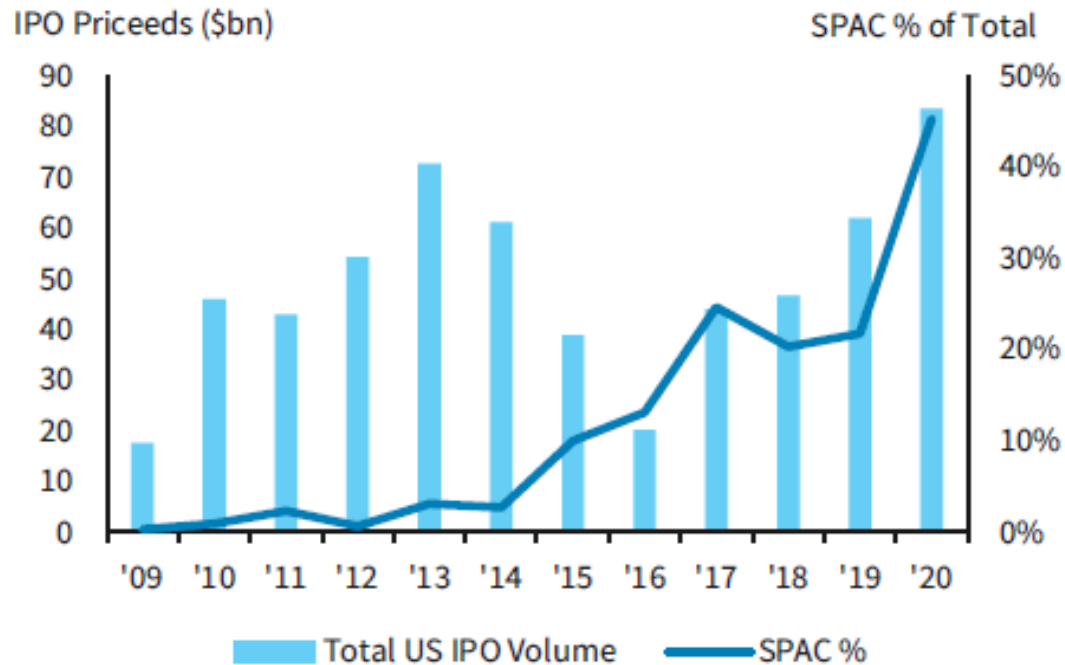
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Source: Bloomberg, DoubleLine  
Please see appendix for ETF descriptions.

# SPAC Size Relative to IPO Market



FIGURE 4. SPACs Taking Larger Share of IPO Market

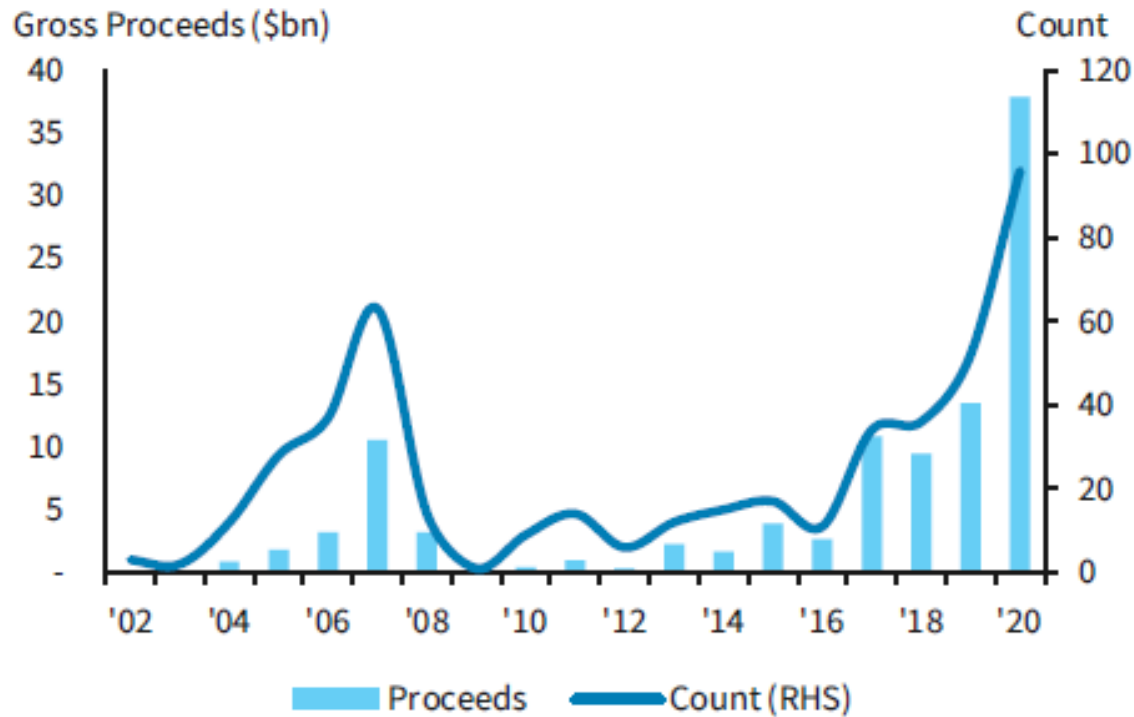


Note: Based on US IPOs that are priced, approved, trading, or pending and aggregated by pricing date.  
Source: Bloomberg, Barclays Research

Data Source: Bloomberg, Barclays  
SPAC = Special Purpose Acquisition Company

# SPAC Volume at a Record

FIGURE 1. 2020 is Largest SPAC Volume Year on Record



Source: Bloomberg, Barclays Research

Data Source: Bloomberg, Barclays  
SPAC = Special Purpose Acquisition Company. RHS = Right hand side.

# Zombie Corporations

## Attack of the zombie corporation

% of US small-cap groups with interest greater than profits for at least three years



Data based on the Leuthold 2000 index (a Russell 2000 equivalent)  
Source: The Leuthold Group  
© FT

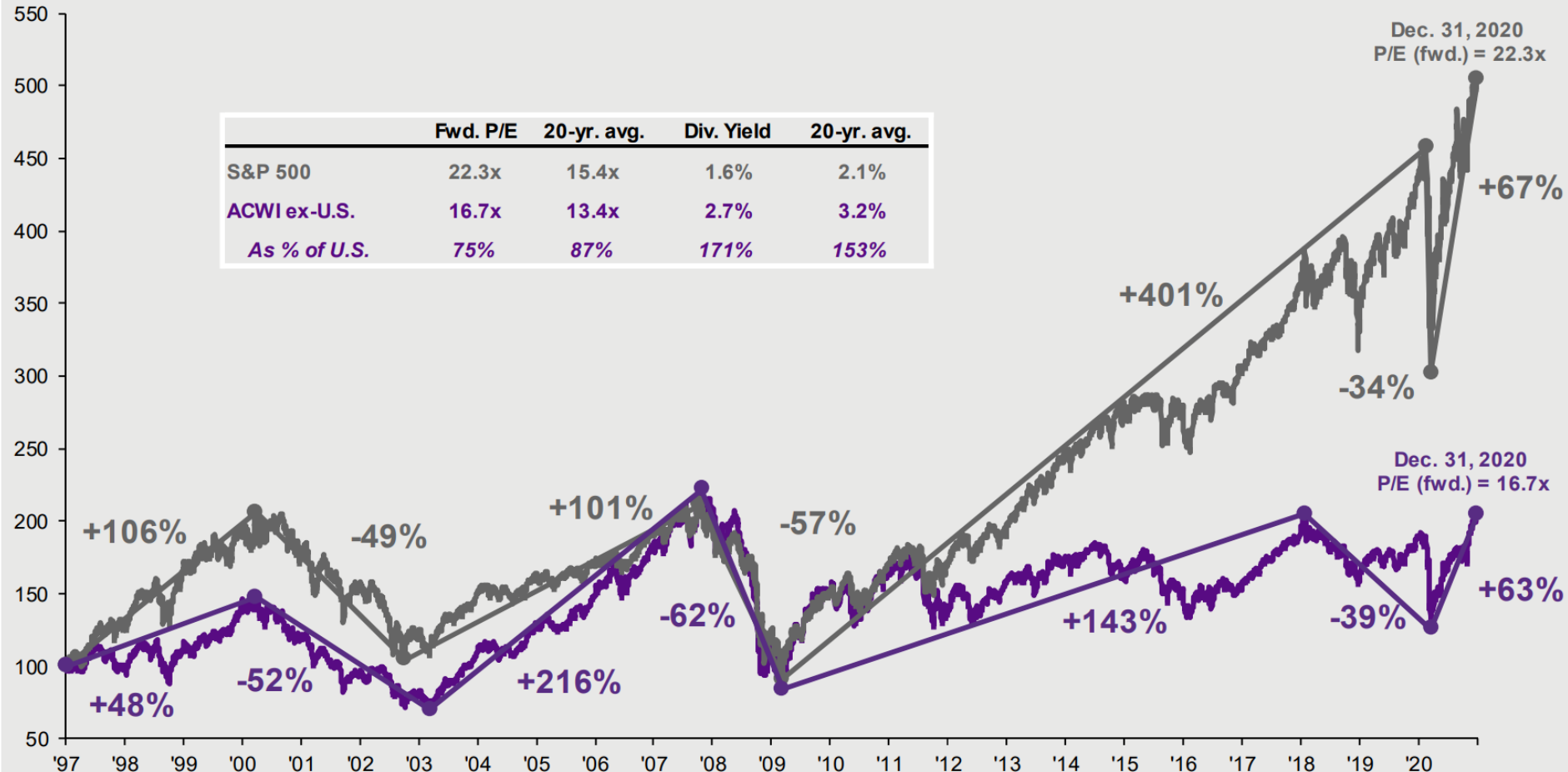
# U.S. Stocks vs. Non-U.S. Stocks

As of December 31, 2020



## MSCI All Country World ex-U.S. and S&P 500 Indices

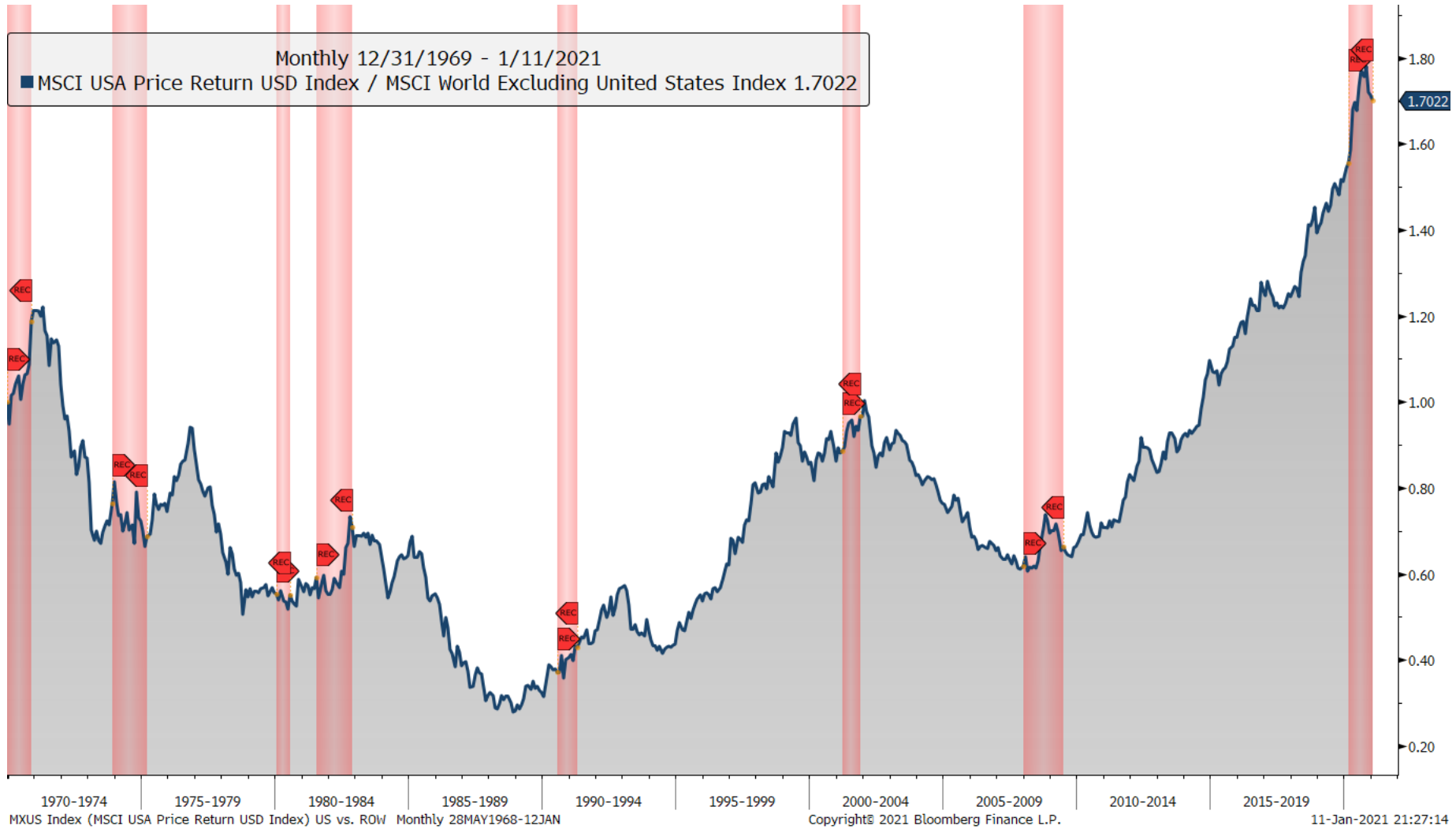
Dec. 1996 = 100, U.S. dollar, price return



Source: FactSet, MSCI, Standard & Poor's, J.P. Morgan Asset Management.

Source: Guide to the Markets by JPMorgan, Q1-2021. Please see the appendix for index definitions. You cannot invest directly in an index.

# U.S. Equity Prices vs. Rest of World



Source: Bloomberg; DoubleLine

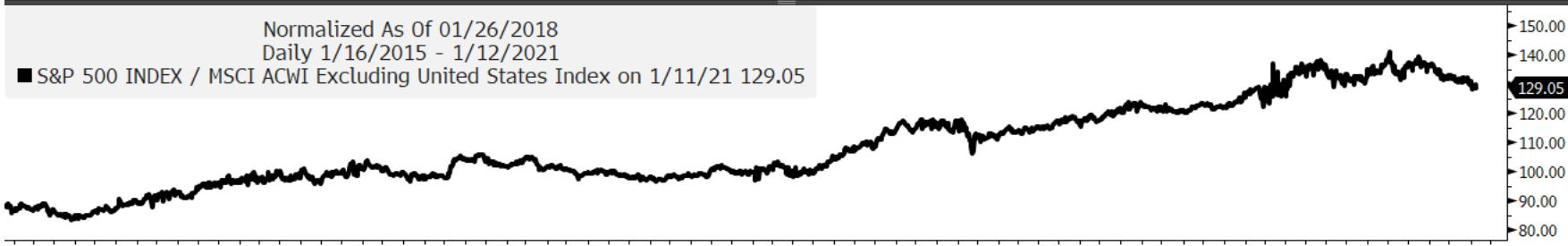
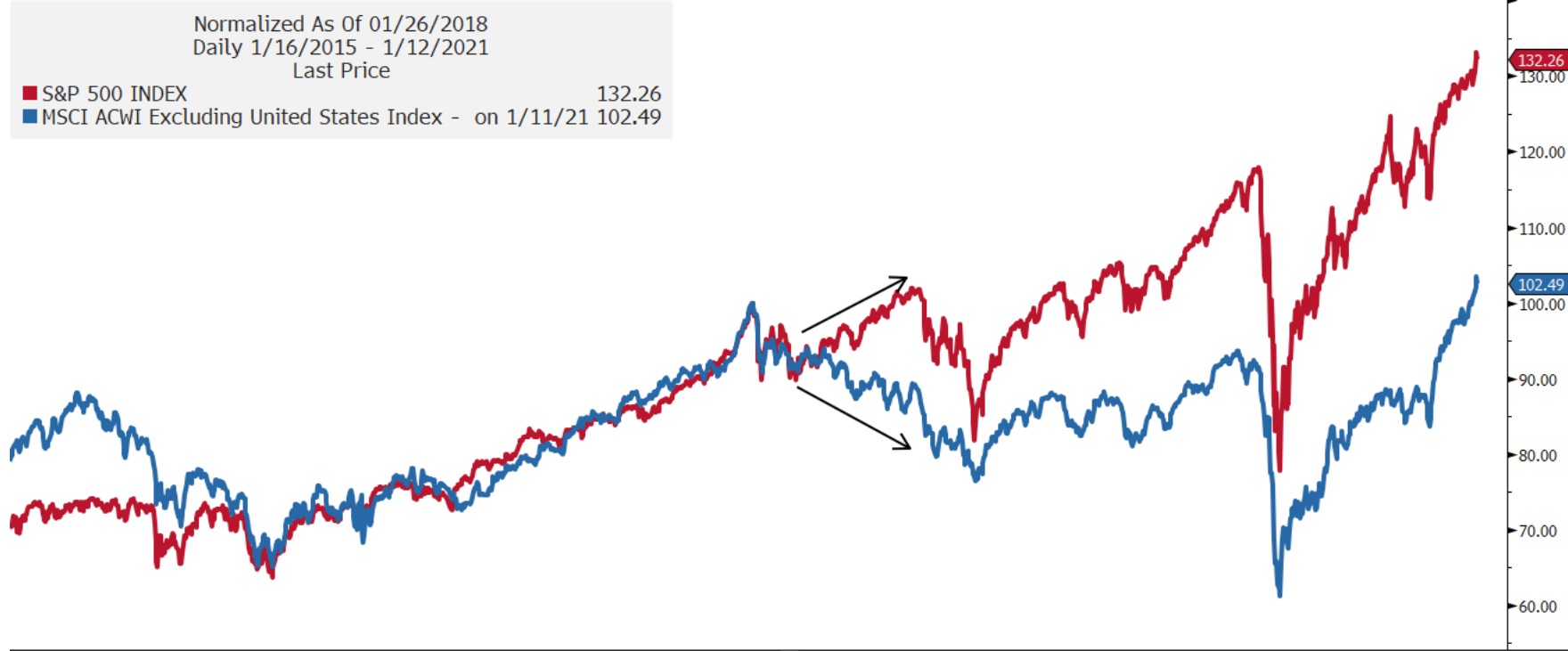
Please see appendix for index definitions. MSCI World Index is MSCI ACWI Index. You cannot invest directly in an index. Red shaded areas represent recessionary periods.

# S&P 500 vs. MSCI ACWI (ex-US) Normalized 1/26/18



Normalized As Of 01/26/2018  
 Daily 1/16/2015 - 1/12/2021  
 Last Price

■ S&P 500 INDEX 132.26  
 ■ MSCI ACWI Excluding United States Index - on 1/11/21 102.49



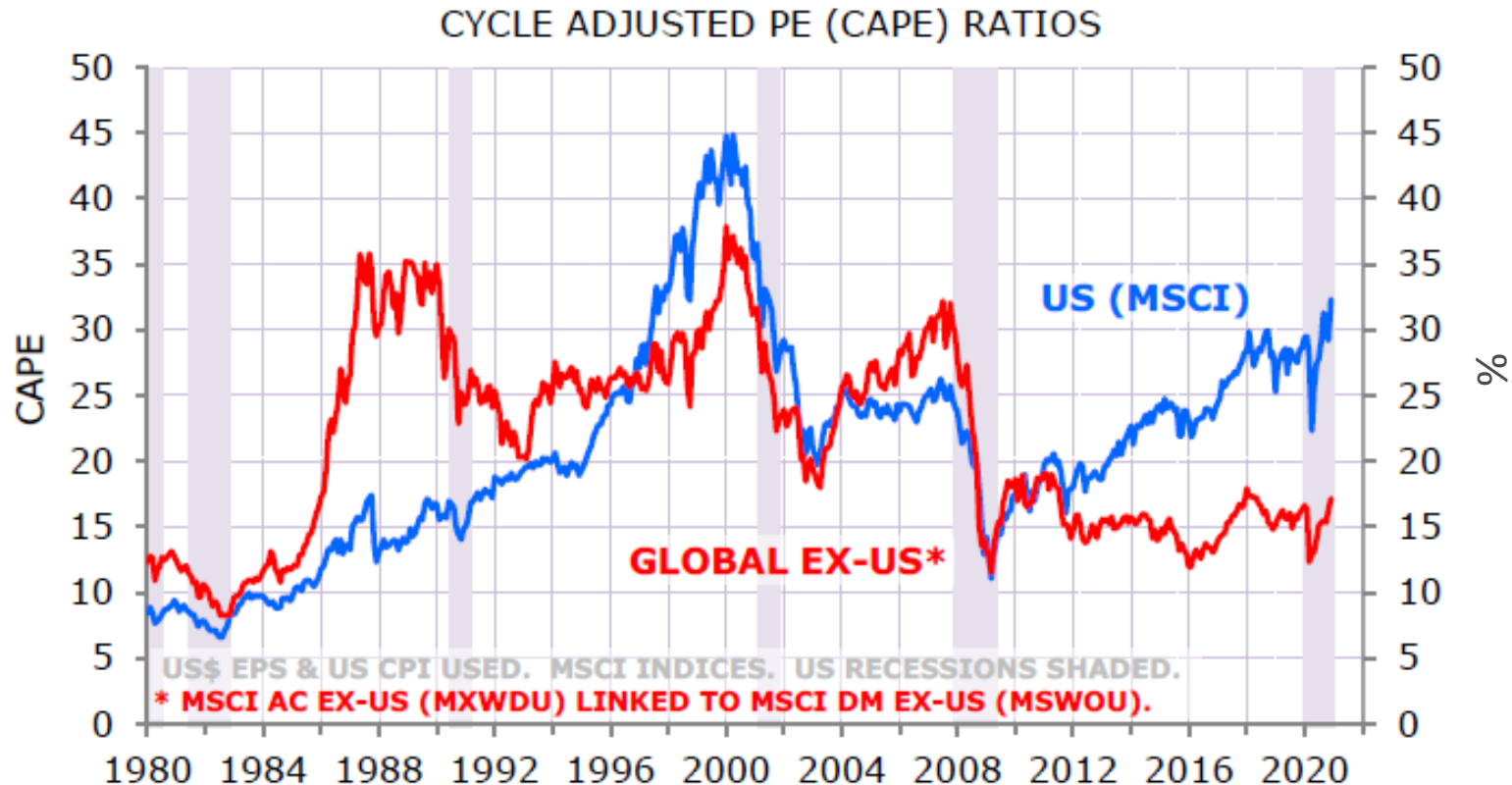
SPX Index (S&P 500 INDEX) SPX v. ACWI ex-US (1/18) Daily 16JAN2015-12JAN2021 Copyright© 2021 Bloomberg Finance L.P. 11-Jan-2021 21:27:25

Source: Bloomberg, DoubleLine  
 S&P 500 is the stock market index that tracks the stocks of 500 large-cap U.S. companies. MSCI ACWI ex US Index is a free-float weighted index which includes emerging and developed world markets ex-US. You cannot invest directly in an index.

# U.S. vs. Global ex-US Equities: CAPE

## Exhibit 9

### Global equities are half a bargain



Source: MSCI, BLS, NBER; Minack Advisors

MSCI ACWI Index = This market capitalization-weighted index is designed to provide a broad measure of stock performance throughout the world. It comprises stocks from 23 developed countries 24 and emerging markets. You cannot invest directly in an index. CAPE = Cyclically Adjusted Price/Earnings (PE).

