

The Coronavirus Visualized *April 6, 2020*

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- FX, Rates, Credit & Commodities Analysis (jump to section)

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Chart Books - NI CHARTBOOK<GO>

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How To and Disclaimer

- This report was prepared as an example of how G<GO> charts can be used to create chart reports of fundamental and technical information with the Microsoft Office Bloomberg Add-in.
- The G<GO> charts are linked to the PowerPoint through the Add-in creating a chart book with fast and easy updating of financial market charts. To learn more, reach out to your account manager or authors.

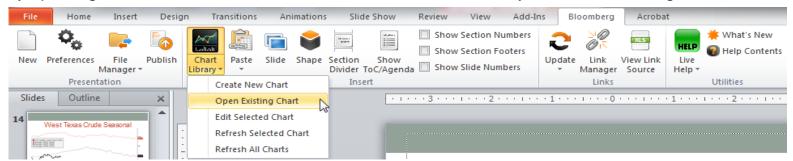


Chart functions used in this report include:

- MAP<GO>
- G<G0>
- W<GO>
- TSIG<GO>
- CCRV<GO>
- VCA<GO>

Other Valuation Tools

GF<GO> Graphing Fundamentals HRH<GO> Historical Return Histogram RV<GO> Relative Valuation Analysis **EQRV**<**GO**> Equity Relative Value GS <GO> Graph Scatter Chart NT<GO> Chart News Trends **BYFC<GO>** Yield Forecasts **HS**<GO> Historical Spread Chart

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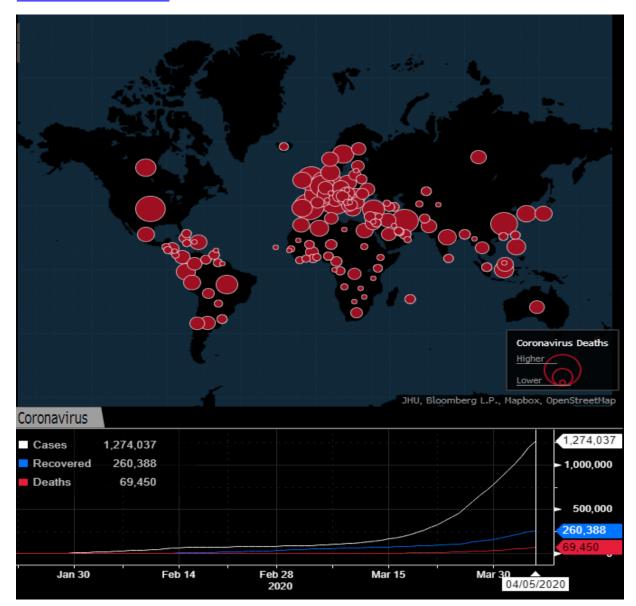
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GLOBAL CORONAVIRUS STATISTICS

LAUNCH FUNCTION

Map of Global Statistics



As of April 5th, global COVID-19 cases and recoveries are in lockstep, changing week-overweek by 77% and 76% respectively. Global deaths **doubled**, increasing by 106%.

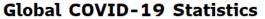
The United States joins Spain in the spotlight as both appear in the top 3 countries across all three categories.

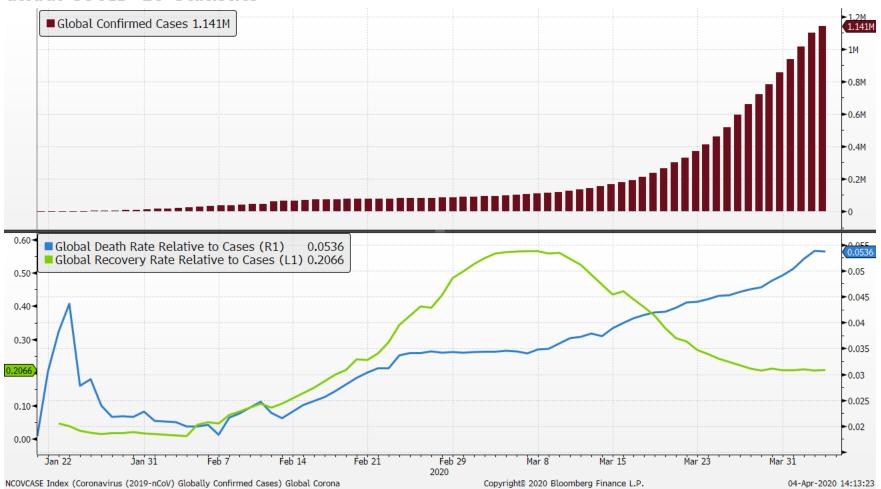
Cases – 1 day net change					
United States	25,198 (8%)				
United Kingdom	5,961 (14%)				
Spain	5,478 (4%)				

Recoveries – 1 day net change				
Spain	3,861 (11%)			
United States	2,452 (16%)			
Germany	2,300 (9%)			

United States 1137 (13%) Spain 694 (6%)			
United States	1137 (13%)		
Spain	694 (6%)		
United Kingdom	623 (14%)		

Relative Analysis of Global Statistics





The relative strength line of global deaths to cases may be stalling as the ratio dips down from yesterday's high.