# Global Mega Caps



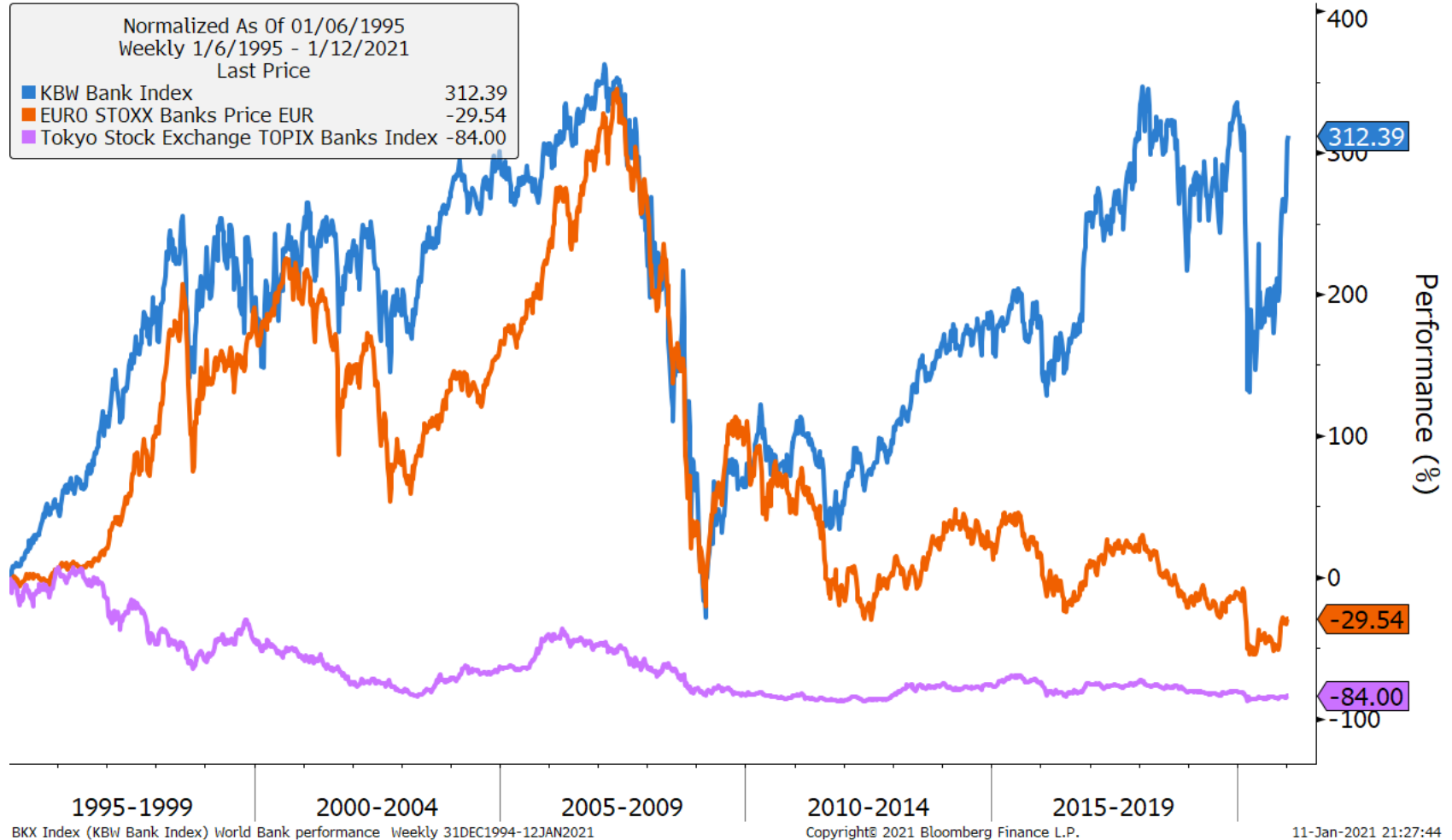
Source: DoubleLine, Bloomberg

Down Jones Global Titans 50 Index is float-adjusted index of 50 of the largest and best known blue chip companies traded on the NYSE, American Stock Exchange, NASDAQ, Euronext, London Stock Exchange and Tokyo Stock Exchange. You cannot invest directly in an index. SMAV = Moving Average.

# Global Bank Stocks



## World Banks Over The Last 25 Years



Source: Bloomberg, Bianco

KBW Bank Index = Keefe, Bruyette and Woods (KBW) Nasdaq Bank Index is a stock index of the banking sector. Please see appendix for index definitions. You cannot invest directly in an index.

# S&P 500/ MSCI Europe (3 years)



Daily 1/8/2018 - 1/12/2021  
■ S&P 500 INDEX / MSCI Europe Index on 1/11/21 28.0683



SPX Index (S&P 500 INDEX) SPX vs MSCI Europe Daily 07JAN2018-12JAN2021

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11-Jan-2021 21:27:56

Source: Bloomberg, DoubleLine

S&P 500 is the stock market index that tracks the stocks of 500 large-cap U.S. companies. MSCI Europe Index This index is U.S. dollar denominated and represents the performance of large- and mid-cap equities across 15 developed countries in Europe. It covers approximately 85% of the free float-adjusted market capitalization in each country. You cannot invest directly in an index.

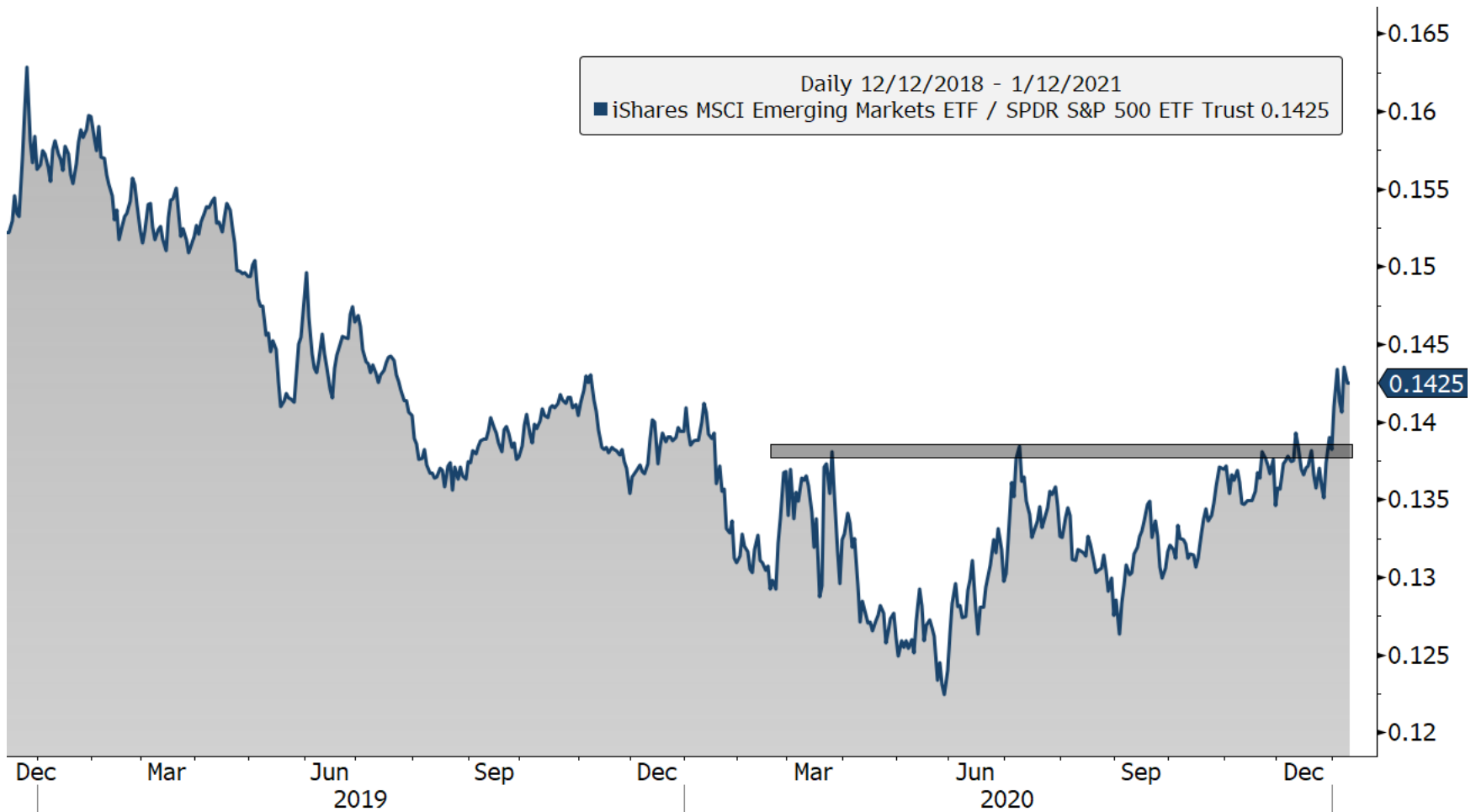
# MSCI Emerging Markets



Source: DoubleLine, Bloomberg

MSCI EM Index = This index captures large- and mid-cap representation across 26 emerging markets countries. With 1,385 constituents, the index covers approximately 85% of the free-float-adjusted market capitalization in each country. You cannot invest directly in an index.

# EEM vs. SPY



EEM US Equity (iShares MSCI Emerging Markets ETF) EEM / SPY Daily 12DEC2018-12J

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11-Jan-2021 21:28:13

Source: DoubleLine, Bloomberg  
Please see appendix for ETF descriptions..

# S&P 500 vs. MSCI EM Normalized to 1/26/18

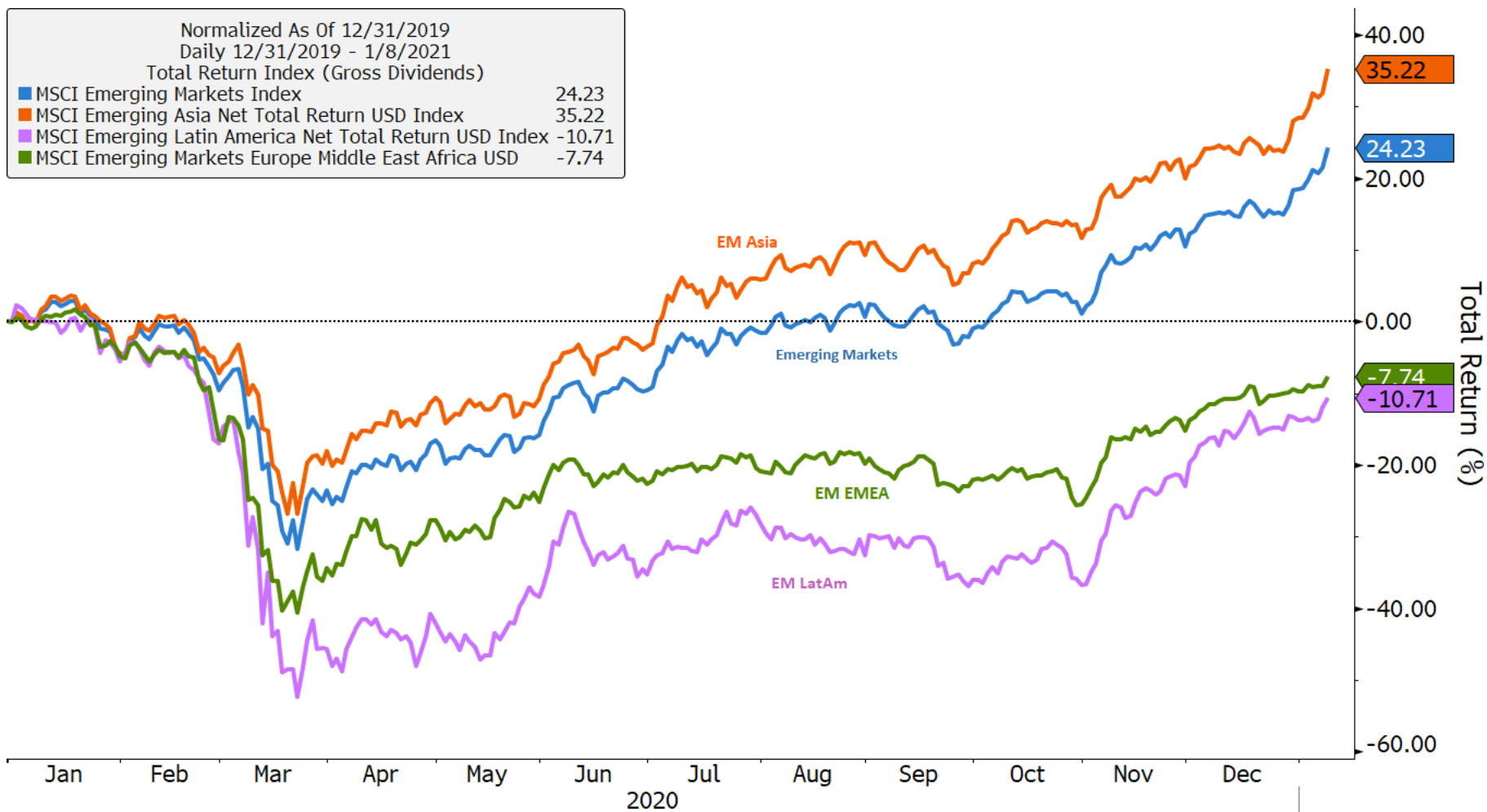


Source: Bloomberg, DoubleLine  
S&P 500 is the stock market index that tracks the stocks of 500 large-cap U.S. companies. MSCI Emerging Markets Index is free-float equity index that captures large and mid cap representation across Emerging Markets countries. You cannot invest directly in an index.

# MSCI EM Regional Equity Performance



Normalized As Of 12/31/2019	
Daily 12/31/2019 - 1/8/2021	
Total Return Index (Gross Dividends)	
■ MSCI Emerging Markets Index	24.23
■ MSCI Emerging Asia Net Total Return USD Index	35.22
■ MSCI Emerging Latin America Net Total Return USD Index	-10.71
■ MSCI Emerging Markets Europe Middle East Africa USD	-7.74



MXEF Index (MSCI Emerging Markets Index) MSCI EM YTD Perf Daily 31DEC2019-10JAN

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11-Jan-2021 21:31:51

MSCI ACWI Index is a market capitalization-weighted index is designed to provide a broad measure of stock performance throughout the world. It comprises stocks from 23 developed countries 24 and emerging markets. Each of these regions is a subset of the MSCI ACWI Index. You cannot invest directly in an index.

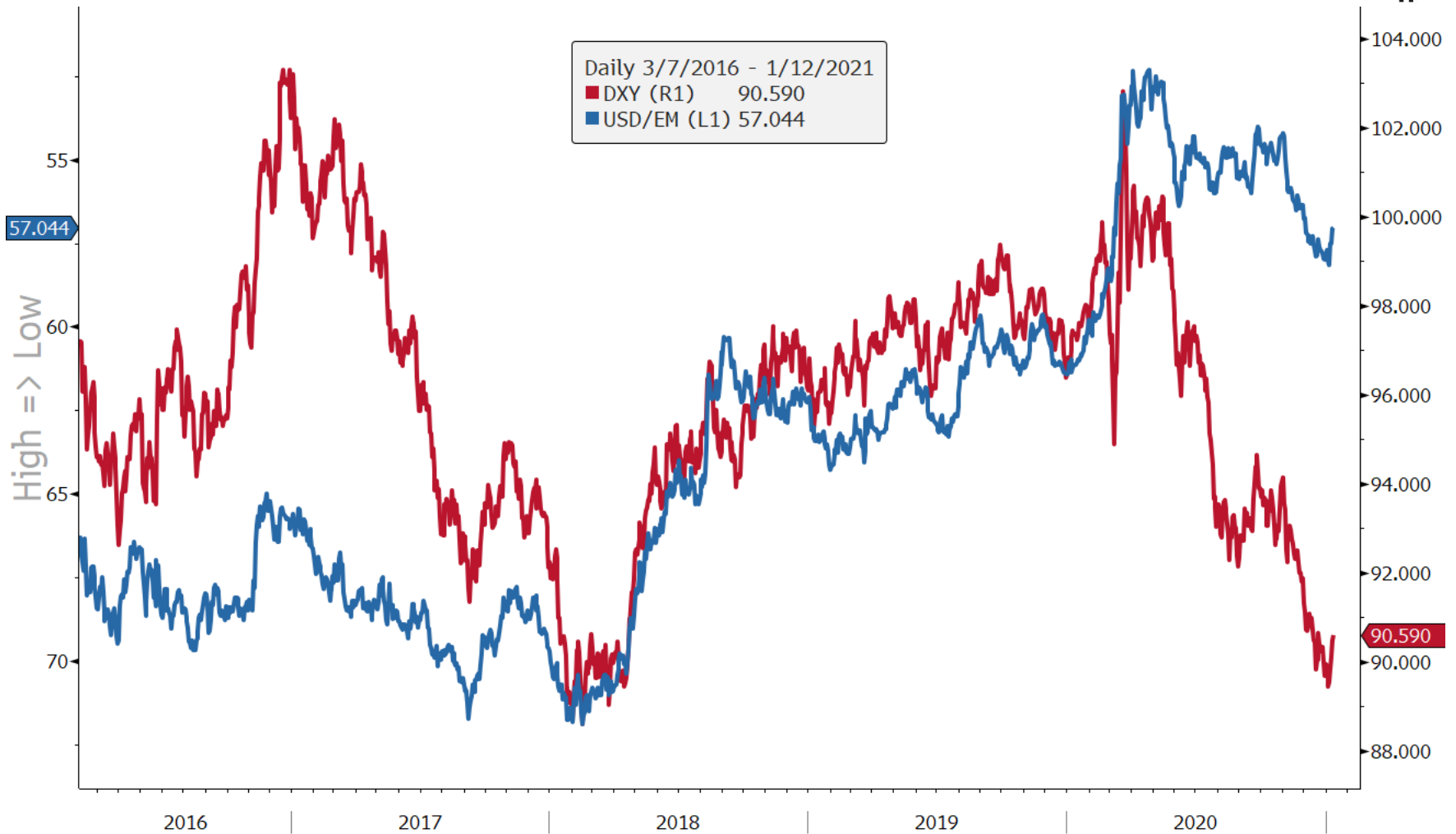
# Korean Stock Exchange (KOSPI)



Source: DoubleLine, Bloomberg

KOSPI = Korean Stock Exchange Index is a capitalized-weighted index of all common shares on the Korean stock exchange. SMAVG = Moving Average. You cannot invest directly in an index.

# DXY and USD/EM Performance



DXY Curncy (DOLLAR INDEX SPOT) DXY vs. TWI Daily 05MAR2016-12JAN2021

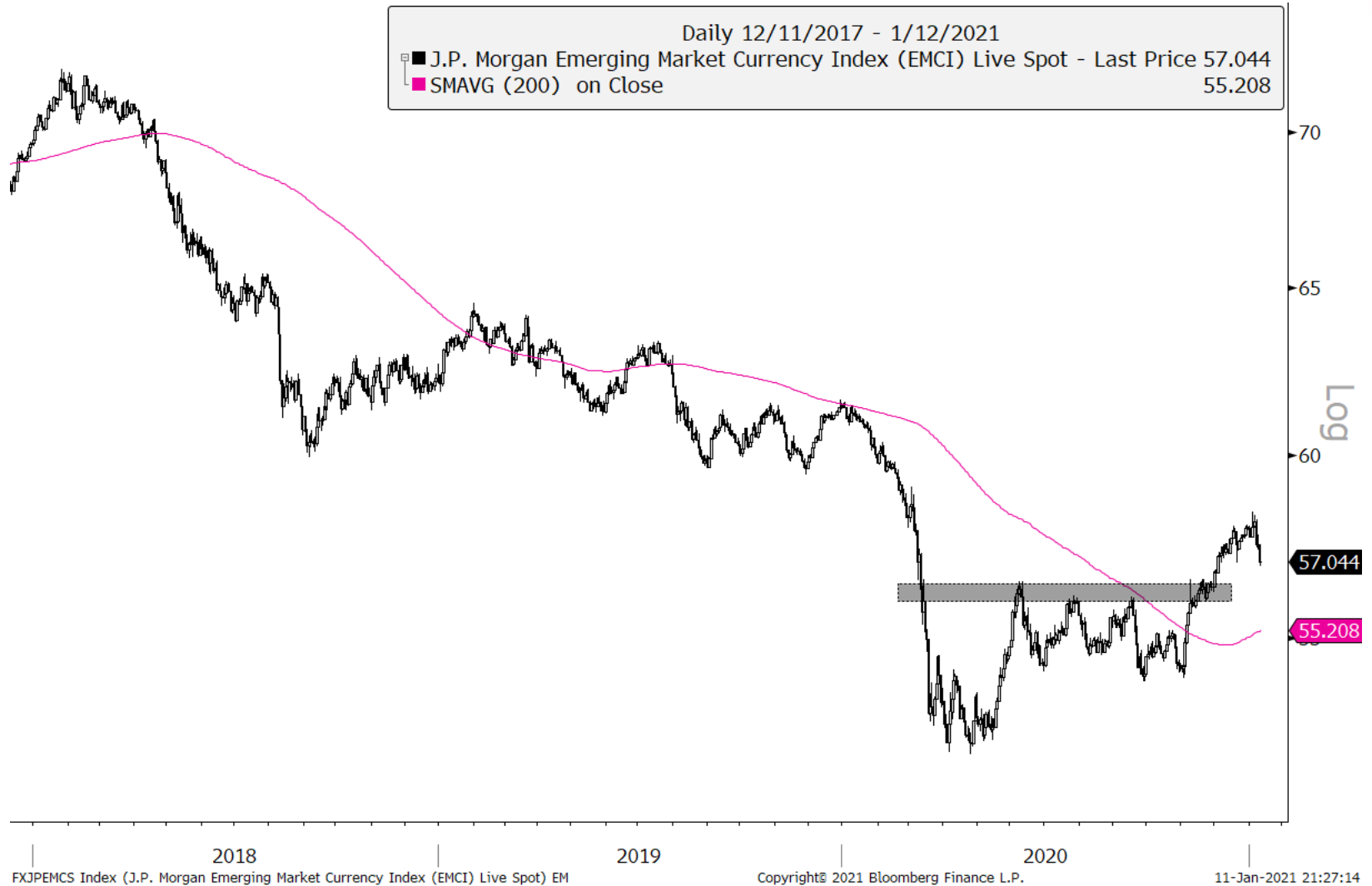
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11-Jan-2021 21:27:05

Source: Bloomberg; DoubleLine

DXY = U.S. dollar value relative to a basket of foreign currencies. EM = Is the JPM EM FX Index comprised of Turkish Lira (TRY) is 8.33%, Russian Ruble (RUB) is 8.33%, Hungarian Forint (HUF) is 8.33%, South African Rand (ZAR) is 8.33%, Brazilian Real (BRL) is 11.1%, Mexican Peso (MXN) is 11.1%, Chilean Peso (CLP) is 11.1%, Chinese Yuan (CNH) is 11.1%, Indian Rupee (INR) is 11.1%, Singapore Dollar (SGD) is 11.1% as of January 5, 2021. USD = US Dollar. EM = Emerging Markets.