Recoveries to cases continues to flatten, pointing to cases and recoveries now pacing each other.

Areas of Acceleration & Deceleration

Ticker	Dataset	Count T-1	Δ Gr Rt (1D% v. Avg%)	1D% ↓	Avg1D% (5D)	Count T-2
→ Global State						
NCOVDEAT	Globally Confirmed Deaths	59,156	Decelerating	11.5%		53,073
NCOVCASE	Globally Confirmed Cases	1,099,397	Decelerating	8.2%		1,015,722
NCOVRECO	Globally Released From Hospital or Recovered	226,615	Decelerating	7.1%	8.2%	211,599
→ Countries to	o Watch (12)					
NCOVITRE	Italy Released from Hospital or Recovered	19,758	Accelerating	8.1%	7.8%	18,278
NCOVIRRE	Iran Released from Hospital or Recovered	17,935	Accelerating	7.3%	6.6%	16,711
NCOVITDE	Italy Confirmed Deaths	14,681	Decelerating	5.5%	6.1%	13,915
NCOVIRCA	Iran Confirmed Cases	53,183	Decelerating	5.4%	6.4%	50,468
NCOVKRRE	South Korea Released from Hospital or Recovered	6,325	Accelerating	5.0%	4.0%	6,021
NCOVIRDE	Iran Confirmed Deaths	3,294	Decelerating	4.2%	4.6%	3,160
NCOVITCA	Italy Confirmed Cases	119,827	Decelerating	4.0%	4.2%	115,242
NCOVKRDE	South Korea Confirmed Deaths	177	Decelerating	1.7%	2.2%	174
NCOVKRCA	South Korea Confirmed Cases	10,156	Accelerating	.9%		10,062
NCOVREMC	Mainland China Released from Hospital or Recovered		Decelerating	.2%	.3%	76,560
NCOVDEMC	Mainland China Confirmed Deaths	3,326	Decelerating	.1%	.2%	3,322
NCOVCAMA	Mainland China Confirmed Cases	81,638	Decelerating	.0%	.0%	81,600
▼ Financial Ce	enters (12)					
NCOVUSDE	U.S. Confirmed Deaths	7,406	Decelerating	23.8%	25.4%	5,983
NCOVGBDE	U.K. Confirmed Deaths	3,611	Decelerating	23.4%	26.5%	2,926
NCOVBRCA	Brazil Confirmed Cases	9,194	Decelerating	14.0%	18.6%	8,066
NCOVUSCA	U.S. Confirmed Cases	277,953	Decelerating Decelerating Decelerating	13.4%		245,213
NCOVGBCA	U.K. Confirmed Cases	38,690	Decelerating	13.2%	14.6%	34,173
NCOVBRDE	Brazil Confirmed Deaths	363	Decelerating	11.0%	22.1%	327
NCOVJPRE	Japan Released from Hospital or Recovered	514	Accelerating	8.9%	5.1%	472
NCOVGBRE	U.K. Released from Hospital or Recovered	209	Accelerating	8.9%	5.2%	192
NCOVUSRE	U.S. Released from Hospital or Recovered	9,823	Decelerating	8.1%		9,090
NCOVBRRE	Brazil Released from Hospital or Recovered	127	No Update	.0%		127
NCOVJPCA	Japan Confirmed Cases	2,617	No Update		7.7%	2,617
NCOVJPDE	Japan Confirmed Deaths	63	No Update	.0%	3.1%	63
NCOVHKRE	Hong Kong Released from Hospital or Recovered	173	Accelerating	12.3%	8.8%	154
NCOVHKCA	Hong Kong Confirmed Cases	845	Decelerating	5.4%	5.5%	802
NCOVHKDE	Hong Kong Confirmed Deaths	4	No Update	.0%	.0%	4
- Others (201						
▼ Others (285 NCOVLURE)	Luxembourg Released from Hospital or Recovered	500	Accelerating	525.0%	156.3%	80
NCOVIERE	Ireland Released from Hospital or Recovered	25	Accelerating		100.0%	5
MCOVIERE	If etand Receased If Off Hospital of Recovered	23	Accelerating	100.06	100.0%	3

As of April 4th, global cases, deaths and recoveries all show signs of deceleration.

Considering these statistics by country, decelerating environments are currently 60% higher than those accelerating:

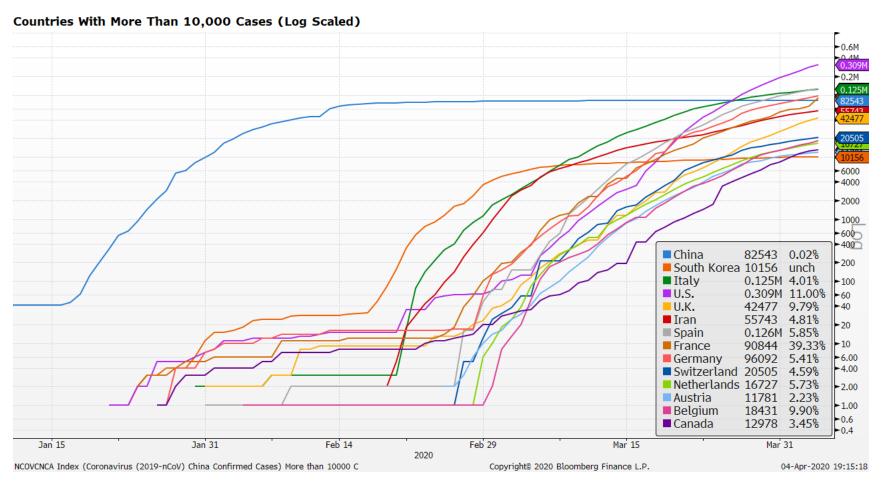
- Accelerating: 89
- Decelerating: 152

Of those accelerating, Italy, Iran, South Korea, and France top the list for recoveries.

Cases and deaths across all in the "Countries to Watch" and "Financial Centers" groups are decelerating, except for South Korea cases.

LAUNCH WORKSHEET

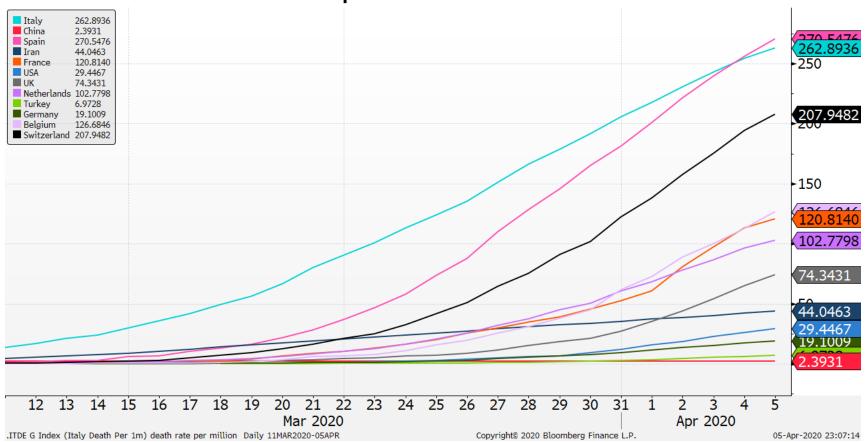
Total Cases Comparison



The number of countries with over 1,000 cases increased from 37 to 53. Of these, the largest single day percent change to end the week is Serbia with 1,476 confirmed cases, accelerating with a 26% change on day (not shown). This chart has now been updated to reflect the 14 countries with more than 10,000 cases. Of these, Belgium is the only country accelerating, with a one day percent change of 9.9%.

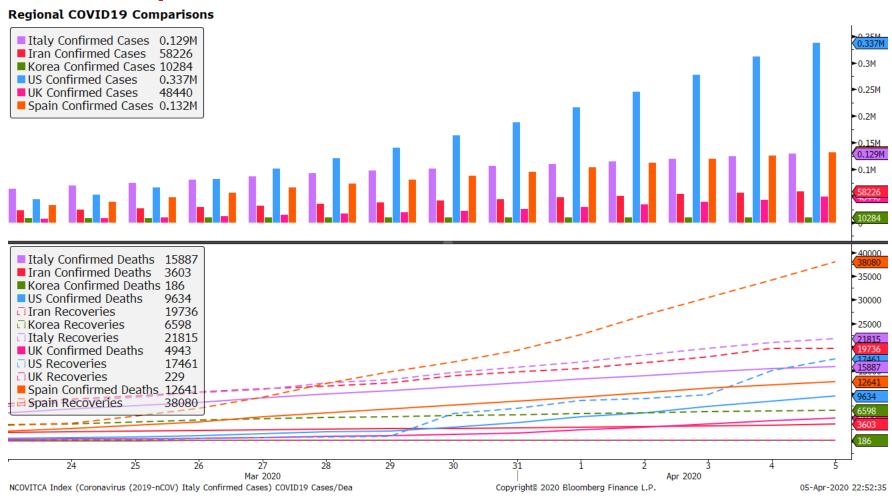
Population Adjusted Deaths





This chart demonstrates on a population adjusted basis the devastation caused by COVID-19 in Spain and Italy. This chart also raises questions regarding the veracity of the official Chinese data with just 2 deaths per million people in China reported, where the virus is believed to have originated.