# Emerging Market FX



Source: Bloomberg, DoubleLine

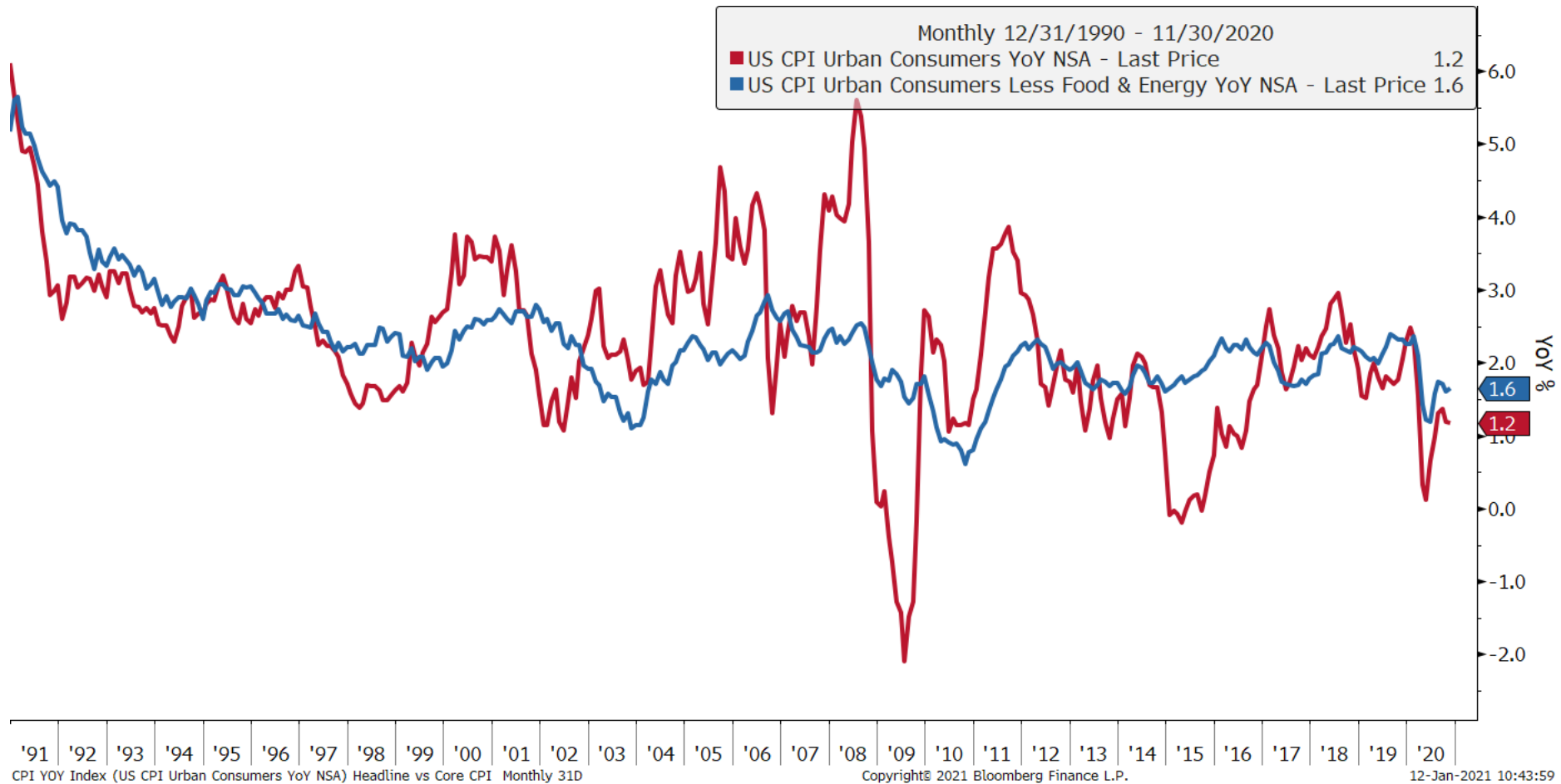
Please see appendix for index definition. FX = foreign exchange. SMAVG = moving average. You cannot invest directly in an index.

# Emerging Markets/MSCI World vs. Industrial Metals



MSCI EM Index = This index captures large- and mid-cap representation across 26 emerging markets countries. With 1,385 constituents, the index covers approximately 85% of the free-float-adjusted market capitalization in each country. S&P GSCI is an index (formerly the Goldman Sachs Commodity Index) measures investment in the commodity markets and commodity market performance over time focusing on the Industrial sector of this index. You cannot invest directly in an index. Red shaded areas indicate a recessionary period.

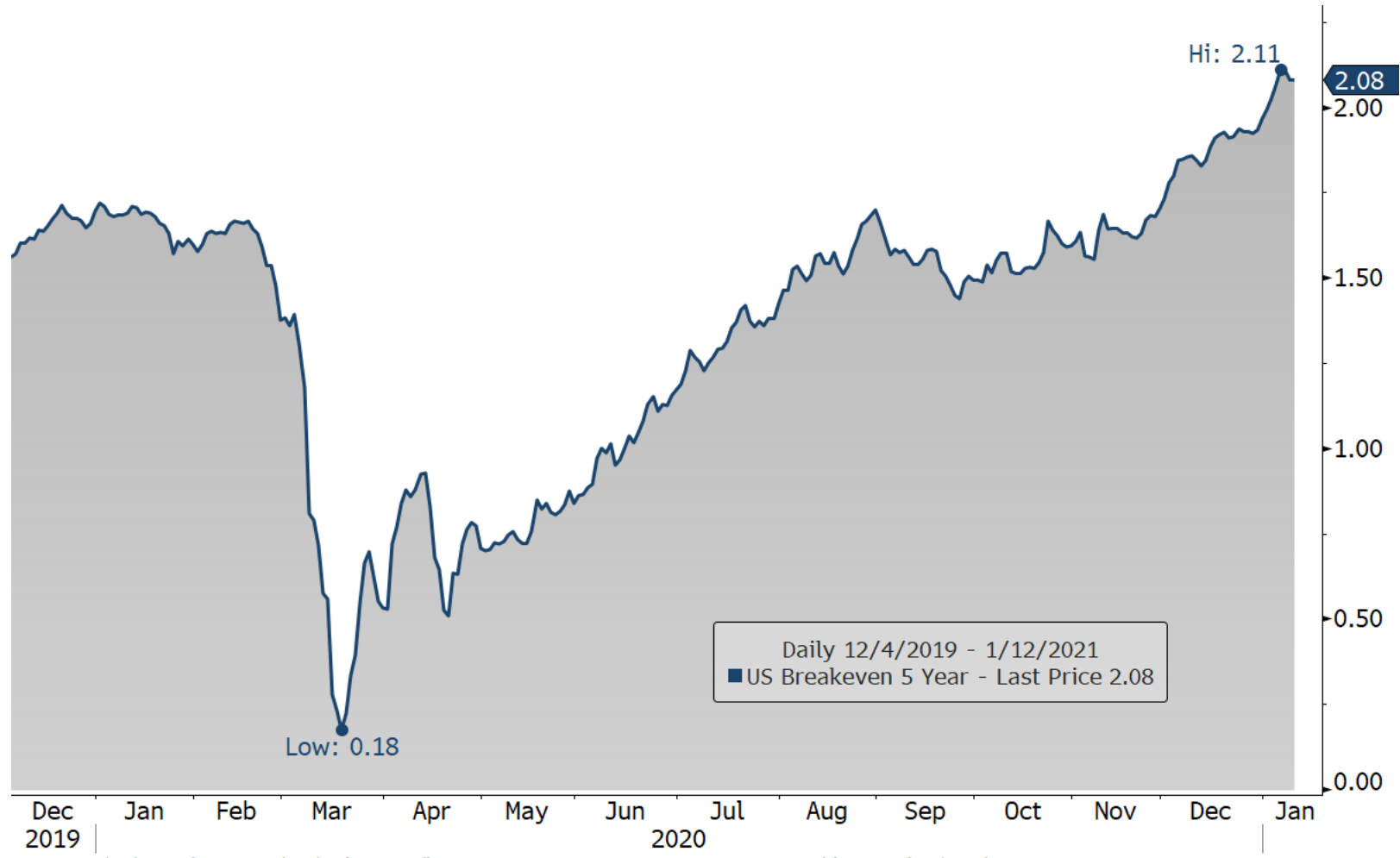
# U.S. Headline and Core CPI (YoY)



Data Source: Bloomberg, DoubleLine

CPI = Consumer Price Index measures the average prices paid by consumers for a market basket of consumer goods and services. You cannot invest directly in an index. YoY = year-over-year. MoM = Month-over=month

# 5-Year Breakevens



Data Source: Bloomberg

# Gold Long Term



Source: Bloomberg, DoubleLine  
 Spot price of gold in troy ounces. SMAVG = moving average.

# Bitcoin



Daily 1/7/2016 - 1/12/2021  
■ Bitcoin - Last Price 35078



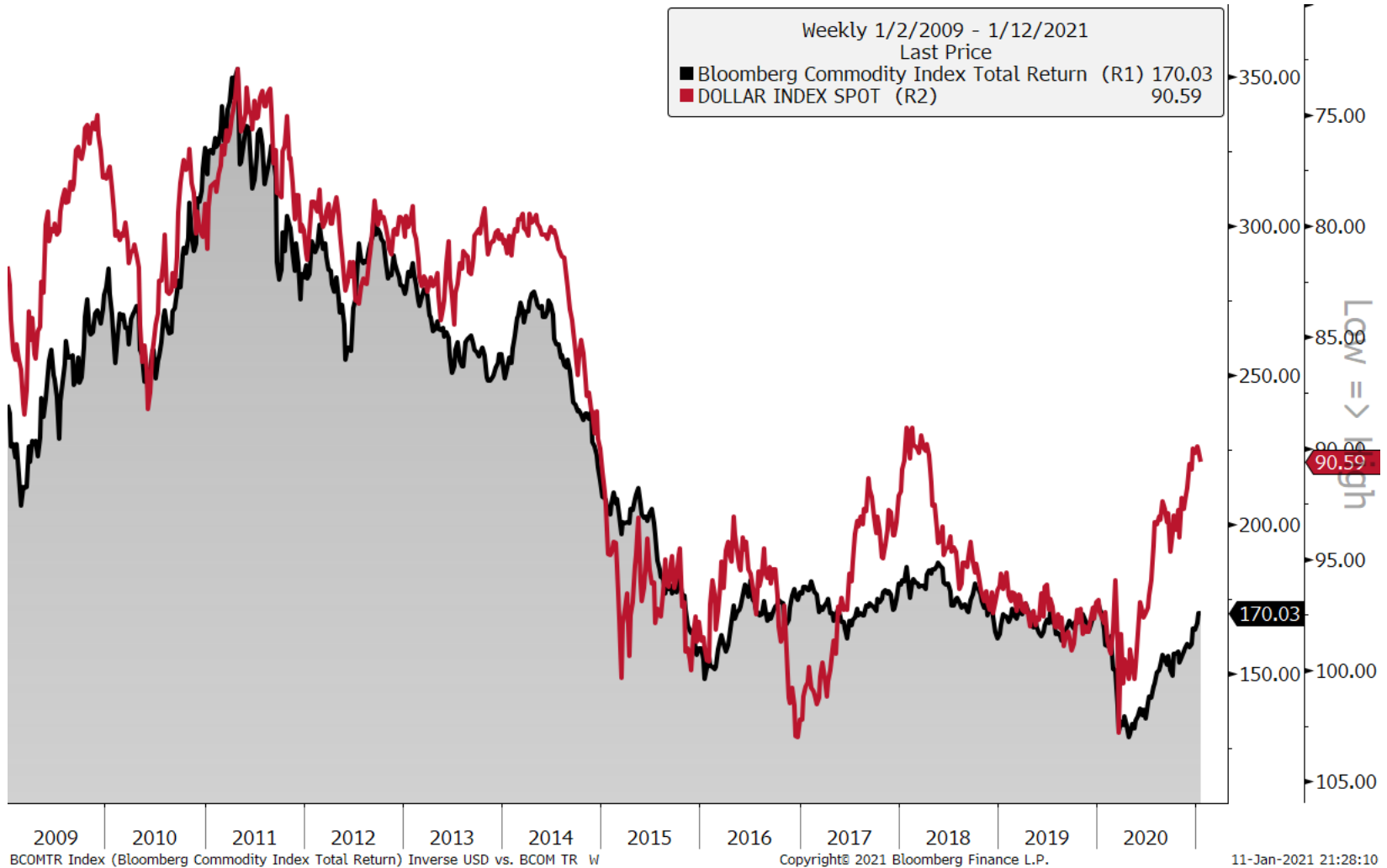
Source: DoubleLine, Bloomberg  
Bitcoin is a digital and global money system currency.

# Bitcoin to Gold Ratio



Source: DoubleLine, Bloomberg  
Bitcoin is a digital and global money system currency.

# Inverse U.S. Dollar vs. Commodities



Source: Bloomberg, DoubleLine

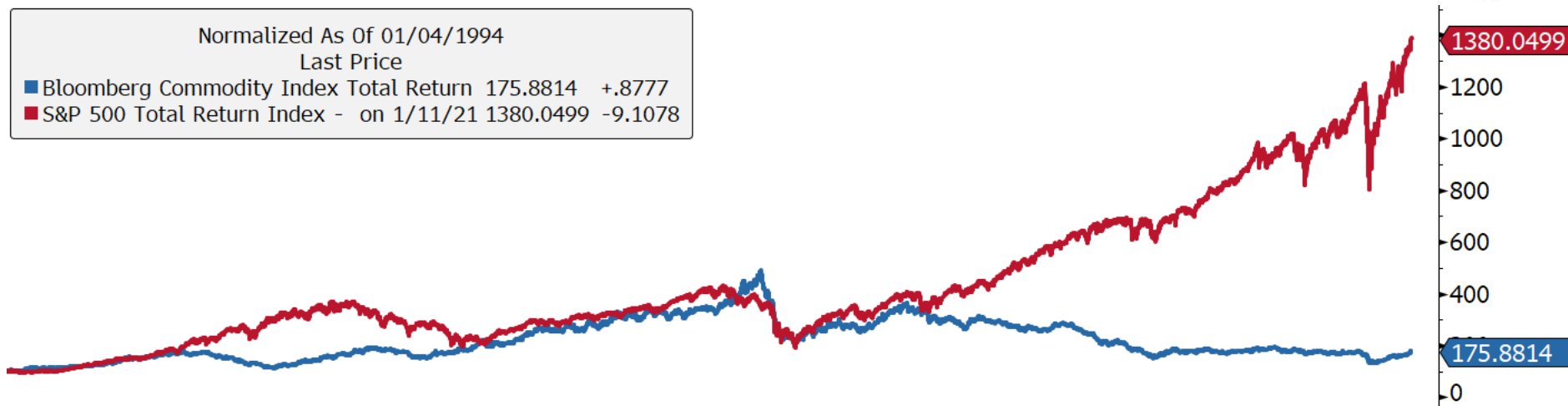
BCOM = Bloomberg Commodity Index is calculated on an excess return basis and reflects commodity futures price movements. DXY = Dollar Spot Index averaged exchange rates between US and major world currencies. You cannot invest directly in an index.

# Commodities Since 1994



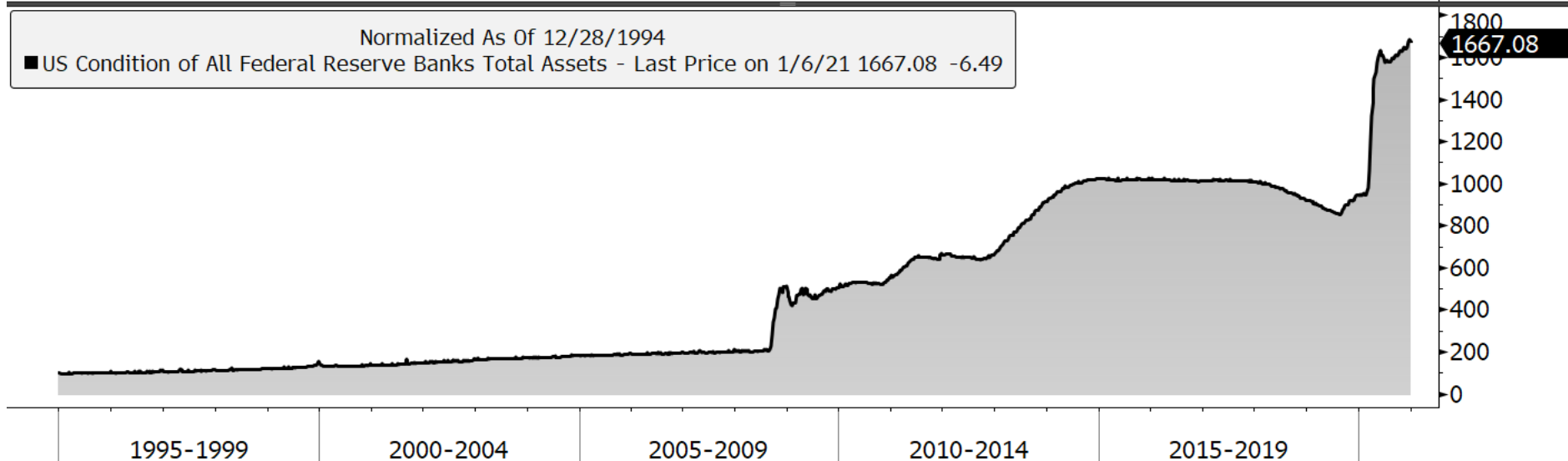
Normalized As Of 01/04/1994  
Last Price

■ Bloomberg Commodity Index Total Return 175.8814 +.8777  
■ S&P 500 Total Return Index - on 1/11/21 1380.0499 -9.1078



Normalized As Of 12/28/1994

■ US Condition of All Federal Reserve Banks Total Assets - Last Price on 1/6/21 1667.08 -6.49



1995-1999

2000-2004

2005-2009

2010-2014

2015-2019

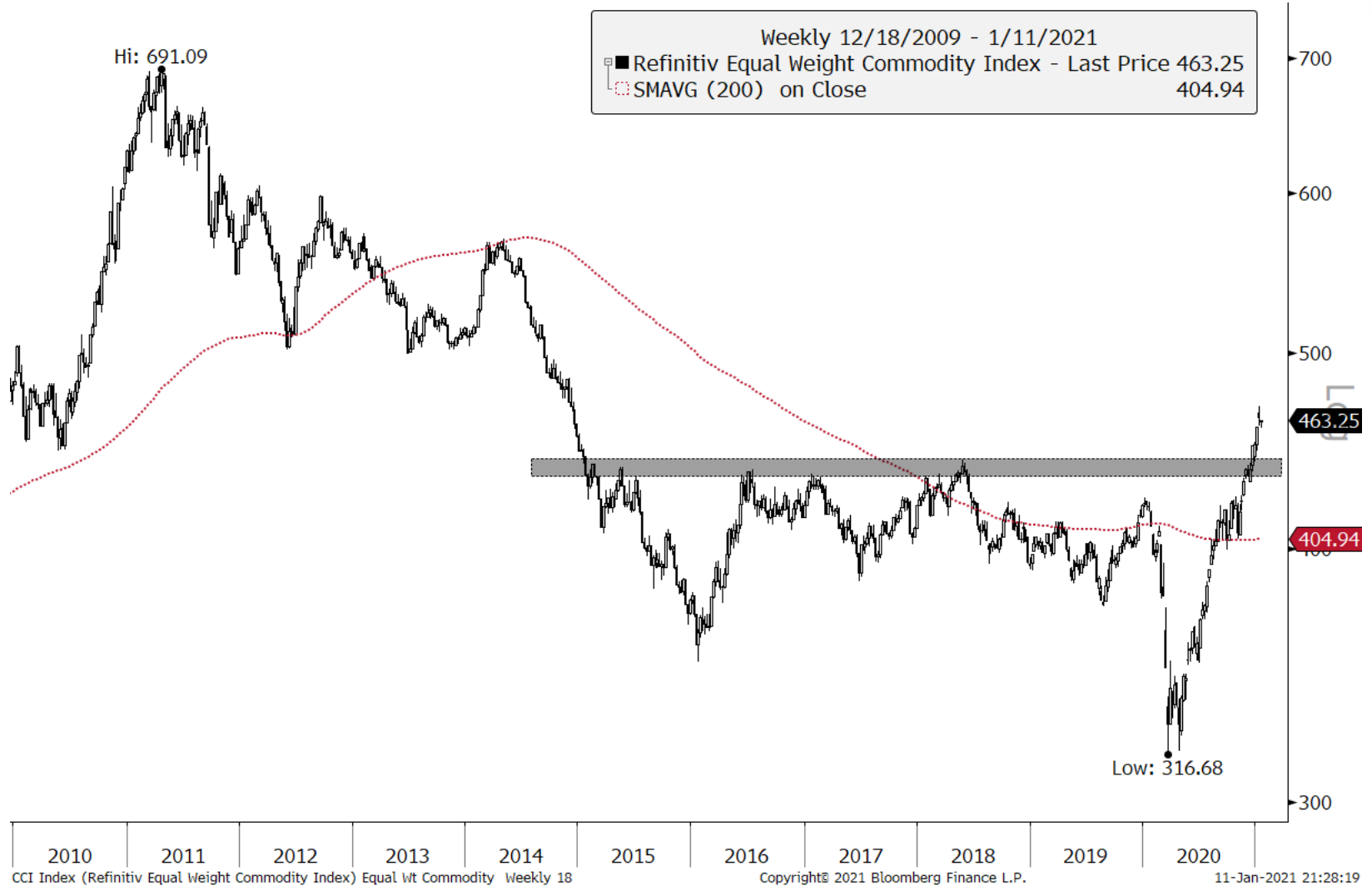
BCOMTR Index (Bloomberg Commodity Index Total Return) BCOM SPX FED BS Daily 04J

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11-Jan-2021 21:45:51

Source: Bloomberg, DoubleLine  
Please see index definitions in the appendix for descriptions. You cannot invest directly in an index.

# Refinitiv Equal Weight Commodity Index



Source: Bloomberg, DoubleLine

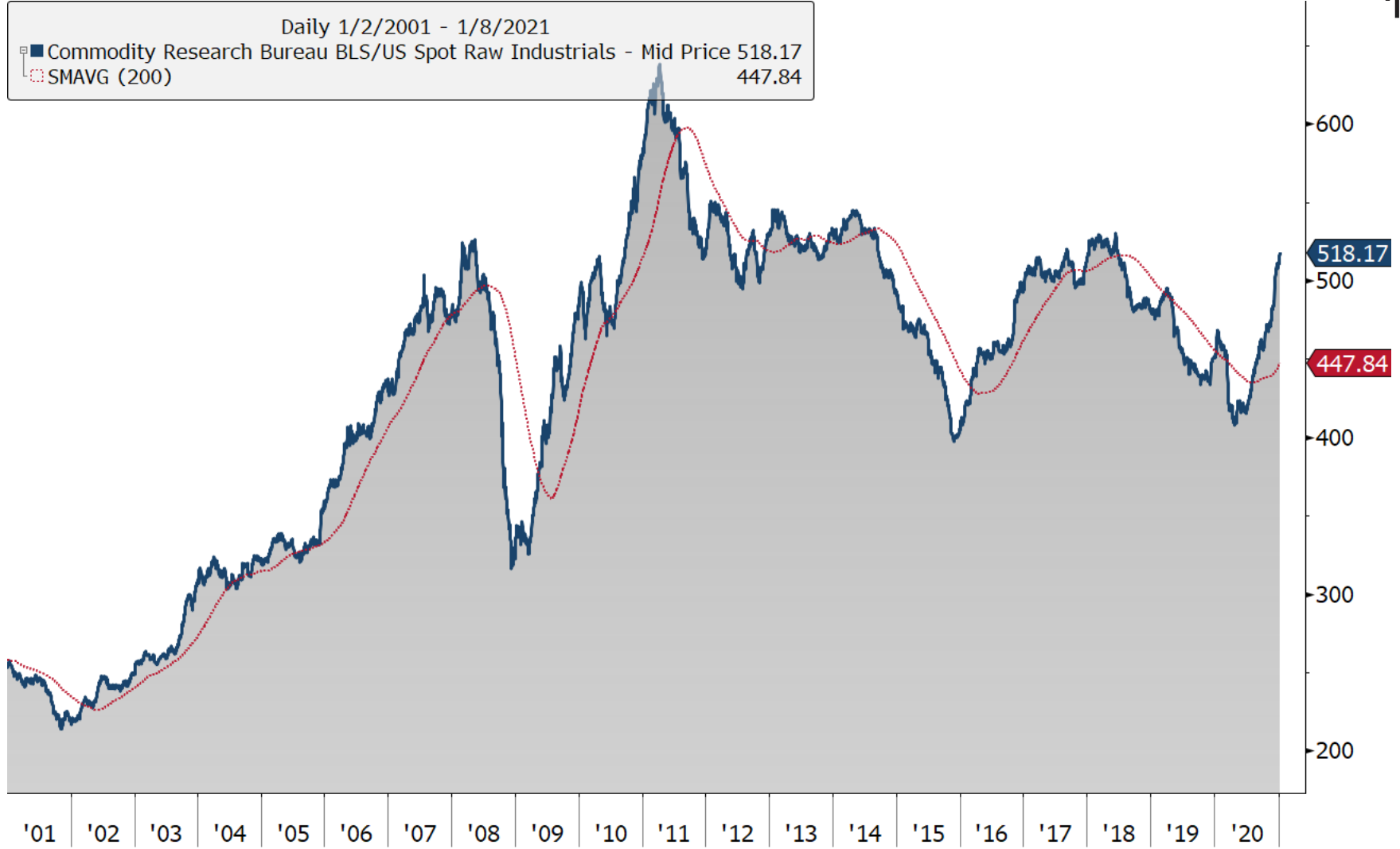
Please see appendix for index definition for Bloomberg Commodities Index. You cannot invest directly in an index. SMAVG = moving average.

# Commodity Research Bureau Raw Industrials



Daily 1/2/2001 - 1/8/2021

■ Commodity Research Bureau BLS/US Spot Raw Industrials - Mid Price 518.17  
 ○ SMAVG (200) 447.84



CRB RIND Index (Commodity Research Bureau BLS/US Spot Raw Industrials) CRB Spot

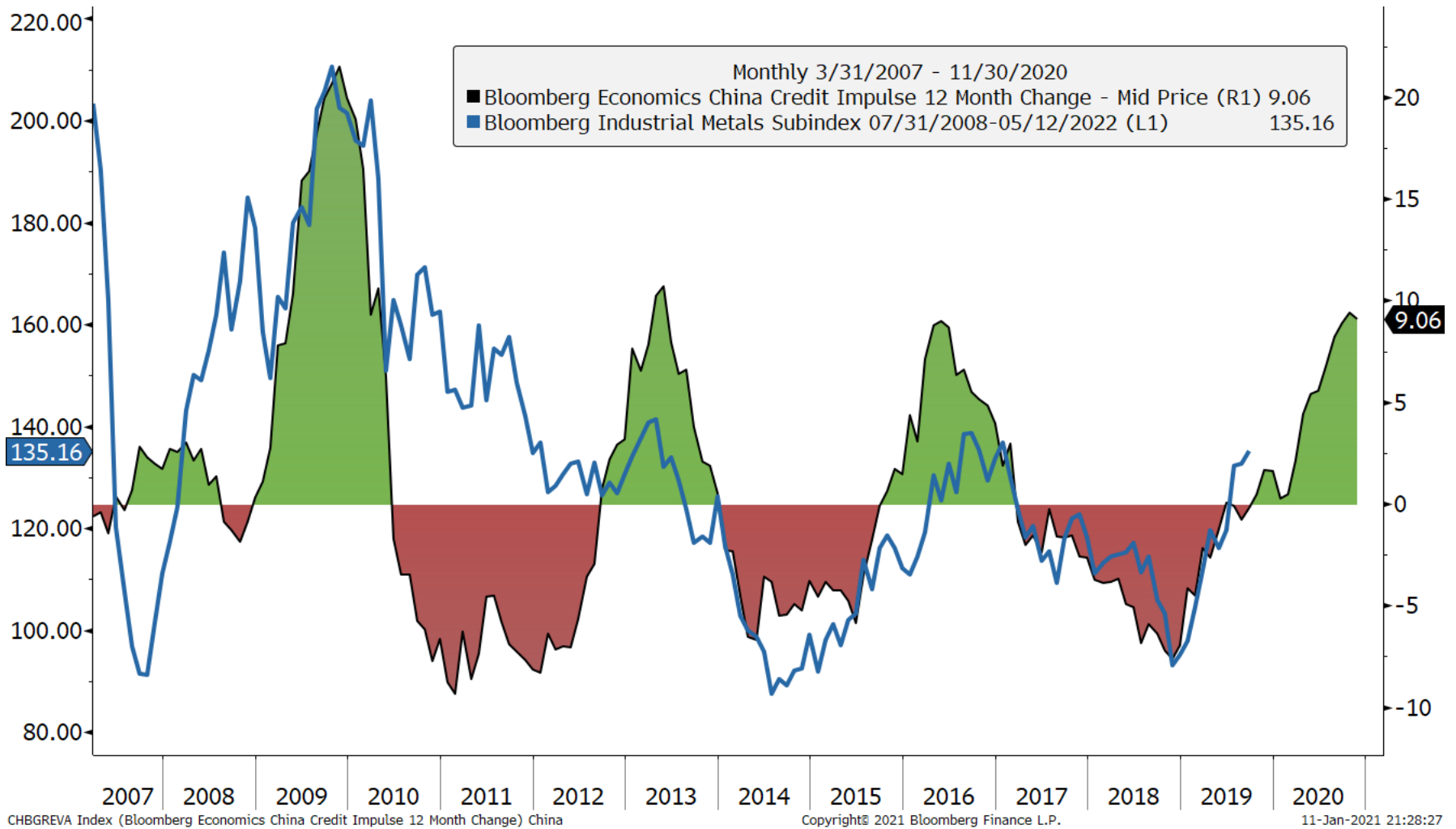
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11-Jan-2021 21:47:08

Source: Bloomberg, DoubleLine

CRB = Commodity Research Bureau Index acts as a representative indicator of today's global commodity markets. It's comprised of a basket of 19 commodities. RIND = Is the Industrial metals components of this CRB composite. You cannot invest directly in an index.

# China Credit Impulse and Industrial Metals



Source: DoubleLine, Bloomberg

Bloomberg Economic China Credit Impulse measures the change in the growth rate of aggregate credit as a percentage of gross domestic product. Bloomberg Industrial Metals Subindex is the metals component of the Bloomberg Commodity index (BCOM). You cannot invest directly in an index.

# BCOM ex Energy



Source: Bloomberg, DoubleLine

Please see appendix for index definition for Bloomberg Commodities Index. Energy is a subset of this index. You cannot invest directly in an index.

# Bloomberg Agriculture (BCOMAG)



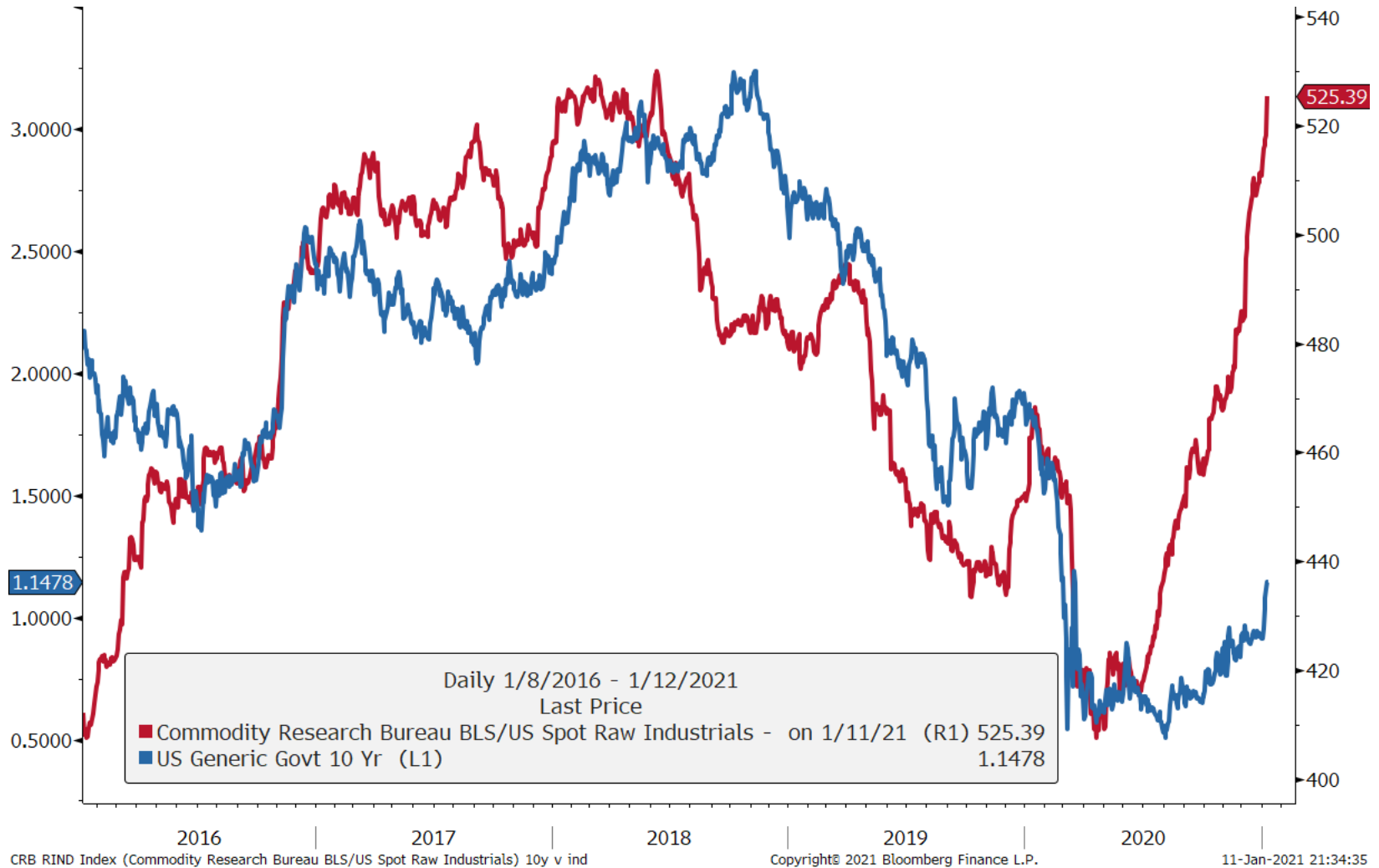
Daily 6/6/2014 - 1/12/2021 甲 ■ BCOMAG Index - Last Price 48.6776 ■ SMAVG (200) 38.7263



Source: Bloomberg, DoubleLine

Please see appendix for index definition for Bloomberg Commodities Index. Agriculture is a subset of this index. You cannot invest directly in an index.

# Commodities and Interest Rates Diverge

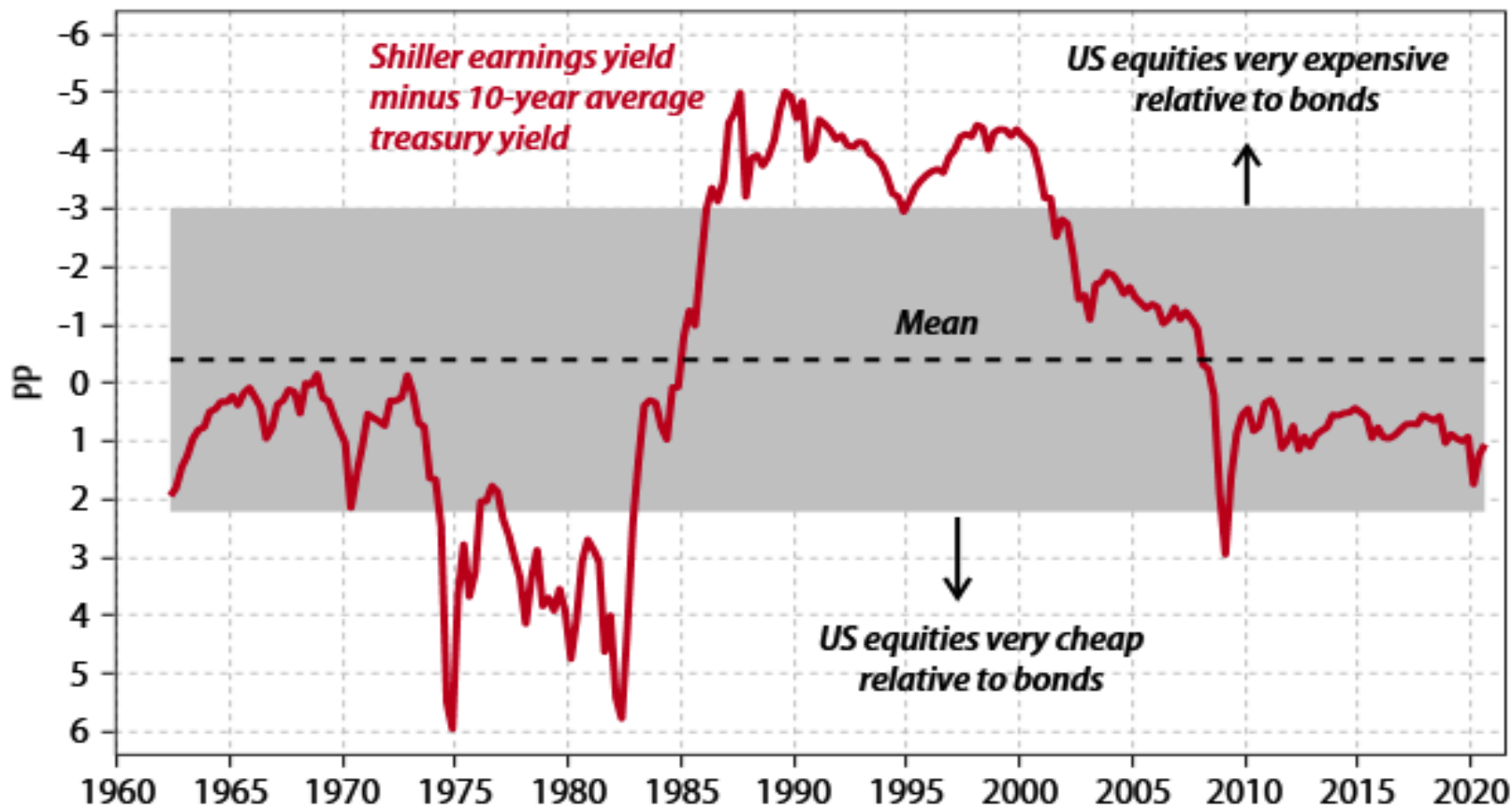


Data Source: Bloomberg, Bianco Research

# Equity is Expensive, but Cheaper than Bonds

**...and are not expensive relative to bonds**

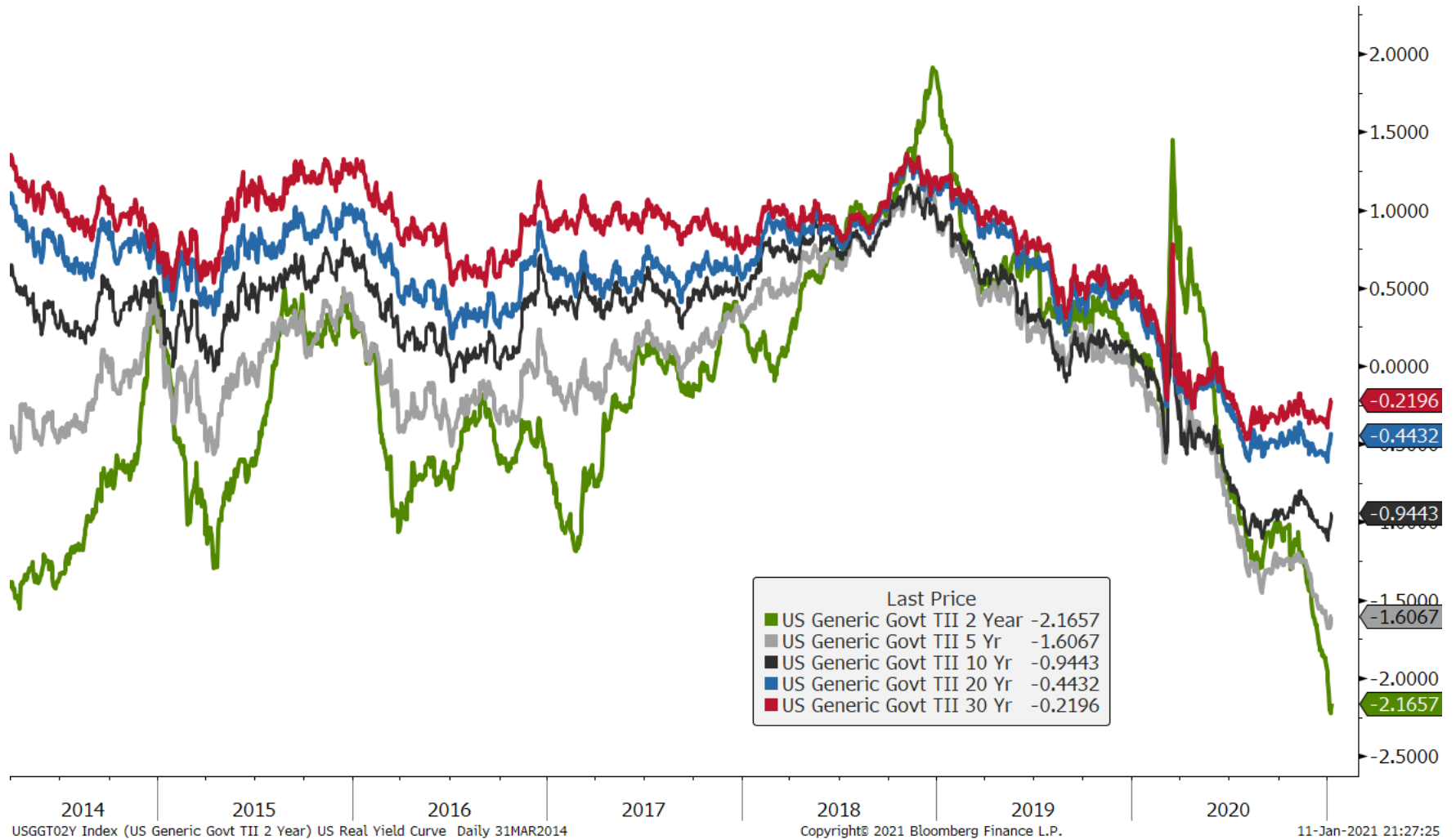
Equity valuation: Shiller earnings-yield minus 10-year average bond yield



Gavekal Research/Macrobond

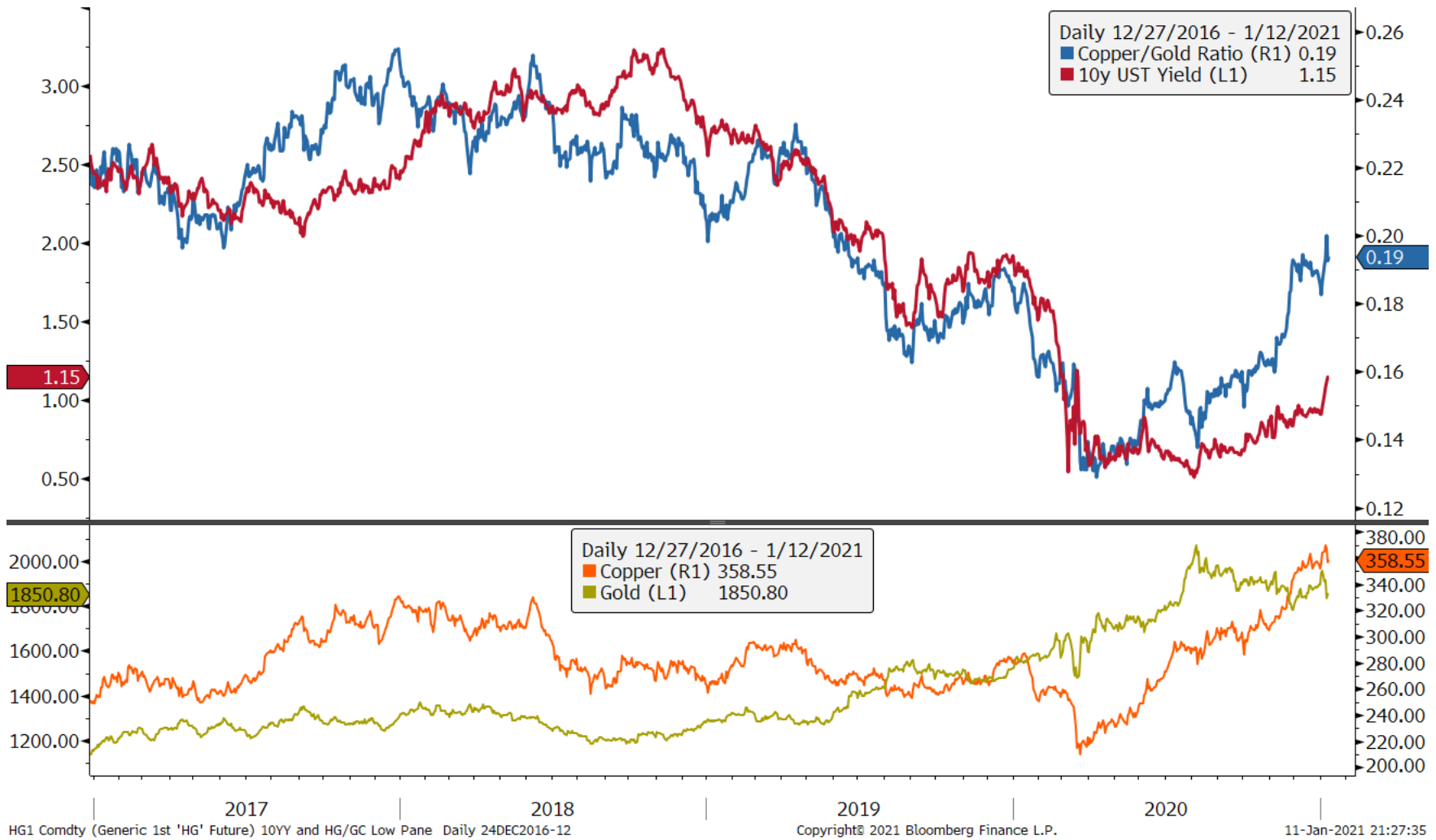
Source: Gavekal  
PP = Percentage Points.