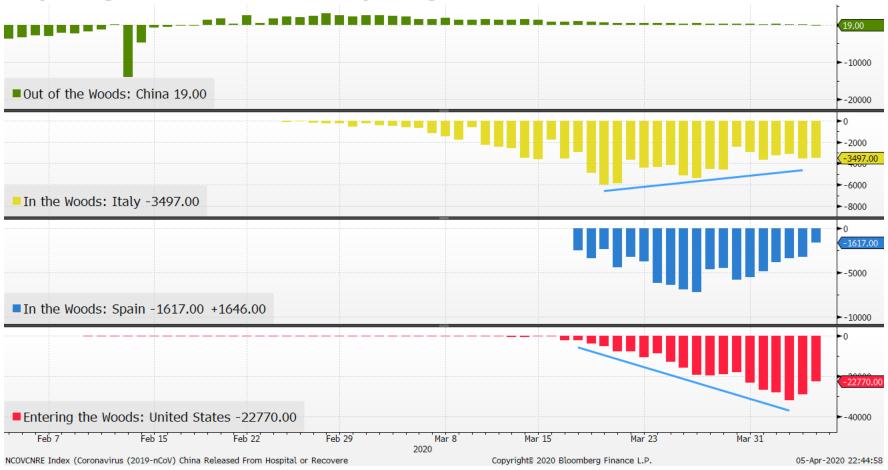
Compare Cases, Deaths & Recoveries



Spain has been added after surpassing Italy in total cases, bumping China down to 4th. After China, Spain leads the world in recoveries. Week over week, total cases in the United States have nearly tripled. Trump warns that deaths in the next few weeks will escalate and could be on par with the number of fatalities seen in world wars.

The Recovery Case Spread

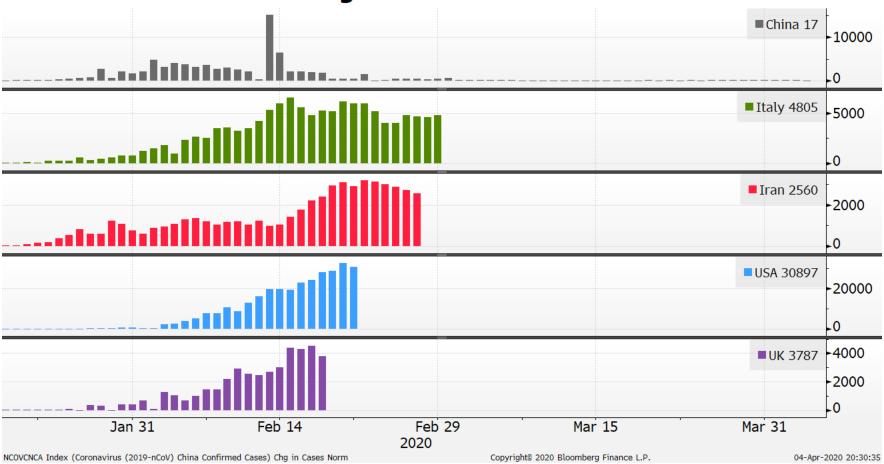
Daily Change in Recoveries minus Daily Change in Confirmed Cases



When the change in confirmed recoveries starts to outpace that of newly confirmed cases, the spread charts above will move into positive territory, signaling that the country is over the worst of the outbreak and "out of the woods." Italy and Spain continue to see their spread tightening, suggesting the worst may be over. The US ends the week without making a new low, but watch to see if this trend continues.