# U.S. Real Yields



Source: Bloomberg, DoubleLine

# Copper/Gold Ratio vs. UST 10-year Yield



Source: Bloomberg

# Fixed Income Net Issuance by Year

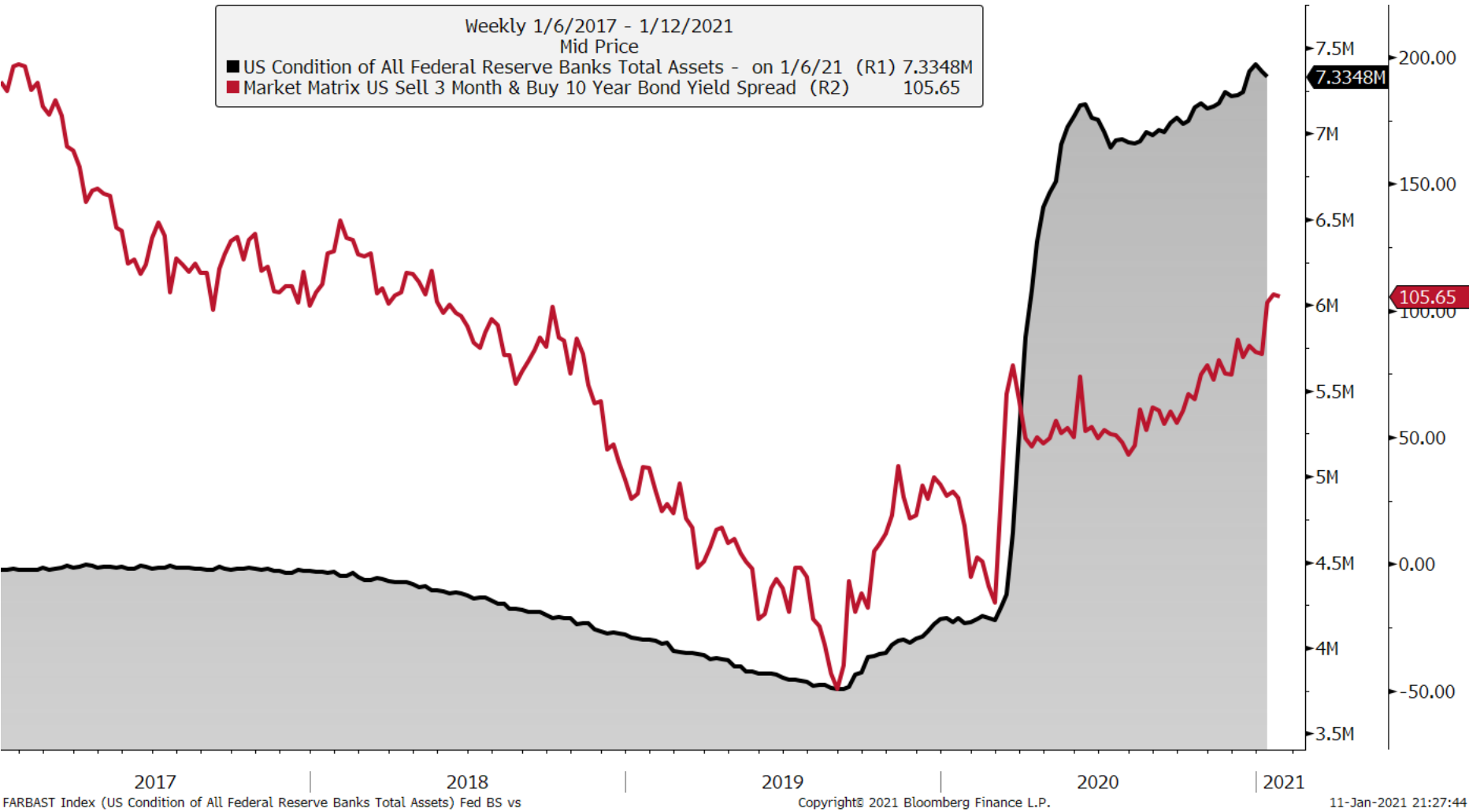


	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 E	2021 E
IG corporates	313	431	440	459	610	639	607	445	386	964	450
HY corporates	110	148	175	165	166	120	121	73	93	150	125
EM corporates	100	224	234	210	84	148	206	100	170	164	171
EM sovereign	27	50	42	38	27	83	99	84	85	104	70
Municipals	-28	-53	-38	-80	-86	10	-30	-130	-60	-7	-50
RMBS credit	-174	-173	-134	-70	-68	-80	-42	-6	13	-17	30
Agency MBS	20	70	281	85	187	270	338	308	246	450	300
CMBS	-55	-46	-10	-1	-16	-67	-22	42	62	24	21
ABS	-60	-2	30	31	-1	5	23	63	20	-25	10
CLOs	-14	14	16	67	57	26	55	83	88	57	70
Agency Debt	-164	-186	-117	-150	-128	114	-27	-111	-43	90	-20
Treasuries	1325	1009	849	783	631	410	433	989	1133	1749	2802
<b>Total</b>	<b>1400</b>	<b>1486</b>	<b>1767</b>	<b>1537</b>	<b>1463</b>	<b>1679</b>	<b>1762</b>	<b>1940</b>	<b>2193</b>	<b>3703</b>	<b>3979</b>
Total ex-Tsy	75	477	919	754	832	1269	1329	951	1060	1954	1177

Data Source: JP Morgan

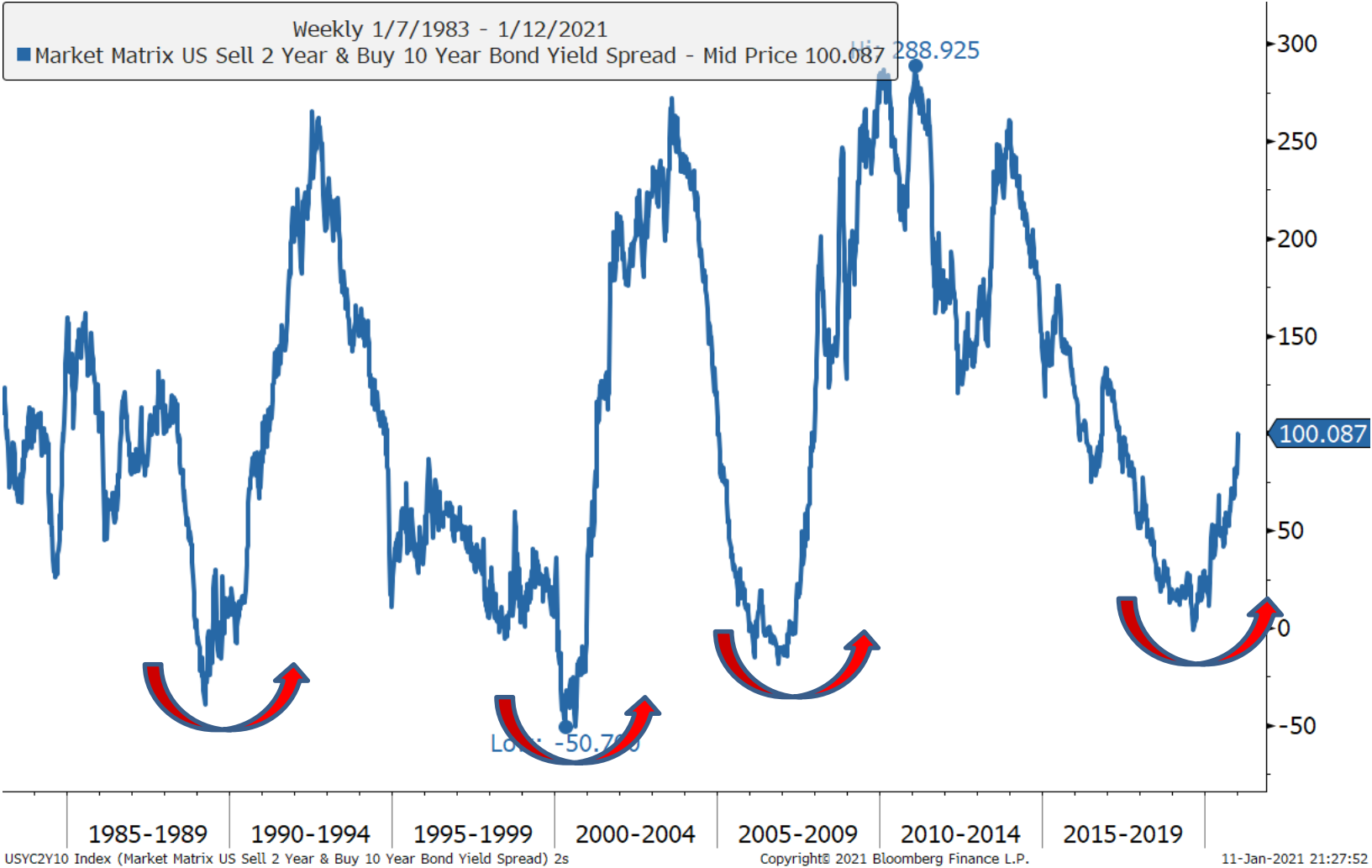
Only includes debt with maturities >1 year. Net issuance/numbers represented in the table are \$ in billions.

# Fed Balance Sheet and 3-month to 10-year Yield Curve



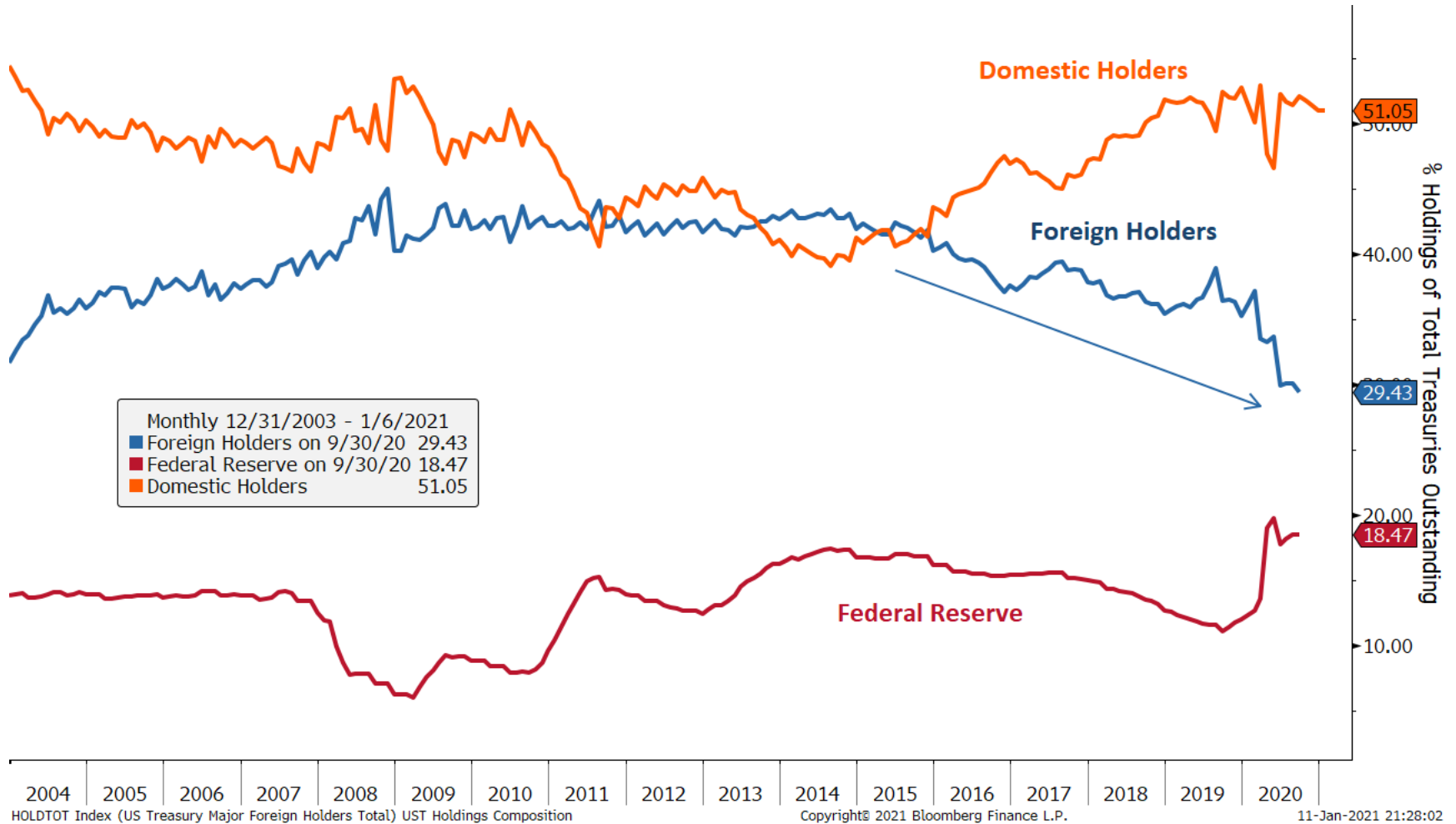
Source: Bloomberg; DoubleLine  
You cannot invest directly in an index.

# 2s10s Yield Curve



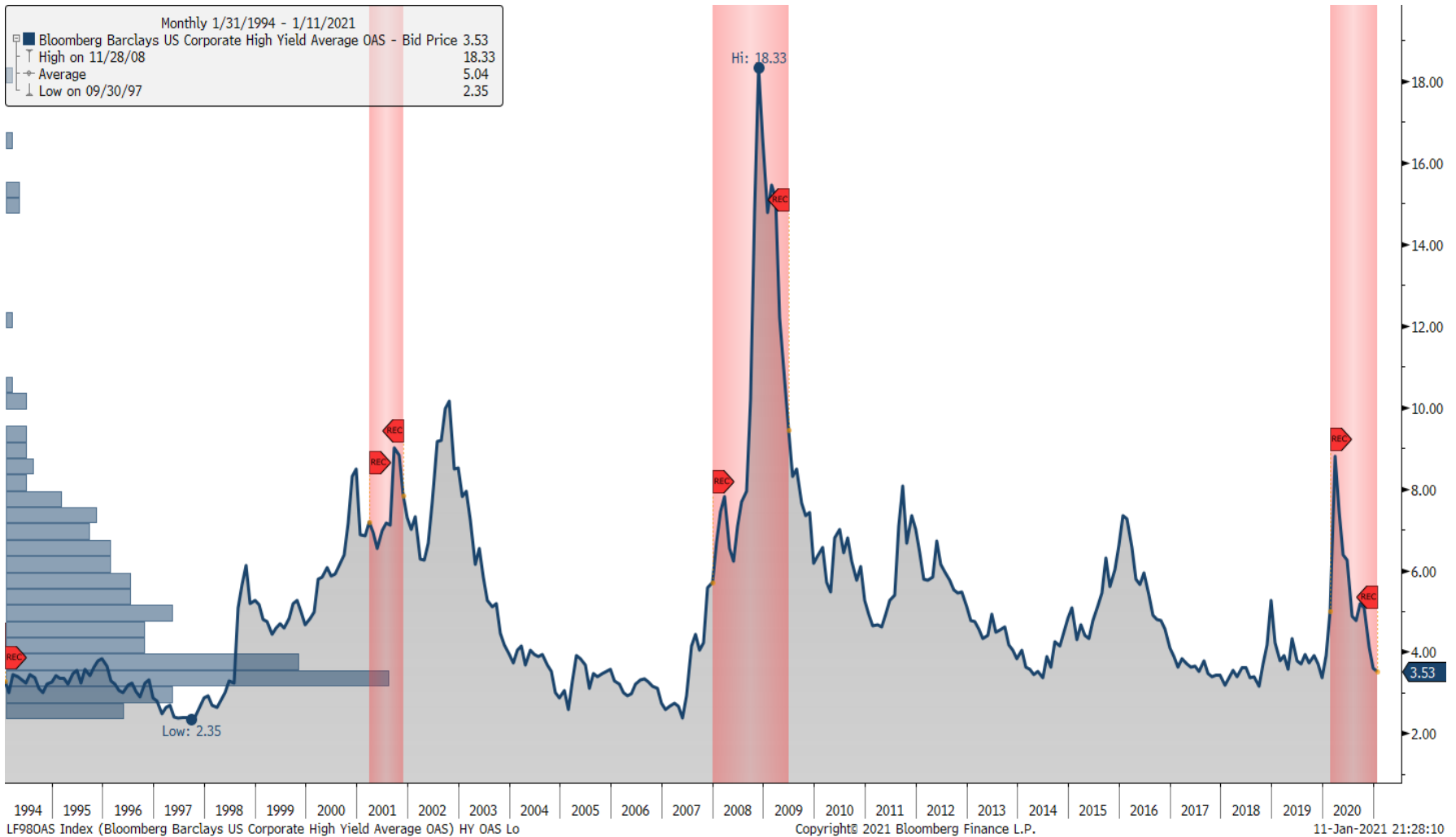
Data Source: Bloomberg, Bianco Research

# Foreign Holdings of U.S. Treasury Bonds



Source: Bloomberg, DoubleLine

# U.S. Corporate High Yield Option Adjusted Spread

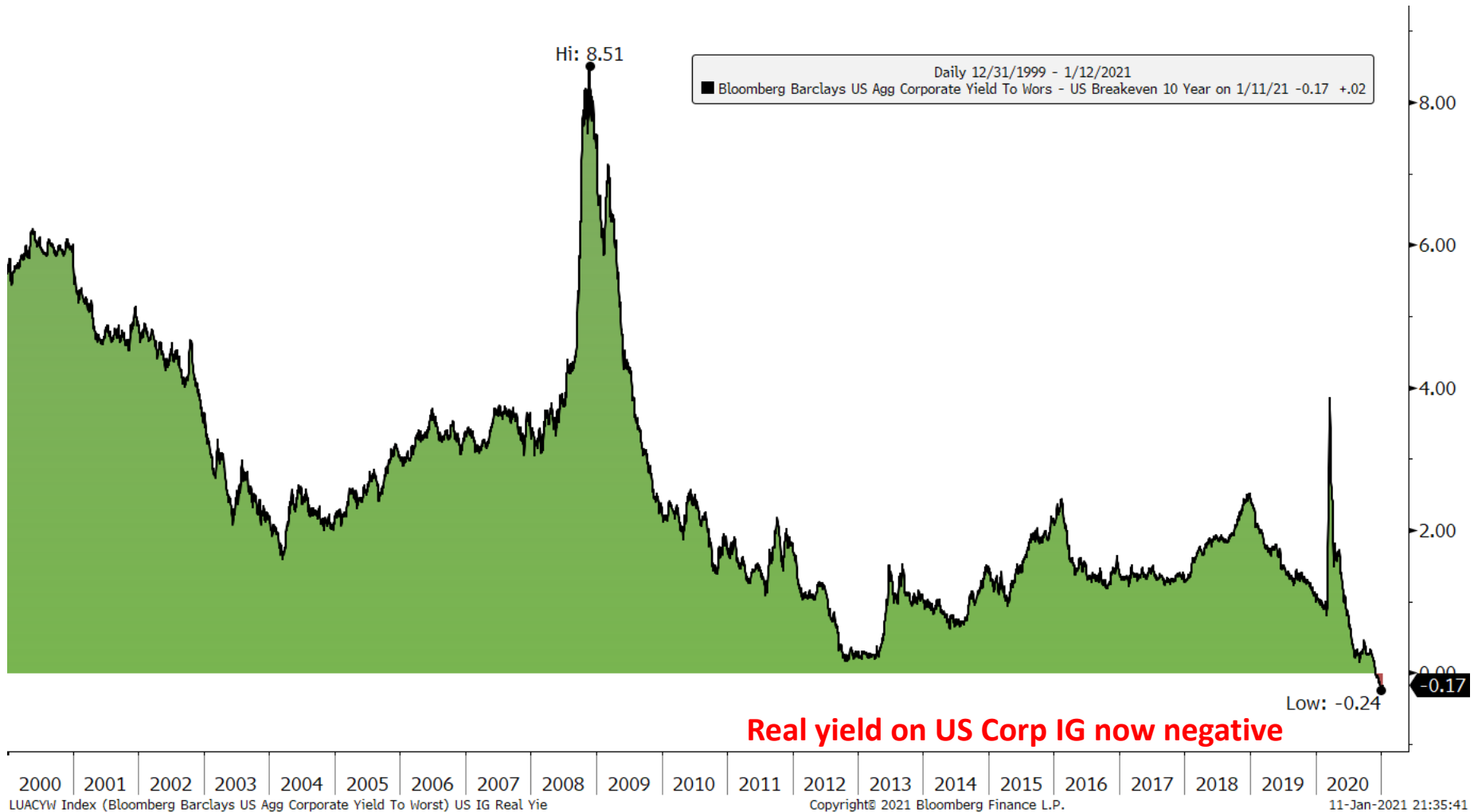


Source: Bloomberg; DoubleLine

Please see Bloomberg Barclays Credit Index definition in the appendix. You cannot invest directly in an index. Red shaded areas represent Recessionary periods.

# U.S. Corporate Investment Grade Real Yield

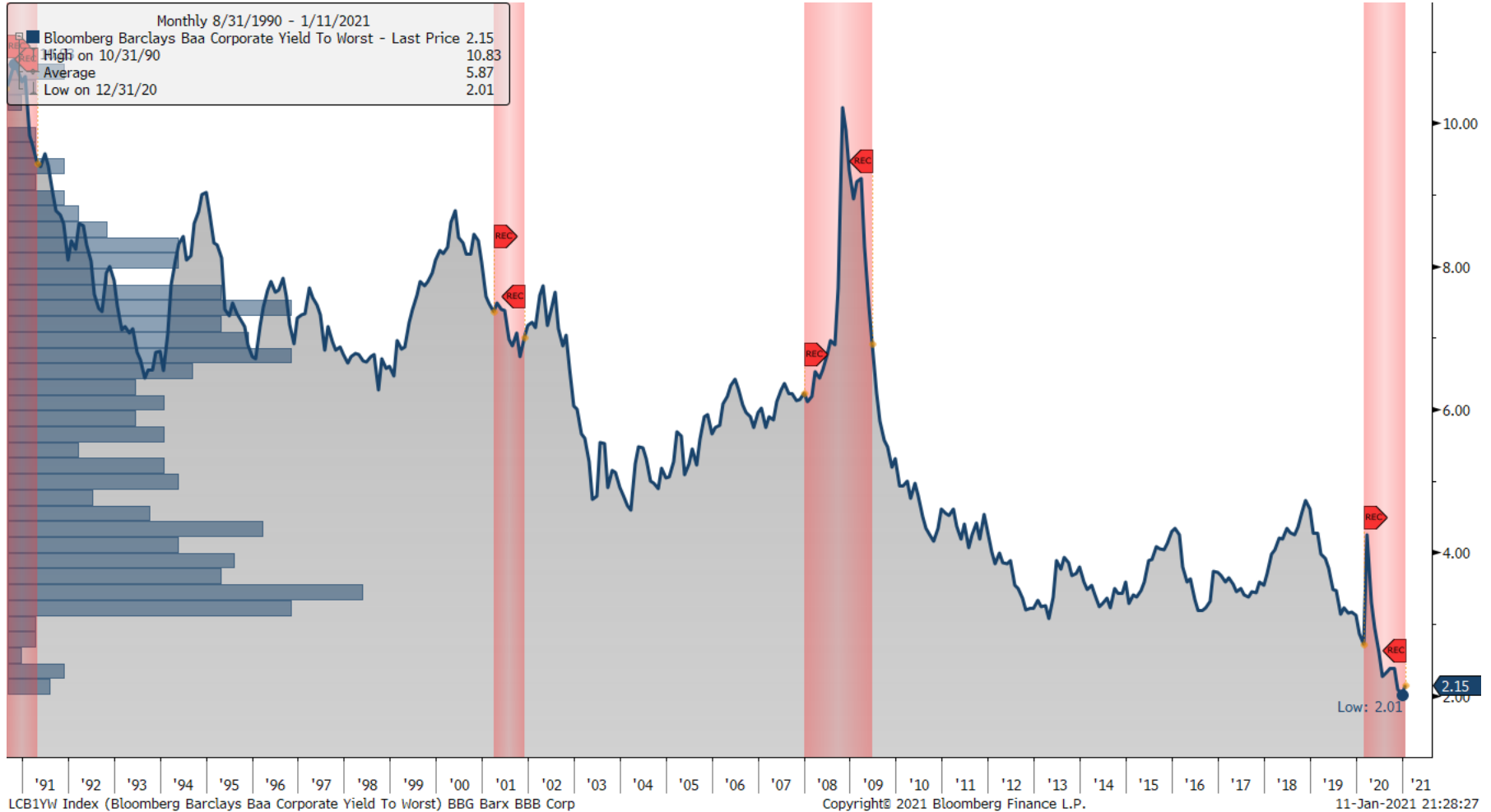
Bloomberg Barclays US Agg Corporate Yield to Worst less 10y Breakeven



Source: Bloomberg; DoubleLine

Please see Bloomberg Barclays Credit Index definition in the appendix. You cannot invest directly in an index.

# U.S. Corporate Baa Yield to Worst

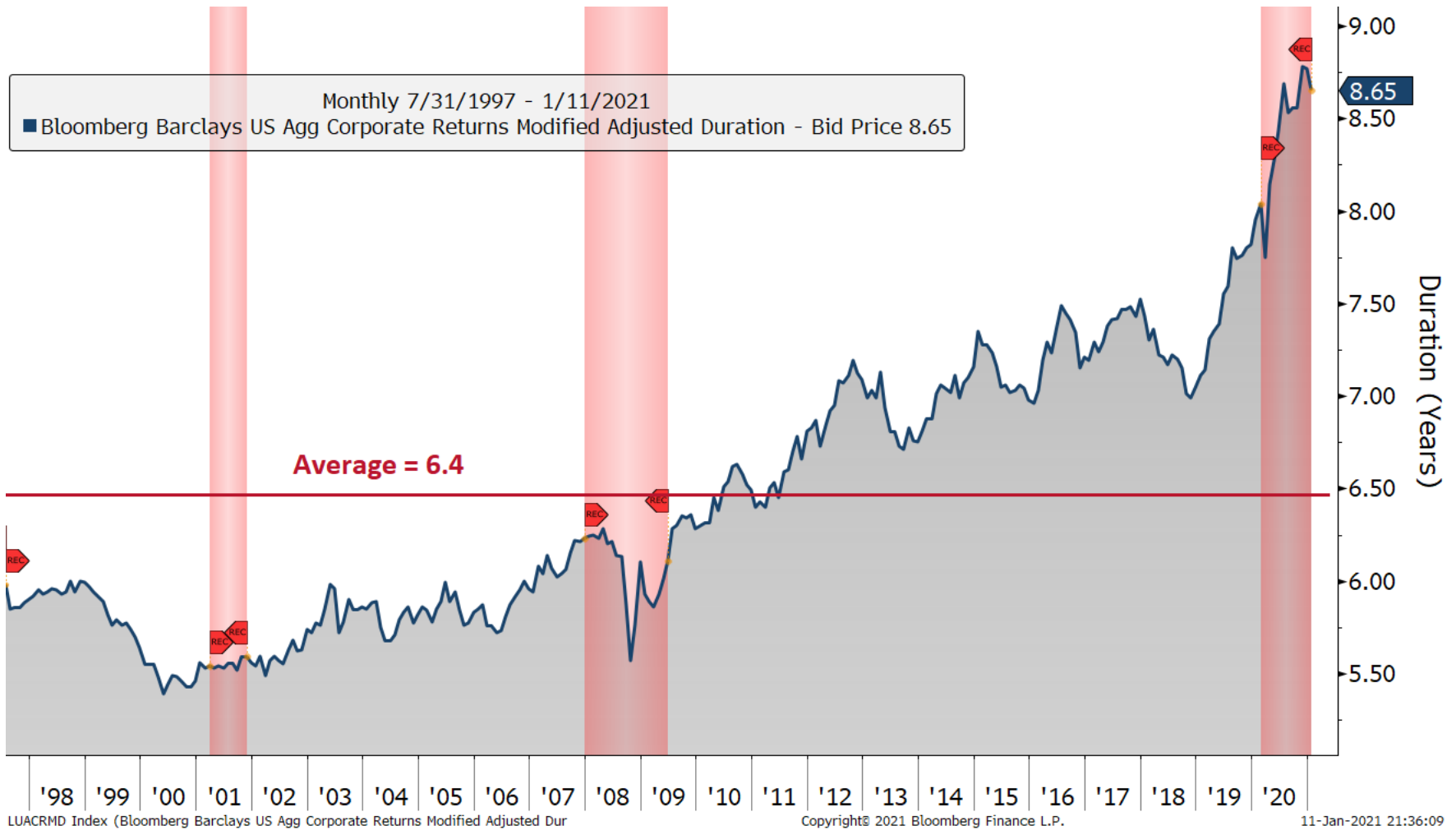


Source: Bloomberg; DoubleLine

Please see Bloomberg Barclays Credit Index definition in the appendix. You cannot invest directly in an index. Red shaded areas represent Recessionary periods.