Normalized By Time

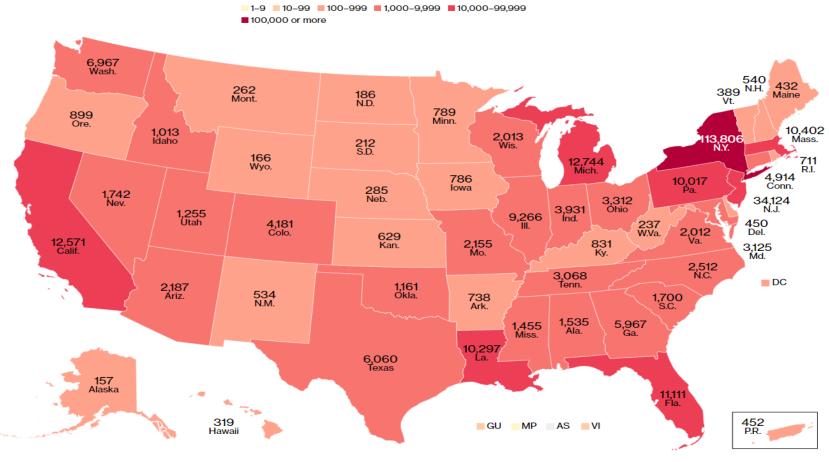
Time Normalized Net Change in Cases



The chart above shows where other countries may be in the lifecycle of this virus spread relative to China's timeline. Each country is lagged appropriately so that they all align on the day when the 100th COVID-19 case was confirmed.



Infections by State and Territory

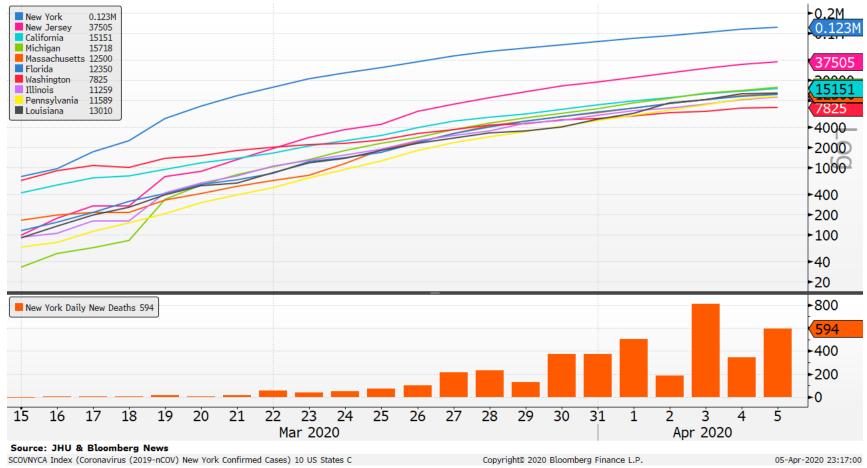


Note: State figures may not reflect repatriated patients from the Diamond Princess cruise ship or those evacuated from Wuhan, China.

As of April 4th, total infected in New York has grown 155% to 113,806 cases. This epicenter is over 3 times larger than the next state with the most infections, New Jersey, which ended the week at 34,124 cases.

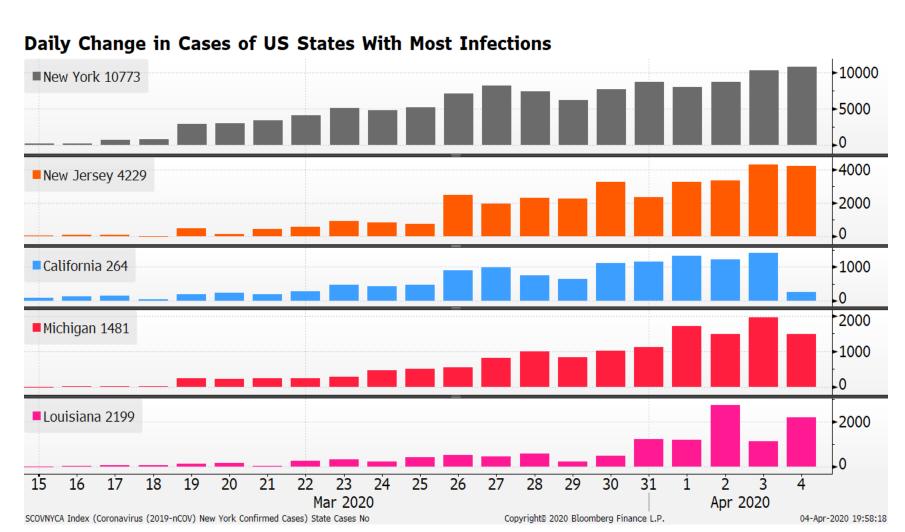
US States With Most Infections

10 US States With Highest Confirmed Cases



The chart shows the 10 US States with the highest cases. New York dwarfs all the other states, with cases increasing daily by more than 10k now and daily deaths in NY moving above 800 on Friday.

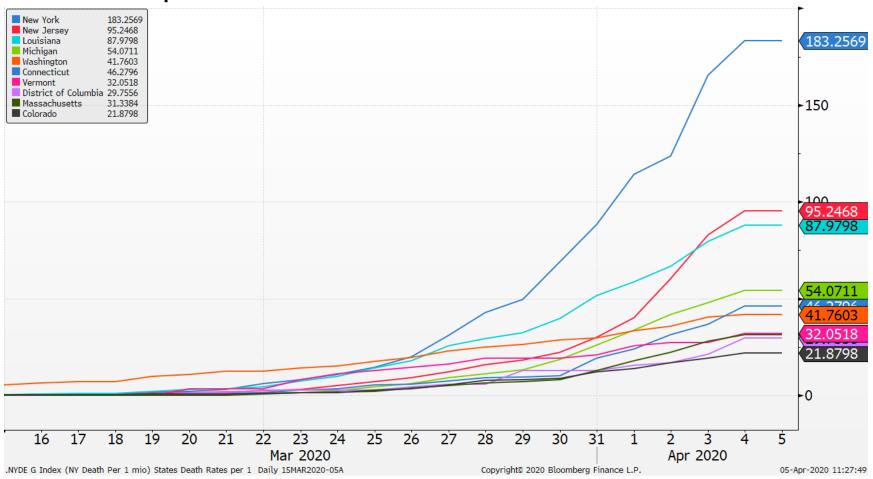
US States With Most Infections



This chart shows daily new confirmed cases (net change) in the US States with the most infections currently in New York, New Jersey, California, Michigan, and Louisiana.

US State Deaths Per 1 million

US State Deaths per 1 million



This chart shows the 10 states with the highest deaths on a population adjusted basis

Top 10 U.S. States by Number of Tests

March 26th values

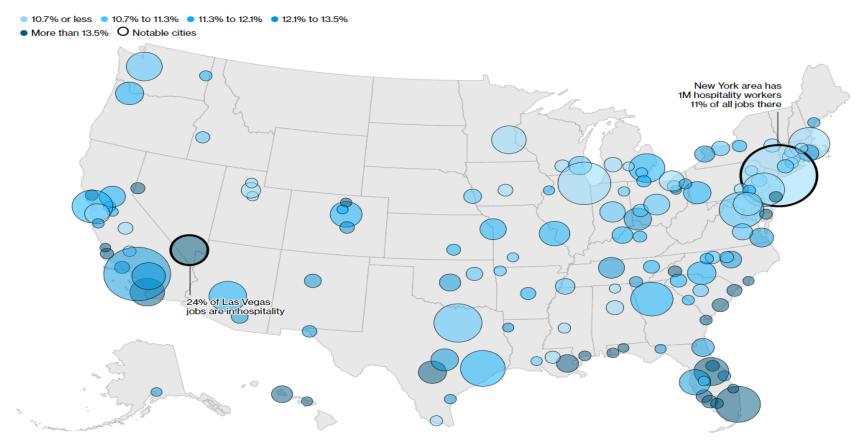
	Mar 4	Mar 26	Tests	Population	
New York			122,104		20M
California			77,786		40M
Washington			34,292	\circ	8M
Florida			27,539		20M
Massachusetts			23,621	\circ	7M
Texas			21,424		30M
New Jersey			20,537	\bigcirc	9M
Pennsylvania			18,128	\bigcirc	10M
Louisiana			18,029	0	5M
Ohio			17,316	\bigcirc	10M

April 2nd values

	Mar 4	Apr 2	Tests	Population		
New York			238,965		20M	
California			92,500		40M	
Florida			78,581		20M	
Washington			74,798	\circ	8M	
New Jersey			59,110	\bigcirc	9M	
Massachusetts			56,608	\circ	7M	
Pennsylvania			54,714	\bigcirc	10M	
Louisiana			51,086	0	5M	
Texas			50,679		30M	
Illinois			43,656		10M	

Florida increased the number of tests performed week over week by 185%, climbing into the top 3 states for COVID-19 testing. New Jersey has nearly tripled the number of tests. Illinois bumps Ohio off the top 10.

Hospitality Impact



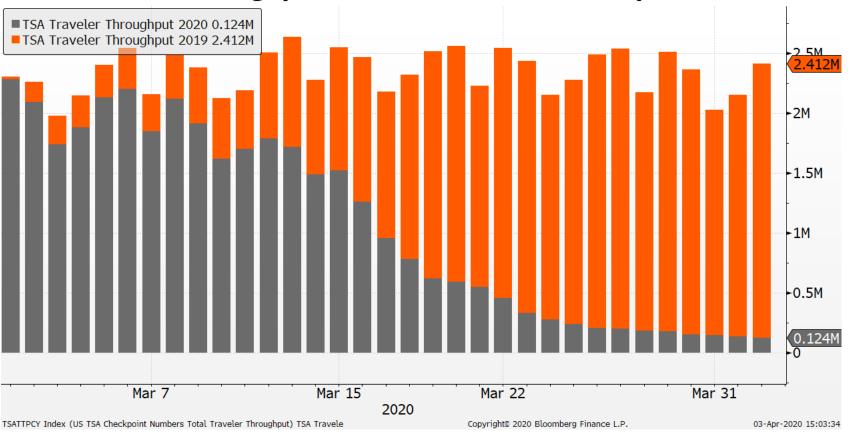
Note: Limited to cities with at least 20,000 hospitality workers. Source: U.S. Bureau of Labor Statistics