# Duration of Investment Grade Debt

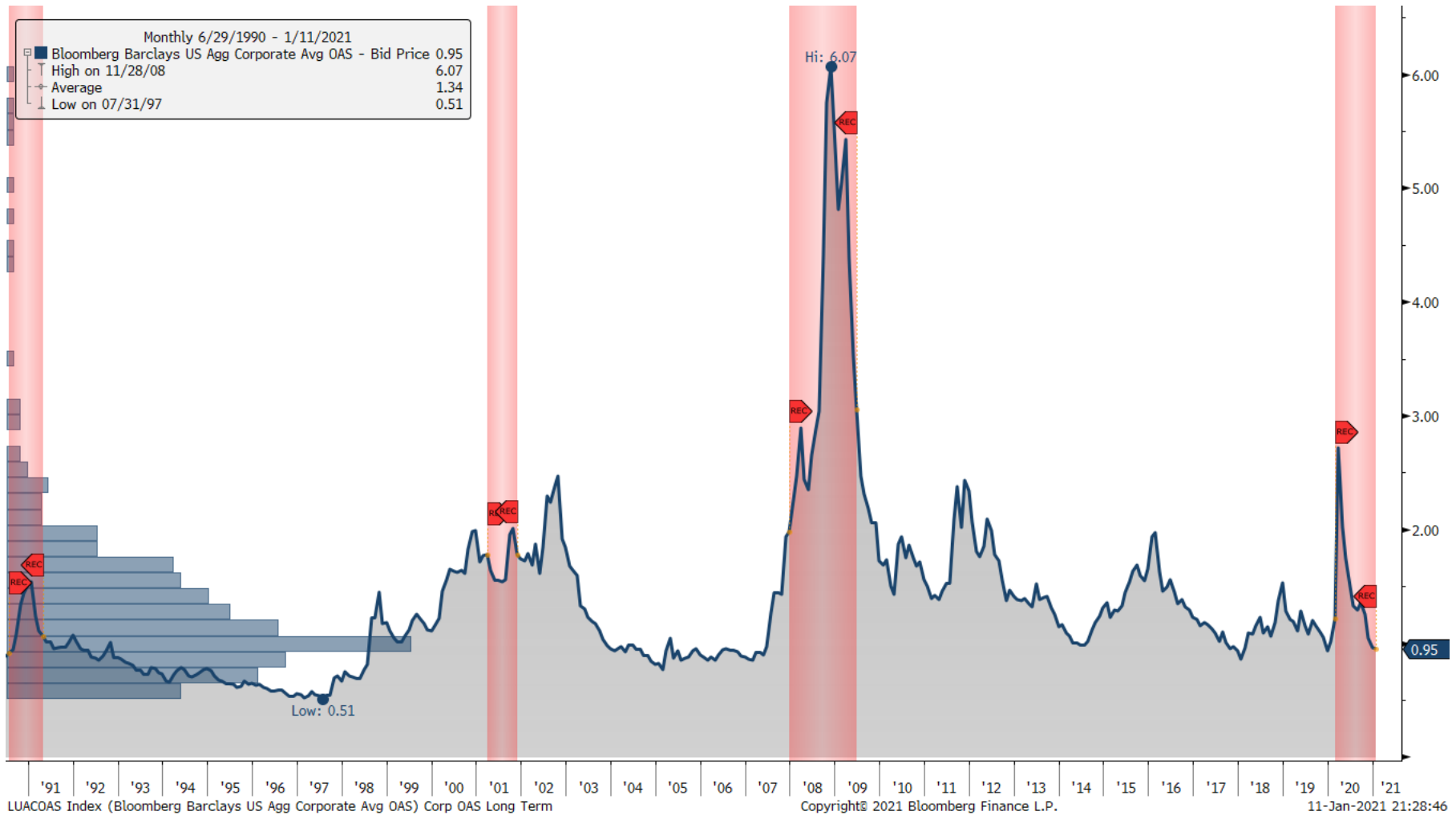
As of December 31, 2020



Source: Bloomberg, DoubleLine

Duration of investment grade is based on the Bloomberg Barclays U.S. Aggregate Investment Grade Corporate Credit Index. You cannot invest directly in an index. Red shaded areas represent Recessionary periods.

# U.S Corporate Investment Grade Option Adjusted Spreads



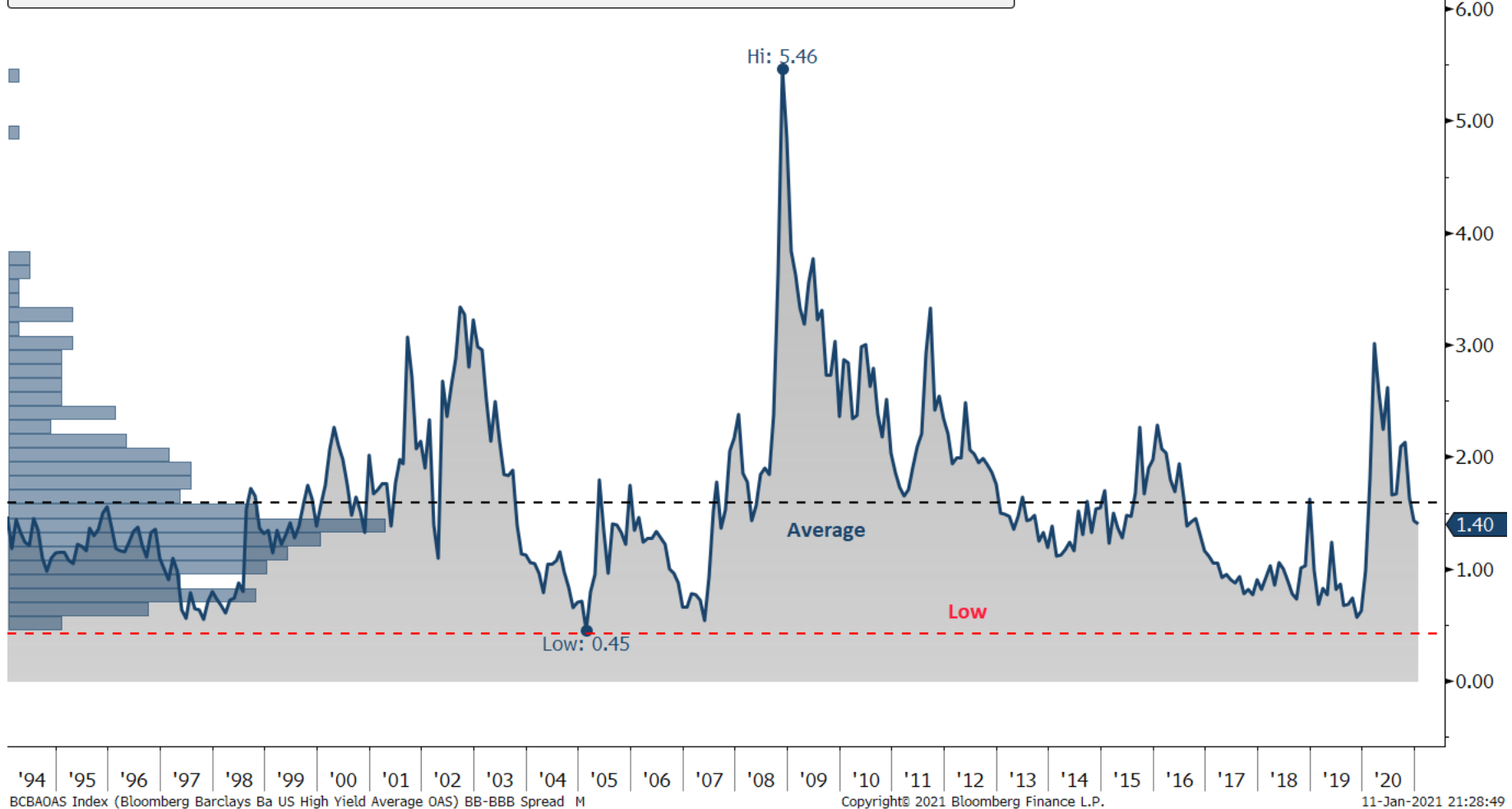
Source: Bloomberg; DoubleLine

Please see Bloomberg Barclays Credit Index definition in the appendix. You cannot invest directly in an index. Red shaded areas represent Recessionary periods.

# Corporate BB-BBB Spread Differential



Monthly 1/31/1994 - 1/11/2021  
 ■ Bloomberg Barclays Ba US High Yield Average OAS - Bloomberg Barclays Baa Corporate Average OAS 1.40



BCBAOAS Index (Bloomberg Barclays Ba US High Yield Average OAS) BB-BBB Spread M

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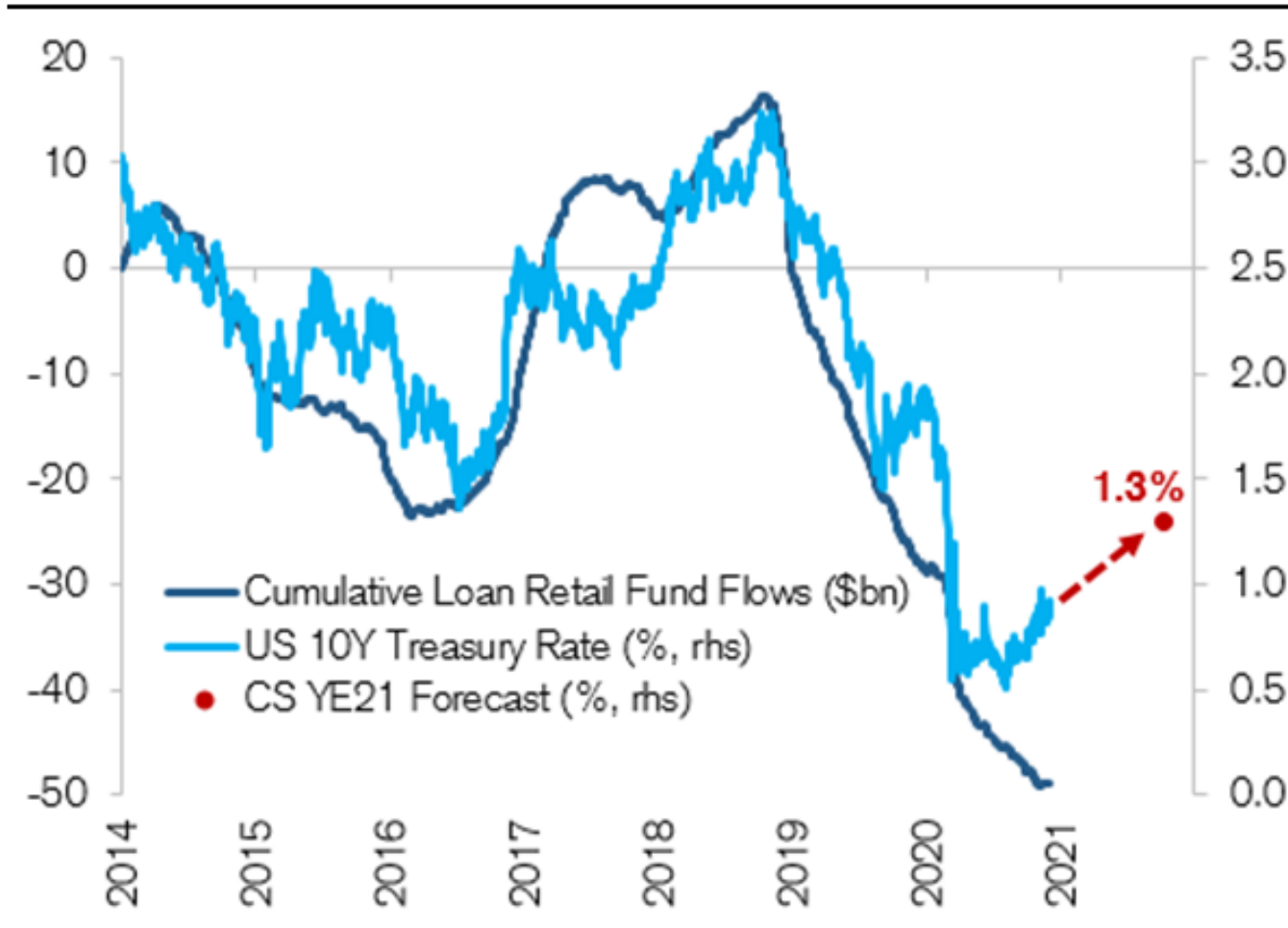
11-Jan-2021 21:28:49

Source: Bloomberg; DoubleLine

Please see Bloomberg Barclays High Yield Index definition in the appendix. You cannot invest directly in an index.

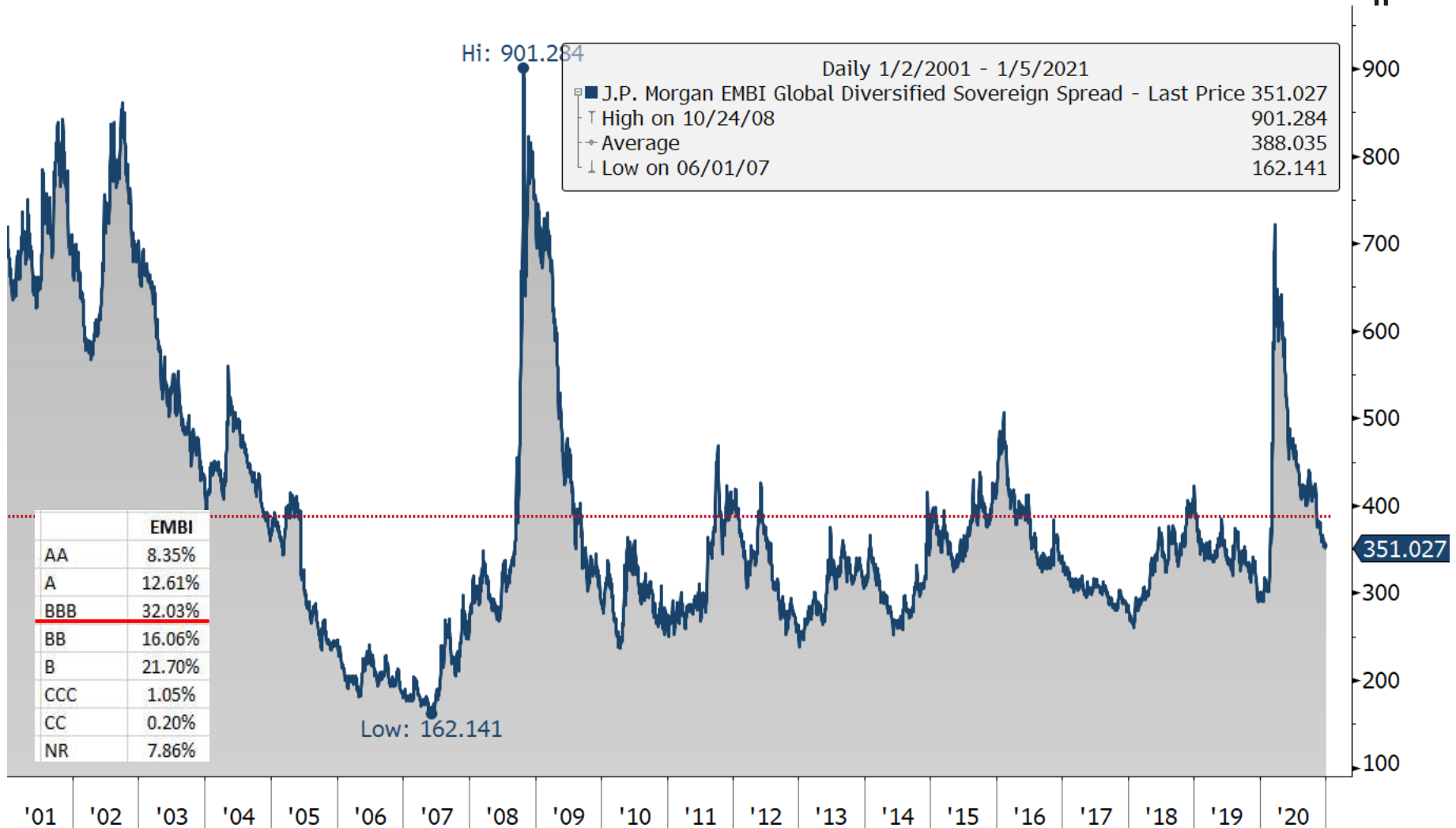
# Loan Retail Fund Flows vs. U.S. 10-Year Treasury

## Rising rates should lure retail money back to loans



Source: Credit Suisse, EPFR

# JP Morgan EMBI Global Diversified Sovereign Spread



JPGCSOSD Index (J.P. Morgan EMBI Global Diversified Sovereign Spread) JPM EMBI S

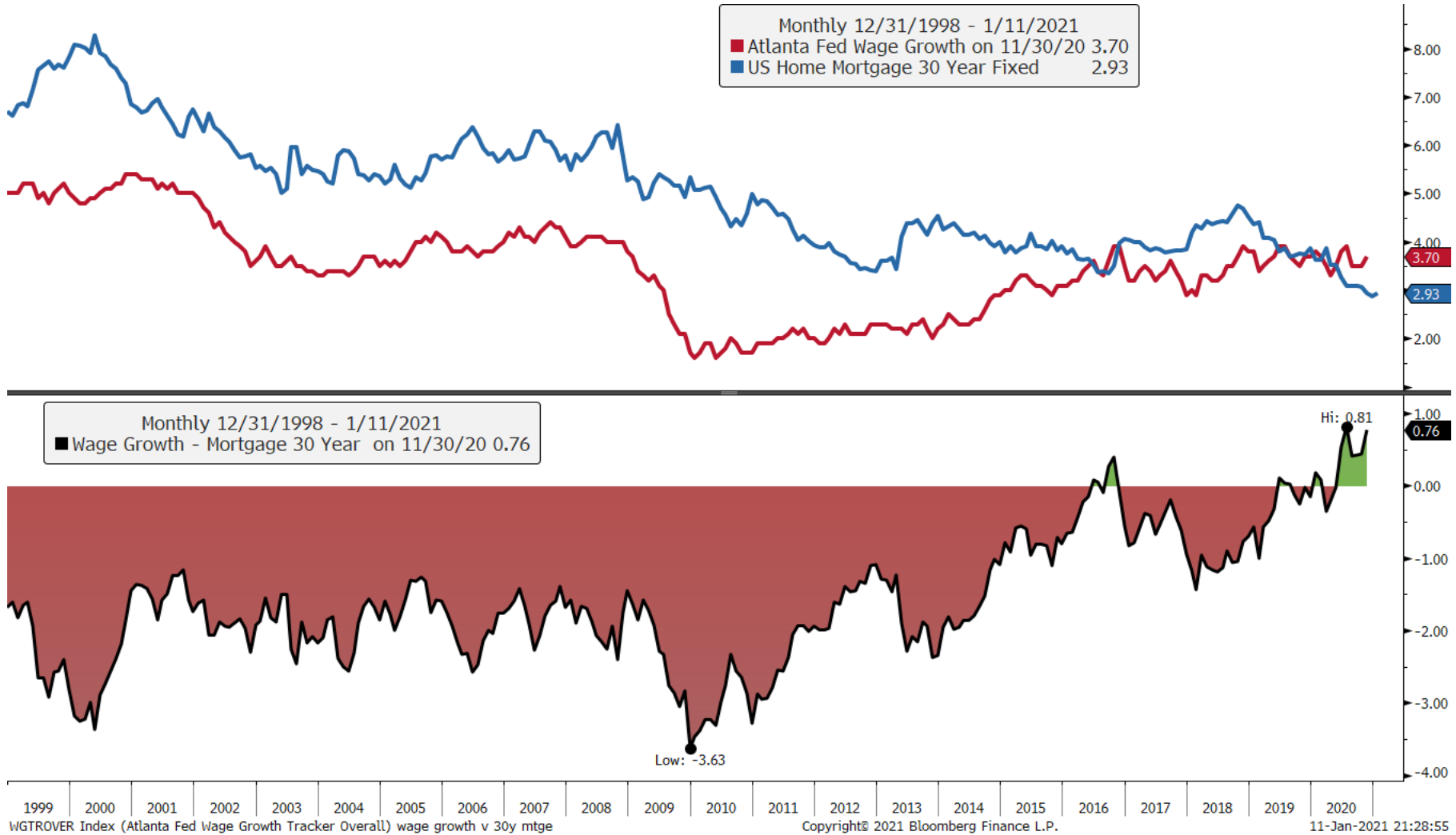
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05-Jan-2021 13:08:56

Source: Bloomberg; DoubleLine

M2 = Includes money that can be used for spending (M1) plus items that can be quickly converted to M1. YoY = year-over-year. Please see appendix for index definitions. You cannot invest directly in an index.