"More than 15 million hospitality jobs in U.S. cities are at risk from restrictions being put in place to deal with the spread of Covid-19," Andre Tartar writes in his recent analysis based on the latest available U.S. Bureau of Labor Statistics, which covers 40 occupations critical to America's hospitality and gaming industries. The map above shows hospitality workers as a share of each metro area's workforce (circles sized by total hospitality jobs).

LAUNCH LINK

Travel Insights

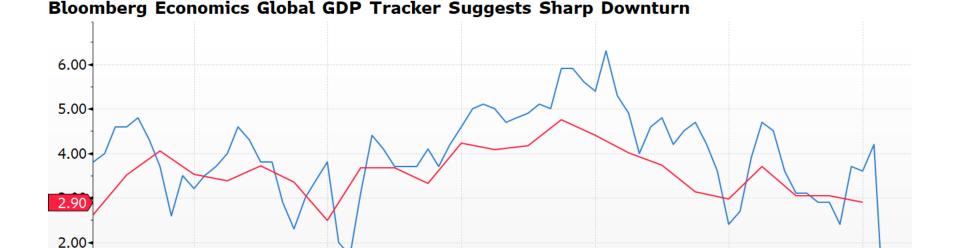
TSA Traveler Throughput March 2019/2020 Comparison



US Transportation Security Administration checkpoint has seen a remarkable collapse in passenger traffic in March. On Thursday 04/02 there were 2.41 million less passengers versus the same date in 2019, demonstrating the industry is now operating at just 5% of its level at the same time in 2019. For more charts on the impact of the coronavirus on the aviation industry click here for the BNEF report.

ECONOMIC & POLITICAL INDICATORS

Global Growth



1.00-

0.00

-0.50

-1.00

2014

■ Bloomberg Economics Global GDP Tracker

BCMPGLGE Index (Bloomberg Economics Global GDP Tracker QoQ SAAR) Global Growth

■ Global GDP Growth (PPP-weighted) on 12/31/19 2.90

2015

Bloomberg Economics' new Global GDP Tracker, based on business surveys for the U.S., the Euro-area and China as well as indexes of global equity and metal prices is already contracting at an annual rate of 0.5%. Over the last 15 years, the quarterly readings have explained 75% of the variation in GDP.

2017

2018

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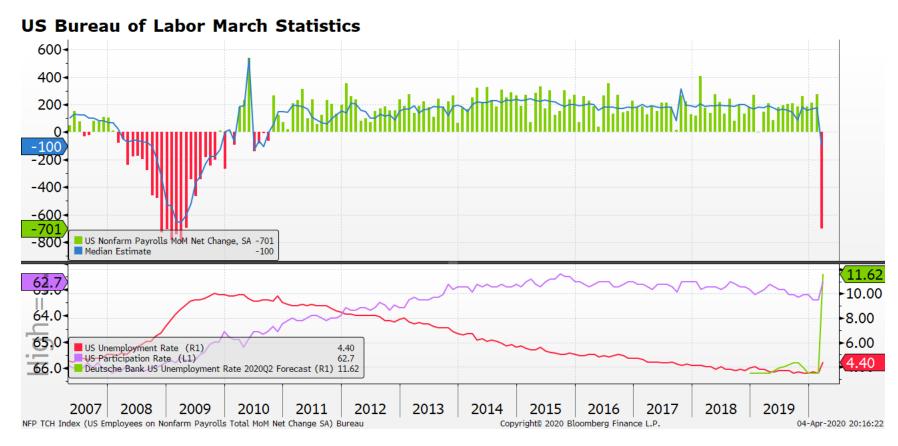
2019