# Atlanta Fed Wage Growth vs. 30-Year Mortgage Rates



Source: Bloomberg, DoubleLine

# Case-Shiller Home Price Index vs. Rent

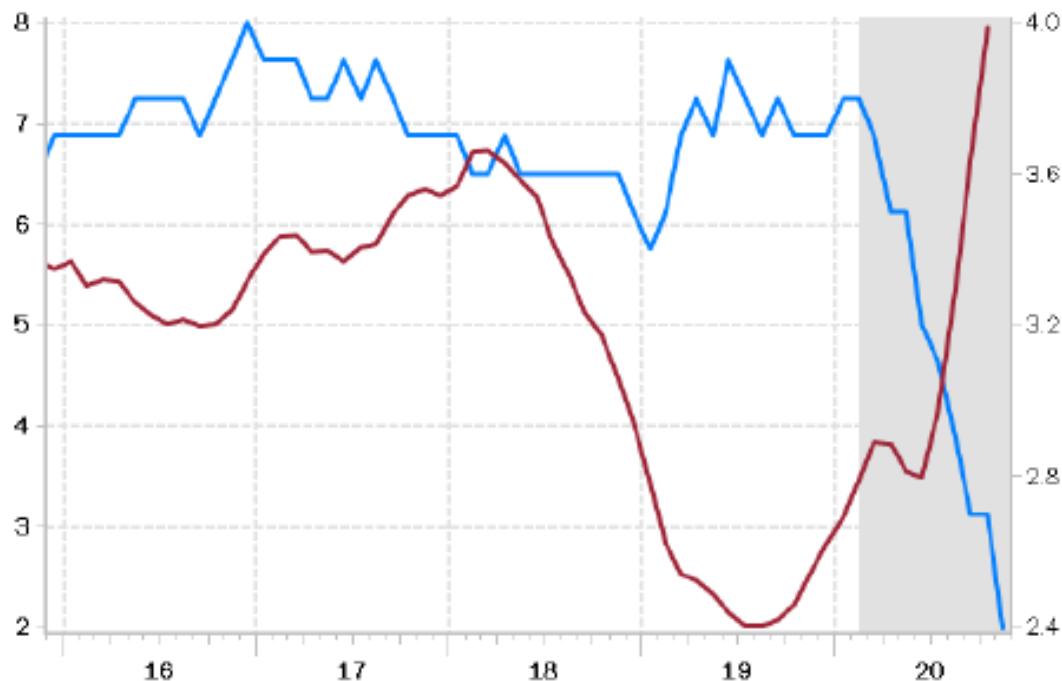


## CHART 9: S&P CoreLogic Case-Shiller Home Price Index & Rent CPI

United States

(red line; S&P CoreLogic Case-Shiller home price index; year-over-year percent change; LHS)

(blue line; CPI: rent of primary residence; year-over-year percent change; RHS)

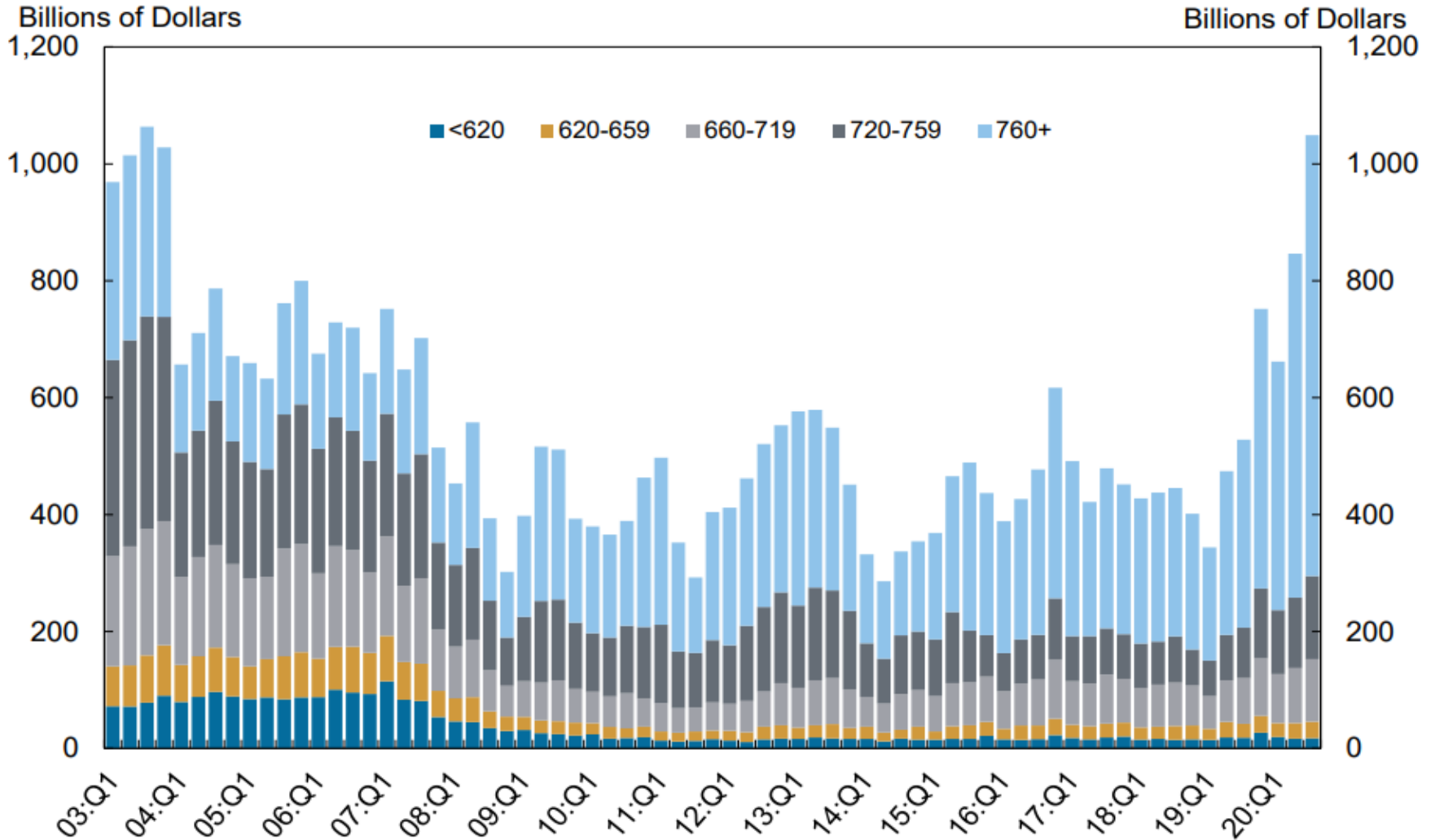


Shading indicates recession

Source: Haver Analytics, Rosenberg Research

Data Source: Haver Analytics, Rosenberg Research  
You cannot invest directly in an index.

# Mortgage Originations by Credit Score



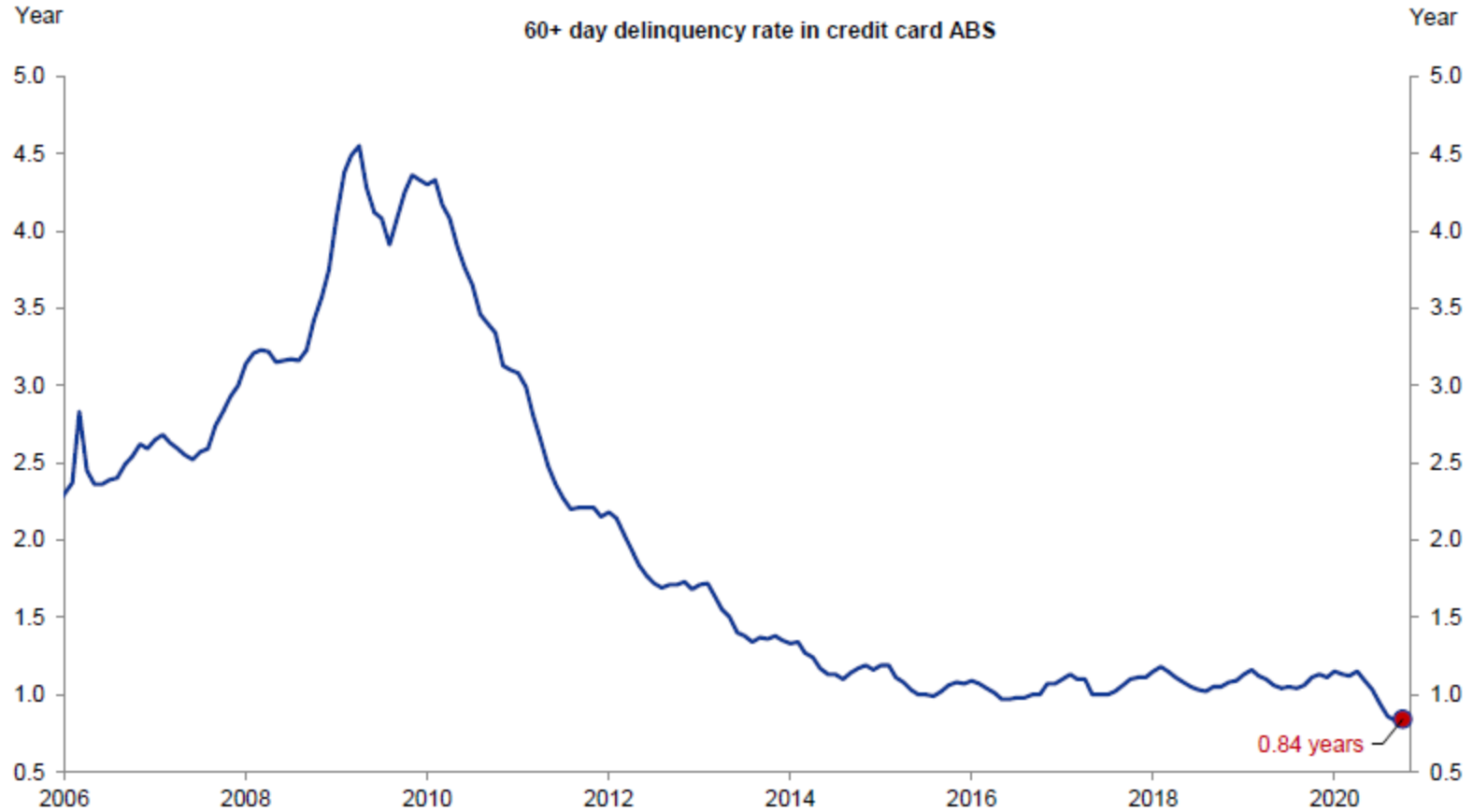
Source: New York Fed Consumer Credit Panel/Equifax

\* Credit Score is Equifax Riskscore 3.0

# Credit Card ABS Delinquency Rate



**Exhibit 15: Delinquency rates on consumer loans moved down in 2020**  
60+ day delinquency rates, US bankcard ABS



Source: S&P, Goldman Sachs Global Investment Research



# Just Markets – “Aqualung”

Live Webcast Hosted By:

**Jeffrey Gundlach**

Chief Executive Officer  
DoubleLine Capital

**January 12, 2021**



# SPDR® S&P 500 ETF TRUST (SPY)

As of September 30, 2020



## Investment Objective & Summary

The investment objective of the SPDR® S&P 500 ETF Trust seeks to provide investment results that, before fees and expenses, corresponds generally to the price and yield performance of the S&P 500 Index Index.

Total Return	Cumulative		Annualized			
	QTD	YTD	1 Year	3 Year	5 Year	10 Year
NAV (%)	8.91	5.46	14.97	12.12	13.98	13.60
MARKET VALUE (%)	8.97	5.40	14.86	12.09	13.97	13.59
Index (%)	8.93	5.57	15.15	12.28	14.15	13.74
		(%)				(%)
Gross Expense Ratio		0.0945	30 Day SEC Yield			1.65
Net Expense Ratio^		0.0945				

Performance quoted represents past performance, which is no guarantee of future results. Investment return and principal value will fluctuate, so you may have a gain or loss when shares are sold. Current performance may be higher or lower than that quoted. Visit [ssga.com](http://ssga.com) for most recent month-end performance. Performance of an index is not illustrative of any particular investment. It is not possible to invest directly in an index.

### Important Risk Information:

**Equity securities** may fluctuate in value in response to the activities of individual companies and general market and economic conditions.

While the shares of ETFs are tradable on secondary markets, they may not readily trade in all market conditions and may trade at significant discounts in periods of **market stress**.

**ETFs** trade like stocks, are subject to investment risk, fluctuate in market value and may trade at prices above or below the ETFs net asset value. Brokerage commissions and ETF expenses will reduce returns.

# SPDR® S&P 500 ETF TRUST (SPY)

As of September 30, 2020



‡Subject to Change.

**Definitions: NAV** - The market value of a mutual fund's or ETFs total assets, minus liabilities, divided by the number of shares outstanding. **Market Value** - Determined by the midpoint between the bid/offer prices as of the closing time of the New York Stock Exchange (typically 4:00PM EST) on business days. **Gross Expense Ratio** - The fund's total annual operating expense ratio. It is gross of any fee waivers or expense reimbursements. It can be found in the fund's most recent prospectus. **30 Day SEC Yield** - (Also known as Standardized Yield) An annualized yield that is calculated by dividing the net investment income earned by the fund over the most recent 30-day period by the current maximum offering price. **Est. 3-5 Year EPS Growth** - Based on the underlying holdings of the fund. The actual earnings estimates for the underlying holdings are provided by FactSet, First Call, I/B/E/S Consensus, and Reuters and are used to calculate a mean 3-5 year EPS growth rate estimate. **Index Dividend Yield** - The weighted average of the underlyings' indicated annual dividend divided by price, expressed as a percentage. **Price/Earnings Ratio FY1** - The weighted harmonic average of current share price divided by the forecasted one year earnings per share for each security in the fund. Negative and positive outliers are included in the calculation. **Price/Book Ratio** - The weighted harmonic average of closing market price divided by the most recent reported book value for each security in the fund's portfolio as calculated for the last twelve months.

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**Before investing, consider the funds' investment objectives, risks, charges and expenses. To obtain a prospectus which contains this and other information, call 1-866-787-2257 or visit [www.ssga.com](http://www.ssga.com). Read it carefully.**

**Not FDIC Insured • No Bank Guarantee • May Lose Value**



# SPDR® Dow Jones Industrial Average ETF Trust (DJI)



As of September 30, 2020

## Investment Objective & Summary

The investment objective of the SPDR® Bloomberg Barclays High Yield Bond ETF seeks to provide investment results that, before fees and expenses, corresponds generally to the price and yield performance of the Bloomberg Barclays High Yield Very Liquid Index. The ETF invests in

Total Return	Cumulative		Annualized			
	QTD	YTD	1 Year	3 Year	5 Year	10 Year
NAV (%)	8.91	5.46	14.97	12.12	13.98	13.60
MARKET VALUE (%)	8.97	5.40	14.86	12.09	13.97	13.59
Index (%)	8.93	5.57	15.15	12.28	14.15	13.74
		(%)				(%)
<b>Gross Expense Ratio</b>		0.0945	<b>30 Day SEC Yield</b>			1.65
<b>Net Expense Ratio<sup>A</sup></b>		0.0945				

**Performance quoted represents past performance, which is no guarantee of future results. Investment return and principal value will fluctuate, so you may have a gain or loss when shares are sold. Current performance may be higher or lower than that quoted. Visit [ssga.com](http://ssga.com) for most recent month-end performance. Performance of an index is not illustrative of any particular investment. It is not possible to invest directly in an index.**

### Important Risk Information:

Investing in **high yield fixed income securities**, otherwise known as "junk bonds", is considered speculative and involves greater risk of loss of principal and interest than investing in investment grade fixed income securities. These Lower-quality debt securities involve greater risk of default or price changes due to potential changes in the credit quality of the issuer.

**Bonds** generally present less short-term risk and volatility than stocks, but contain interest rate risk (as interest rates rise, bond prices usually fall); issuer default risk; issuer credit risk; liquidity risk; and inflation risk. These effects are usually pronounced for longer-term securities. Any fixed income security sold or redeemed prior to maturity may be subject to a substantial gain or loss.

**Non-diversified funds** that focus on a relatively small number of securities tend to be more volatile than diversified funds and the market as a whole.

**Passively managed funds** hold a range of securities that, in the aggregate, approximates the full Index in terms of key risk factors and other characteristics. This may cause the fund to experience tracking errors relative to performance of the index.

While the shares of ETFs are tradable on secondary markets, they may not readily trade in all market conditions and may trade at significant discounts in periods of **market stress**.

**ETFs** trade like stocks, are subject to investment risk, fluctuate in market value and may trade at prices above or below the ETFs net asset value. Brokerage commissions and ETF expenses will reduce returns.

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**Before investing, consider the funds' investment objectives, risks, charges and expenses. To obtain a prospectus which contains this and other information, call 1-866-787-2257 or visit [www.spdrs.com](http://www.spdrs.com). Read it carefully.**

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# iShares MSCI Emerging Markets ETF (EEM)

As of September 30, 2019



## Investment Objective

The iShares MSCI Emerging Markets ETF seeks to track the investment results of an index composed of large and mid-cap developed and emerging market equities.

## PERFORMANCE

	1 Year	3 Year	5 Year	10 Year	Since Inception
NAV	-2.60%	5.36%	1.73%	2.54%	10.03%
Market Price	-2.65%	5.00%	1.76%	2.46%	10.01%
Benchmark	-2.02%	5.97%	2.33%	3.37%	10.52%

The performance quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than the original cost. Current performance may be lower or higher than the performance quoted. Performance data current to the most recent month end may be obtained by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com).

Market returns are based upon the midpoint of the bid/ask spread at 4:00 p.m. eastern time (when NAV is normally determined for most ETFs), and do not represent the returns you would receive if you traded shares at other times.

## FEEES AND EXPENSES BREAKDOWN

<b>Expense Ratio</b>	<b>0.67%</b>
Management Fee	0.66%
Acquired Fund Fees and Expenses	0.00%
Foreign Taxes and Other Expenses	0.01%

# iShares MSCI Emerging Markets ETF (EEM)

As of September 30, 2019



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Carefully consider the Fund's investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Fund's prospectus, and if available, summary prospectus, which may be obtained by calling 1-800-iShares (1-800-474-2737) or by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com). Read the prospectus carefully before investing.

**Investing involves risk, including possible loss of principal.**

International investing involves risks, including risks related to foreign currency, limited liquidity, less government regulation and the possibility of substantial volatility due to adverse political, economic or other developments. These risks often are heightened for investments in emerging/ developing markets or in concentrations of single countries.

Performance shown reflects fee waivers and/or expense reimbursements by the investment advisor to the fund for some or all of the periods shown. Performance would have been lower without such waivers.

Diversification may not protect against market risk or loss of principal. Shares of iShares Funds are bought and sold at market price (not NAV) and are not individually redeemed from the Fund. Brokerage commissions will reduce returns.

**Index returns are for illustrative purposes only. Index performance returns do not reflect any management fees, transaction costs or expenses.**

**Indexes are unmanaged and one cannot invest directly in an index. Past performance does not guarantee future results.**

"Acquired Fund Fees and Expenses" reflect the Fund's pro rata share of the indirect fees and expenses incurred by investing in one or more acquired funds, such as mutual funds, business development companies, or other pooled investment vehicles. AFFE are reflected in the prices of the acquired funds and thus included in the total returns of the Fund.

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# iShares Micro-Cap ETF Trust (IWC)

As of September 30, 2020



## Investment Objective & Summary

The iShares Micro-Cap ETF seeks to track the investment results of an index composed of micro-capitalization U.S. equities

## PERFORMANCE

	1 Year	3 Year	5 Year	10 Year	Since Inception
<b>NAV</b>	4.14%	-0.23%	6.64%	9.36%	5.16%
<b>Market Price</b>	4.15%	-0.24%	6.64%	9.38%	5.16%
<b>Benchmark</b>	4.44%	-0.09%	6.72%	9.50%	5.57%

The performance quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than the original cost. Current performance may be lower or higher than the performance quoted. Performance data current to the most recent month end may be obtained by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com).

Beginning 8/10/20, the market price returns are calculated using the closing price.

Prior to 8/10/20, the market price returns were calculated using the midpoint of the bid/ask spread at 4:00 PM ET. The returns shown do not represent the returns you would receive if you traded shares at other times.

# iShares Micro-Cap ETF Trust (IWC)

As of September 30, 2020



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Carefully consider the Fund's investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Fund's prospectus, and if available, summary prospectus, which may be obtained by calling 1-800-iShares (1-800-474-2737) or by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com). Read the prospectus carefully before investing.

**Investing involves risk, including possible loss of principal.**

Small-capitalization companies may be less stable and more susceptible to adverse developments, and their securities may be more volatile and less liquid than larger capitalization companies.

Diversification may not protect against market risk or loss of principal. Shares of ETFs are bought and sold at market price (not NAV) and are not individually redeemed from the fund. Any applicable brokerage commissions will reduce returns.

**Index returns are for illustrative purposes only. Index performance returns do not reflect any management fees, transaction costs or expenses. Indexes are unmanaged and one cannot invest directly in an index. Past performance does not guarantee future results.**

"Acquired Fund Fees and Expenses" reflect the Fund's pro rata share of the indirect fees and expenses incurred by investing in one or more acquired funds, such as mutual funds, business development companies, or other pooled investment vehicles. AFPE are reflected in the prices of the acquired funds and thus included in the total returns of the Fund.

The iShares Funds are distributed by BlackRock Investments, LLC (together with its affiliates, "BlackRock").

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# iShares Small-Cap Russell 2000 ETF

As of September 30, 2020



## Investment Objective & Summary

The iShares Russell 2000 ETF seeks to track the investment results of an index composed of small-capitalization U.S. equities

## PERFORMANCE

	1 Year	3 Year	5 Year	10 Year	Since Inception
NAV	0.33%	1.72%	8.00%	9.86%	7.24%
Market Price	0.45%	1.72%	8.02%	9.89%	7.24%
Benchmark	0.39%	1.77%	8.00%	9.85%	7.31%

The performance quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than the original cost. Current performance may be lower or higher than the performance quoted. Performance data current to the most recent month end may be obtained by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com).

Beginning 8/10/20, the market price returns are calculated using the closing price.

Prior to 8/10/20, the market price returns were calculated using the midpoint of the bid/ask spread at 4:00 PM ET. The returns shown do not represent the returns you would receive if you traded shares at other times.

# iShares Small-Cap Russell 2000 ETF

As of September 30, 2020



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Carefully consider the Fund's investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Fund's prospectus, and if available, summary prospectus, which may be obtained by calling 1-800-iShares (1-800-474-2737) or by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com). Read the prospectus carefully before investing.

**Investing involves risk, including possible loss of principal.**

Small-capitalization companies may be less stable and more susceptible to adverse developments, and their securities may be more volatile and less liquid than larger capitalization companies.

Diversification may not protect against market risk or loss of principal. Shares of ETFs are bought and sold at market price (not NAV) and are not individually redeemed from the fund. Any applicable brokerage commissions will reduce returns.

**Index returns are for illustrative purposes only. Index performance returns do not reflect any management fees, transaction costs or expenses. Indexes are unmanaged and one cannot invest directly in an index. Past performance does not guarantee future results.**

"Acquired Fund Fees and Expenses" reflect the Fund's pro rata share of the indirect fees and expenses incurred by investing in one or more acquired funds, such as mutual funds, business development companies, or other pooled investment vehicles. AFFE are reflected in the prices of the acquired funds and thus included in the total returns of the Fund.

The iShares Funds are distributed by BlackRock Investments, LLC (together with its affiliates, "BlackRock").

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# Renaissance IPO ETF (IPO)

As of December 31, 2020



## Investment Objective & Summary

The Renaissance IPO ETF (the “Fund”), a series of Renaissance Capital Greenwich Funds (the “Trust”), seeks to replicate as closely as possible, before fees and expenses, the price and yield performance of the Renaissance IPO Index (the “Index”).

Performance History						
As of Dec 31, 2020	3M	YTD	1 Year	3 Year*	5 Year*	Inception
<b>Renaissance IPO ETF</b>						
Market Price	23.45%	107.42%	107.42%	32.24%	25.84%	18.35%
NAV	23.51%	107.34%	107.34%	32.24%	25.84%	18.34%
S&P 500 Index	12.15%	18.40%	18.40%	14.18%	15.22%	13.85%

\*Average annual return. Inception date: October 14, 2013.

**Performance Disclosure:** Past performance does not guarantee future results. The performance data quoted represents past performance and current returns may be lower or higher. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than the original cost. Investors should consider the investment objectives, risks, charges and expenses carefully before investing. Month end returns for both the Renaissance IPO ETF and the underlying net asset value can be found any time at [www.renaissancecapital.com](http://www.renaissancecapital.com).

**Definitions:** Net Asset Value (NAV) of the fund is calculated by dividing the total value of all the securities in its portfolio, less any liabilities, by the number of fund shares outstanding. Market Price is current value at which an asset or service can be bought or sold. The Renaissance IPO Index® (IPOUSA) is a stock market index based upon a portfolio of U.S.- listed newly public companies. The S&P 500® Index (SPX) is a stock market index based on the market capitalizations of 500 large companies whose common stock is publicly traded on the NYSE or NASDAQ. The Index does not charge management fees or brokerage expenses, nor does the Index lend securities, and no revenues from securities lending were added to the performance shown. The Distribution Yield is the trailing 12-month end yield computed by summing the trailing 12-month's income distributions and dividing that sum by the last month's ending Net Asset Value (NAV), plus capital gains distributed over the same time period. The SEC Yield is the annualized net investment income per share for the 30 days ended on the date of calculation divided by the maximum offering price per share on that date. This yield is the same on both a subsidized or unsubsidized basis, as the Fund has no fee waivers. The Fund's actual distribution rate will differ from the SEC yield and any income distributions from the fund may be higher or lower than the SEC yield.

**Risk Disclosure:** Investment in the Renaissance IPO ETF, symbol "IPO", is subject to investment risk, including possible loss of principal amounts invested. The ETF invests in companies that have recently completed initial public offerings. These stocks are unseasoned equities lacking trading history, a track record of reporting to investors and widely available research coverage which may result in extreme price volatility. Due to the greater number of IPOs in certain segments, the ETF may be subject to information technology and financial sector risk and small and mid-capitalization company risk. The ETF may hold securities in the form of Depository Receipts, REITs and Partnership Units which have greater risks than common shares. The strategy has high portfolio turnover and securities lending risks. ETF returns may not match the return of the respective index. ETFs are classified as non-diversified investment companies subject to concentration risk.

Investors should consider the investment objectives, risks, charges and expenses carefully before investing. For a prospectus and/ or summary prospectus with information about this Fund please visit [www.renaissancecapital.com](http://www.renaissancecapital.com). Read the prospectus carefully before investing. Foreside Fund Services, LLC, is the distributor for the ETFs, 1 - 866 - 486 - 6645.

# Renaissance IPO ETF (IPO)

As of December 31, 2020



## Risk Disclosure

Investments in the Renaissance IPO ETF, symbol "IPO", and the Renaissance International IPO ETF, symbol "IPOS" (the "ETFs") are subject to investment risk, including possible loss of the principal amounts invested. The ETFs invest in companies that have recently completed initial public offerings. These stocks are unseasoned equities lacking trading history, a track record of reporting to investors and widely available research coverage which may result in extreme price volatility. Due to a greater number of IPOs in certain segments, the ETFs may also be subject to information technology and financial sector risk, small and mid-capitalization company risk, and, for the Renaissance International IPO ETF, emerging markets risk. The ETFs may hold securities in the form of Depositary Receipts, REITs, and Partnership Units which have greater risks than common shares. The strategies have high portfolio turnover and securities lending risks. The returns of the ETFs may not match the return of the respective indices. The ETFs are classified as non-diversified investment companies subject to concentration risk.

# iShares iBoxx \$ Investment Grade Corporate Bond ETF (LQD)



As of September 30, 2020

## Investment Objective & Summary

The iShares iBoxx \$ Investment Grade Corporate Bond ETF seeks to track the investment results of an index composed of U.S. dollar-denominated, investment grade corporate bonds.

## PERFORMANCE

	1 Year	3 Year	5 Year	10 Year	Since Inception
NAV	8.87%	7.07%	6.50%	5.52%	5.91%
Market Price	8.87%	7.07%	6.48%	5.48%	5.90%
Benchmark	8.99%	7.18%	6.68%	5.69%	6.14%

The performance quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than the original cost. Current performance may be lower or higher than the performance quoted. Performance data current to the most recent month end may be obtained by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com).

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# iShares iBoxx \$ Investment Grade Corporate Bond ETF (LQD)



As of September 30, 2020

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Carefully consider the Fund's investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Fund's prospectus, and if available, summary prospectus, which may be obtained by calling 1-800-iShares (1-800-474-2737) or by visiting [www.iShares.com](http://www.iShares.com) or [www.blackrock.com](http://www.blackrock.com). Read the prospectus carefully before investing.

**Investing involves risk, including possible loss of principal.**

Fixed income risks include interest-rate and credit risk. Typically, when interest rates rise, there is a corresponding decline in bond values. Credit risk refers to the possibility that the bond issuer will not be able to make principal and interest payments.

Diversification may not protect against market risk or loss of principal. Shares of ETFs are bought and sold at market price (not NAV) and are not individually redeemed from the fund. Any applicable brokerage commissions will reduce returns.

**Index returns are for illustrative purposes only. Index performance returns do not reflect any management fees, transaction costs or expenses. Indexes are unmanaged and one cannot invest directly in an index. Past performance does not guarantee future results.**

"Acquired Fund Fees and Expenses" reflect the Fund's pro rata share of the indirect fees and expenses incurred by investing in one or more acquired funds, such as mutual funds, business development companies, or other pooled investment vehicles. AFFE are reflected in the prices of the acquired funds and thus included in the total returns of the Fund.

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# Definitions



## Indices

**ACWI = MSCI ACWI Index** - A free-float weighted equity index that includes both emerging and developed worlds markets.

**ACWI ex-U.S = MSCI ACWI Index** - A free-float weighted equity index that includes both emerging and developed worlds markets except the U.S.

**Amherst Non-Agency Index** - Residential Mortgages Bond Securities are a type of bond backed by residential mortgages. Non-Agency means they were issued by a private issuer.

**Bloomberg Barclays US Aggregate Bond Index** - Represents securities that are SEC-registered, taxable, and dollar denominated. The index covers the US investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis.

**Bloomberg Barclays US MBS Index** – Represents the MBS component of the Bloomberg Barclays US Aggregate Index.

**Bloomberg Barclays US CMBS Index** – Represents the CMBS component of the Bloomberg Barclays US Aggregate Index.

**Bloomberg Barclays Commodities Total Return Index** – This index (formerly the Dow Jones-UBS Commodity Index) is calculated on an excess return basis and reflects the price movements of commodity futures. It rebalances annually, weighted two-thirds by trading volume and one-third by world production, and weight caps are applied at the commodity, sector and group levels for diversification. The roll period typically occurs from the sixth to 10th business day based on the roll schedule.

**Bloomberg Barclays US Treasury Index** - This index is the US Treasury component of the US Government index. Public obligations of the US Treasury with a remaining maturity of one year or more.

**Bloomberg Barclays US Treasury 10 Year Index** - This index is the 10 year component of the US Government index.

**Bloomberg Barclays US Treasury 30 Year Index** - This index is the 30 year component of the US Government index.

**Bloomberg Barclays US High Yield Index** - Covers the universe of fixed rate, non-investment grade debt. Eurobonds and debt issuer from countries designated as emerging markets (e.g. Argentina, Brazil, Venezuela, etc.) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included. Original issue zeroes, step-up coupon structures, 144-As and pay-in-kind (PIK, as of October 1, 2009) are also included.

**Bloomberg U.S. Financial Conditions Index** - This index tracks the overall level of financial stress in the U.S. money, bond, and equity markets to help assess the availability and cost of credit. A positive value indicates accommodative financial conditions, while a negative value indicates tighter financial conditions relative to pre-crisis norms.

**Bloomberg Barclays Global Emerging Markets Index** - The Barclays Capital Global Emerging Markets Index represents the union of the USD-denominated US Emerging Markets index and the predominately EUR-denominated Pan Euro Emerging Markets Index, covering emerging markets in the following regions: Americas, Europe, Middle East, Africa, and Asia. As with other fixed income benchmarks provided by Barclays Capital, the index is rules-based, which allows for an unbiased view of the marketplace and easy replicability.

**Bloomberg Barclays U.S. Credit Index** – This index is the U.S. credit component of the US Government/Credit Index. It consists of publicly issued U.S. corporate and specified foreign debentures and secured notes that meet the specified maturity, liquidity and quality requirements. To qualify, bonds must be SEC registered. The US Credit Index is the same as the former US Corporate Index.

**Bloomberg Barclays U.S. Corporate Index** – Is a subset of the Barclays U.S. Aggregate index which is a broad-based flagship benchmark that measures the investment grade, U.S. dollar-denominated, fixed rate taxable bond market. IT includes Treasuries, government-related and corporate securities, MBS, ABS and CMBS. This subset represents the investment grade portion of that index.

**Barclays Capital US 30 Year TIPS Index** - Barclays Capital 30-year TIPS on-the-run index quoted in US Dollars traded intraday

**BofA Merrill Lynch US Dollar Emerging Markets Sovereign Plus Index (IGOV)** This index tracks the performance of US dollar denominated emerging market and cross-over sovereign debt publicly issued in the eurobond or US domestic market. Qualifying countries must have a BB1 or lower foreign currency long-term sovereign debt rating (based on an average of Moody's, S&P, and Fitch).

**BofA Merrill Lynch U.S. High Yield Index (HOAO)** The Merrill Lynch High Yield Index tracks the performance of US dollar denominated below investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have a below investment grade rating (based on average of Moodys, S&P and Fitch) at least 18 months to final maturity at time of issue of issuance, a final maturity, a fixed coupon schedule and a minimum amount outstanding of \$100 MM.

# Definitions



**BofA Merrill Lynch International Government Index (NOGO)** The Merrill Lynch International Index tracks the performance of Australia, Canadian, French, German, Japan, Dutch, Swiss and UK investment grade sovereign debt publicly issued and denominated in the issuer's own domestic market and currency. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding.

**BofA Merrill Lynch Mortgage-Backed Securities Index (MOA0)**

This index tracks the performance of US dollar denominated fixed rate and hybrid residential mortgage pass-through securities publicly issued by US agencies in the US domestic market. 30-year, 20-year, 15-year and interest only fixed rate mortgage pools are included in the Index provided they have at least one year remaining term to final maturity and a minimum amount outstanding of at least \$5 billion per generic coupon and \$250MM per production year within each generic coupon.

**BofA Merrill Lynch US Government Index (GOAO)** - The Merrill Lynch US Government Index tracks the performance of US government (i.e. securities in the Treasury and Agency indices.)

**BofA Merrill Lynch US Corporate Index (COAO) "Investment Grade"**- The Merrill Lynch Corporate Index tracks the performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch) and an investment grade rated country of risk (based on an average of Moody's, S&P and Fitch foreign currency long term sovereign debt ratings). Securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$250MM.

**BofA Merrill Lynch US Treasury Index (GOQ0)** -The Merrill Lynch US Treasury Index tracks the performance of US dollar denominated sovereign debt publicly issued by the US government in its domestic market. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$1 billion.

**BofA Merrill Lynch Current 10 year UST Index** — This index is the 10 year component of the US Government index.

**BofA Merrill Lynch Current 30 year UST Index** — This index is the 30 year component of the US Government index.

**Citigroup Economic Surprise Index** - The Citigroup Economic Surprise Indices are objective and quantitative measures of economic news. They are defined as weighted historical standard deviations of data surprises (actual releases vs Bloomberg survey median). A positive reading of the Economic Surprise Index suggests that economic releases have on balance beating consensus. The indices are calculated daily in a rolling three-month window. The weights of economic indicators are derived from relative high-frequency spot FX impacts of 1 standard deviation data surprises. The indices also employ a time decay function to replicate the limited memory of markets.

**Credit Suisse Investment Grade Index** = tracks the performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market.

**Credit Suisse High Yield Liquid Index** = tracks the performance of US dollar denominated below investment grade corporate debt publicly issued in the US domestic market.

**CAC 40** – This index the most widely-used indicator of the Paris market, reflects the performance of the 40 largest equities listed in France, measured by free-float market capitalization and liquidity.

**CRB Commodity Index (CRY)**- An unweighted geometric average of some important commodities. It averages prices across 17 commodities and across time. The index tracks energy, grains, industrials, livestock, precious metals, and agriculturals.

**DAX** - This index is the German Stock Index is a total return index of 30 selected German blue chip stocks traded on the Frankfurt Stock Exchange.

**Dow Jones** – UBS DJ Commodity Index - The Dow Jones UBS – Commodity index is composed of commodities traded on U.S. exchanges, with the exception of aluminum, nickel and zinc, which trade on the London Metal Exchange (LME).

**DXY** - U.S. dollar spot index indicates the general international value of the US dollar by averaging the exchange rates between the USD and major world currencies.

**ESTX50 – EuroStoxx 50** index is Europe's leading blue-chip index for the Eurozone, provides a blue-chip representation of supersector leaders in the Eurozone.

# Definitions



**FTSE 100** – Is a capitalization-weighted index of the 100 most highly capitalized companies traded on the London Stock Exchange.

**ISM** - ISM Manufacturing Index is based on a survey of 300 manufacturing firms by the Institute of Supply Management.

**JP Morgan Emerging Markets Bond Index (EMBI)** - This index tracks emerging markets (EM) bonds and comprises sovereign debt and EM corporate bonds.

**JP Morgan Emerging Markets Currency Index (EMCI)** - This index is a tradeable benchmark for emerging markets (EM) currencies vs the U.S. dollar.

**KBW Nasdaq Bank Index** – Is a benchmark stock index of the banking sector includes 24 stocks.

**MSCI Europe Index** - The MSCI Europe Index is a free-float weighted equity index designed to measure the equity market performance of the developed markets in Europe.

**MSCI USA Large Cap Index** - A free float weighted large- cap equity index.

**MSCI US Small Cap Index** - A free float weighted index of U.S. small cap equity stocks.

**NASDAQ 100 Index** – Is a basket of the 100 largest, most actively traded U.S. companies listed on the NASDAQ stock exchange.

**Nikkei 225 (Tokyo Stocks)** – The Nikkei-225 Stock average is a price-weighted average of 225 top-rated Japanese companies listed in the First Section of the Tokyo Stock Exchange.

**Russell 2000** – Measures the performance of the small-cap segment of the US equity universe. Russell 2000 is a subset of the Russell 3000 index representing approximately 10% of the total market capitalization of that index.

**Palmer Square CLO Debt Index (CLODI)** – Is a rules-based observable pricing and total return index for CLO debt for sale in the U.S.

**S&P 500 (SPX)**- S&P 500 is a free-float capitalization-weighted index published since 1957 of the prices of 500 large-cap common stocks actively traded in the United States.

**S&P/Case-Shiller Composite Home Price Index** - The Case-Shiller Home Price Indices, one comprised of price changes within all 20 metropolitan markets, and another comprised of price changes within the following subset of 10 metropolitan markets: Boston, Chicago, Denver, Las Vegas, Los Angeles, Miami, New York, San Diego, San Francisco and Washington DC. In addition: 10 markets, the 20-Home Price index reflects price changes for Atlanta, Charlotte, Dallas, Detroit, Minneapolis, Phoenix, Portland, Seattle and Tampa.

**S&P GSCI** – A composite index of commodity sector return representing an unleveraged, long-only investment in commodity futures that is broadly diversified across the spectrum of commodities.

**S&P/LSTA Leveraged Loan Index** – This index tracks the market-weighted performance of institutional weighted loans based on market weightings, spreads and interest payments.

**S&P U.S. Mortgage-Backed Securities Fixed Rate 1-10 year Index (MBS Fixed Rate 1-10 Year)** – Is a rules-based, market-value-weighted index covering U.S. dollar denominated, fixed-rate mortgages 1-10 years.

**Shanghai Index** - The Shanghai Stock Exchange Composite is a capitalization-weighted index tracking daily price performance of all A and B-shares listed on the Shanghai Stock Exchange. This index was developed December 19, 1990 with a base value of 100.

**Volatility Index (VIX)** -The VIX shows the market's expectation of 30-day volatility. It is constructed using the implied volatilities of a wide range of S&P 500 index options. This volatility is meant to be forward looking and is calculated from both calls and puts. The VIX is a widely used measure of market risk and is often referred to as the "investor fear gauge."

You cannot invest directly in an index.

## Proxies

**Argentina** = Argentina's stock market is price-weighted index calculated as the market value of a portfolio of stocks selected based on their market share.

**Australia** = The Australian Securities Exchange.

**Brazil** = Bovespa index tracks around 50 stocks traded on the Sao Paulo Stock Mercantile & Futures exchange.

**Canada** = S&P/TSX Composite Index is the capitalization-weighted index of the Canadian stock market.

# Definitions



**Chile** = Santiago Stock Exchange is the premier stock exchange of Chile and trades stocks, bonds, investment funds, derivatives and gold and silver Chilean coins.

**Columbia** = COLCAP is the main stock exchange index of the Columbia Stock Exchange and consists of the 20 most actively traded shares of the market.

**Czech** = Prague Stock Exchange is the largest and oldest securities market organizer in Czech Republic.

**Hang Seng** = The Hang Seng index is a free-float capitalization-weighted index of the Stock Exchange of Hong Kong.

**Hungary** = Budapest Stock Exchange is the 2<sup>nd</sup> largest stock exchange in Central and Eastern Europe by market capitalization and liquidity.

**India** = The Indian Stock Exchange

**Indonesia** = Indonesian: Bursa Efek Indonesia is a stock exchange base in Jakarta and has 537 listed companies.

**Italy** = FTSE MIB Index consists of the 40 most liquid and capitalized stocks listed on the Borsa Italiana Stock exchange.

**Mexico** = The Mexican Stock Exchange.

**Philippines** = Manila Stock Exchange and is composed of 30 listed companies based on a specific set of criteria.

**Poland** = The Warsaw Stock Exchange.

**Russia** = Moscow Exchange is the largest group in Russia and trades equities, bonds, derivatives and foreign exchange market along with precious metals.

**S. Africa** = Johannesburg Stock Exchange is the oldest and largest stock exchange in Africa with 472 listed companies.

**Sensex** = The S&P BSE Sensex is a free-float market weighted stock market index of 30 well established companies on the Bombay Stock Exchange.

**Singapore** = Singapore Exchange is the marketplace for many of Singapore's leading companies and is one of the primary markets for equities and various derivatives in SE Asia.

**Spain** = IBEX 35 is the official index of the Spanish Continuous Market or the most liquid stocks traded on the market.

**Switzerland** = SMI Index is the Swiss Market Index of the largest and most liquid stocks on the Zurich and Basel Stock Exchange.

**Thailand** = The Stock Exchange of Thailand which has 584 listed companies with combined market capitalization of 15.03 trillion baht or 460 billion USD.

**Turkey** = The Borsa Istanbul stock exchange.

**Taiwan** = The Taiwan Stock Exchange.

**Corporate Bonds are represented by BofA Merrill Lynch US Corporate Index (COAO) "Investment Grade"**- The Merrill Lynch Corporate Index tracks the performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch) and an investment grade rated country of risk (based on an average of Moody's, S&P and Fitch foreign currency long term sovereign debt ratings). Securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$250MM.

**Emerging Markets is represented by BofA Merrill Lynch US Dollar Emerging Markets Sovereign Plus Index (IGOV)** - This index tracks the performance of US dollar denominated emerging market and cross-over sovereign debt publicly issued in the eurobond or US domestic market. Qualifying countries must have a BB1 or lower foreign currency long-term sovereign debt rating (based on an average of Moody's, S&P, and Fitch).

**German Bonds** are represented by German Bund

**High Yield is represented by BAML High Yield Index** - An index that tracks the performance of U.S. dollar denominated below investment grade corporate debt, currently in a coupon paying period, that is publicly issued in the U.S. domestic market. Qualifying securities must have a below investment grade rating (based on an average of Moody's, S&P and Fitch foreign currency long term sovereign debt ratings). Must have one year remaining to final maturity and a minimum outstanding amount of \$100MM.

**Japanese Bonds** are represented by Japanese Government Bond (JGB)

# Definitions



**Mortgage-Backed Securities** are represented by **BofA Merrill Lynch Mortgage-Backed Securities Index (MOA0)** - This index tracks the performance of US dollar denominated fixed rate and hybrid residential mortgage pass-through securities publicly issued by US agencies in the US domestic market. 30-year, 20-year, 15-year and interest only fixed rate mortgage pools are included in the Index provided they have at least one year remaining term to final maturity and a minimum amount outstanding of at least \$5 billion per generic coupon and \$250MM per production year within each generic coupon.

**Munis** are represented by **BofA Merrill Lynch U.S. Municipal Securities Index (UOA0)** - An index that tracks the performance of U.S. dollar denominated investment grade tax-exempt debt publicly issued by U.S. states and territories, and their political subdivisions, in the U.S. domestic market. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and an investment grade rating (based on Moody's, S&P and Fitch). Minimum size vary based on the initial term to final maturity at time of issuance.

**Treasuries** are represented by **BofA Merrill Lynch US Treasury Index (GOQ0)** - The Merrill Lynch US Treasury Index tracks the performance of US dollar denominated sovereign debt publicly issued by the US government in its domestic market. Qualifying securities must have at least one year remaining term to final maturity, a fixed coupon schedule and a minimum amount outstanding of \$1 billion.

**Two-Year Treasury** is represented by **U.S. Generic Gov't 2-Year Index** – Index that tracks U.S. Generic on-the-run government bill/note/bond indices.

## Select Definitions

**Basis Point**- A basis point is a unit that is equal to 1/100th of 1%, and is used to denote the change in a financial instrument.

**"Copper"**- Copper Spot Price (HGI) Copper is the world's third most used metal behind iron and aluminum primarily used in highly cyclical industries including construction and industrial machinery manufacturing. Spot price quoted in USD/lb.

**Correlation** - A statistical measurement of the relationship between two variables. Possible correlations range from +1 to -1. A zero correlation indicates that there is no relationship between the variables. A correlation of -1 indicates a perfect negative correlation and +1 indicates a perfect positive correlation.

**Crude Oil** - Crude oil varies greatly in appearance depending on its composition. West Texas intermediate (WTI) = Texas light sweet crude is used as a benchmark in oil pricing. It's "light" because of the low density and sweet because of low sulfur. Brent crude = Is a major trading classification of sweet light crude. Brent is the oil maker also known as Brent Blend.

**Draw Down** - The peak-to-trough decline during a specific record period of an investment, fund or commodity. A drawdown is usually quoted as the percentage between the peak and the trough.

**Duration** – Duration is a commonly used measure of the potential volatility of the price of a debt security, or the aggregate market value of a portfolio of debt securities, prior to maturity. Securities with a longer duration generally have more volatile prices than securities of comparable quality with a shorter duration.

**"Gold"**- Gold Spot Price (Golds) The Gold Spot price is quoted as US Dollar per Troy Ounce.

**Market Capitalization** – The market value of a company's outstanding shares. This figure is found by taking the stock price and multiplying it by the total number of shares outstanding.

**NASDAQ**- A computerized system that facilitates trading and provides price quotations on more than 5,000 of the more actively traded over the counter stocks. Created in 1971, the Nasdaq was the world's first electronic stock market.

**P/E (Price-to-Earnings) Ratio** - The ratio of valuing a company that measures its current share price relative to its per-share earnings

**Spread** – Spread is the percentage point difference between yields of various classes of bonds compared to treasury bonds.

**Standard Deviation** (or Sigma) - Shows how much variation there is from the "average" (mean, or expected/budgeted value). A low standard deviation indicated that the data point tend to be very close to the mean, whereas high standard deviation indicated that the date is spread out over a large range of values.

**Yield curve** - Is a line that plots the interest rates, at a set point in time, of bonds having equal credit quality but differing maturity dates.

# Disclaimer



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# Just Markets – “Aqualung”

Live Webcast Hosted By:

**Jeffrey Gundlach**

Chief Executive Officer  
DoubleLine Capital

**January 12, 2021**



# Webcast Announcements



## [2021 Webcast Schedule available on www.doublelinefunds.com](http://www.doublelinefunds.com)

### [Asset Allocation Webcast – February 9, 2021](#)

Deputy CIO, Jeffrey Sherman will discuss DoubleLine’s Low Duration, Core Fixed Income and Flexible Income Funds

Go to [www.doublelinefunds.com/webcast-schedule/](http://www.doublelinefunds.com/webcast-schedule/)

1:15 pm PDT/4:15 pm EDT

### [Total Return Webcast – March 9, 2021](#)

Jeffrey Gundlach and Andrew Hsu will discuss DoubleLine’s Total Return webcast

Go to [www.doubleline.com](http://www.doubleline.com), Home page under “Webcasts”

1:15 pm PDT/4:15 pm EDT

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**DoubleLine's Channel 11** hosted by Portfolio Manager, Ken Shinoda available on YouTube

Twitter [@DLineChannel11](#)

Email: [channel11@doubleline.com](mailto:channel11@doubleline.com)



**DoubleLine “Round Table Prime”** discussion with industry leaders: Jim Bianco, Danielle DiMartino Booth, Jeffrey Gundlach, Ed Hyman and David Rosenberg discuss macroeconomics, markets, risks and best ideas for 2021.

**Macro Discussion available now on YouTube**

**Markets & Best Ideas – Will be released in the coming weeks**

# Podcast Announcements



## **“Sherman Show” Podcasts** – Named one of “Ten Must-Listen” podcasts by **Business Insider in 2020.**

Hosted by Deputy CIO, Jeffrey Sherman and Portfolio Manager, Sam Lau

Available on [doubleline.com](http://doubleline.com), iTunes, Sound Cloud, Google Play, Spotify and Stitcher

Visit them on Twitter @ShermanShowPod



## **“Monday Minutes” Podcasts** Coming every Monday starting in February

Hosted by Portfolio Managers Sam Lau and Jeff Mayberry

Weekly Macro and Markets recaps