2020

04-Apr-2020 20:13:30

2016

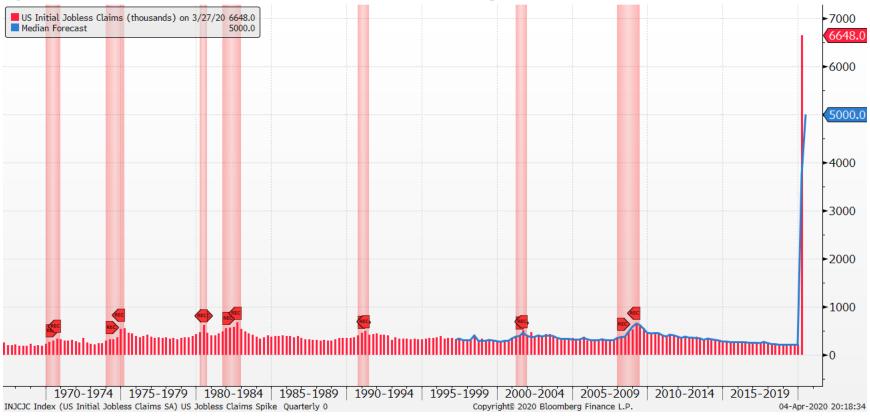
US March Nonfarm Payrolls



Last Friday nonfarm payrolls fell 701k, significantly worse than the median expectation of -100k. The unemployment rate rose to 4.4% and the participation rate dropped to 62.7%. Note the revision in Deutsch Bank's Q2 2020 Unemployment forecast to 11.6%. UBS's Q2 2020 forecast is 14.4%, while Bloomberg Economics's Q2 2020 forecast is for 15% unemployment.

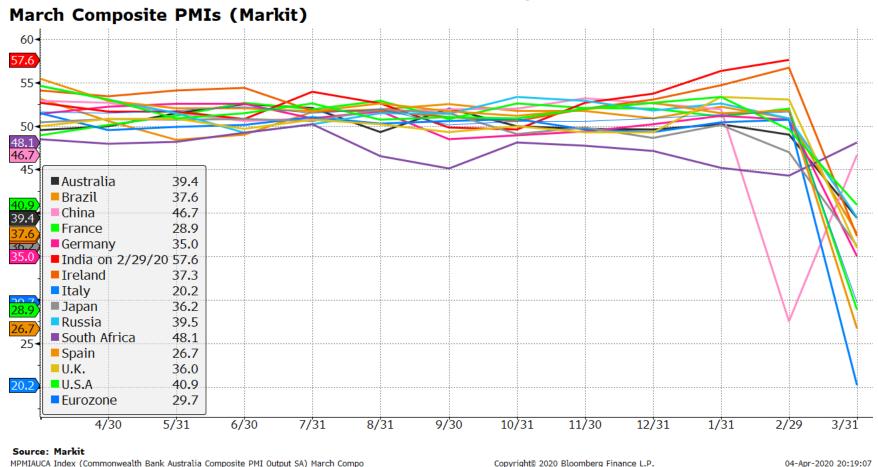
US Jobless Claims

Spike in US Jobless Claims As Virus Infects Economy



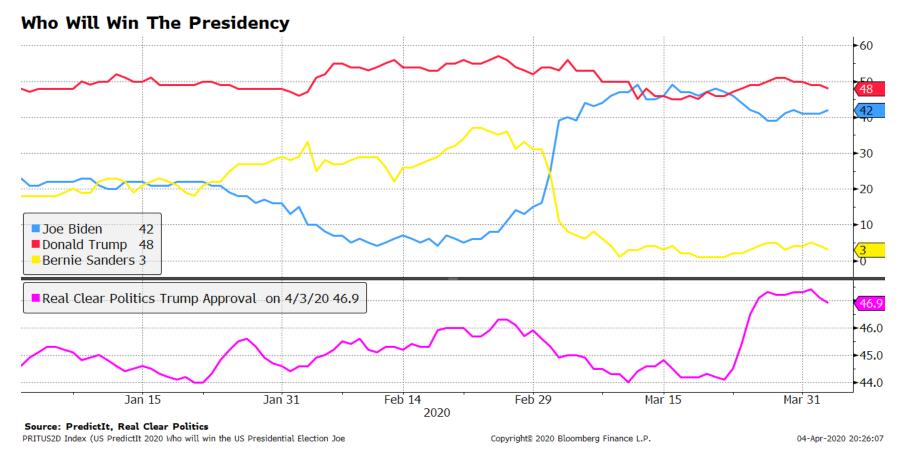
If you thought the record jobless claims number from last week couldn't get worse, this week showed it could with 6.648 mio new jobless claims again significantly higher than the median forecast of 5mio. Comparing these last two weekly numbers versus history back to 1966 is extremely sobering.

PMI Surveys



Markit Composite PMI is a monthly summary report concerning the changes in the working conditions of private companies in the manufacturing and service sectors. Readings below 50 mean worsening of business conditions and often provides a leading indicator for subsequent official economic releases like GDP. Last week we saw major drops in this data across the board except for China which bounced back after a shocking February number.

US Presidential Candidates



According to PredictIt, the top panel shows that Trump's odds for being elected to a second term are improving as the crisis deepens, which ties out with the bottom panel of a Real Clear Politics Poll showing that Trump's approval rating has moved a few points higher since the middle of March

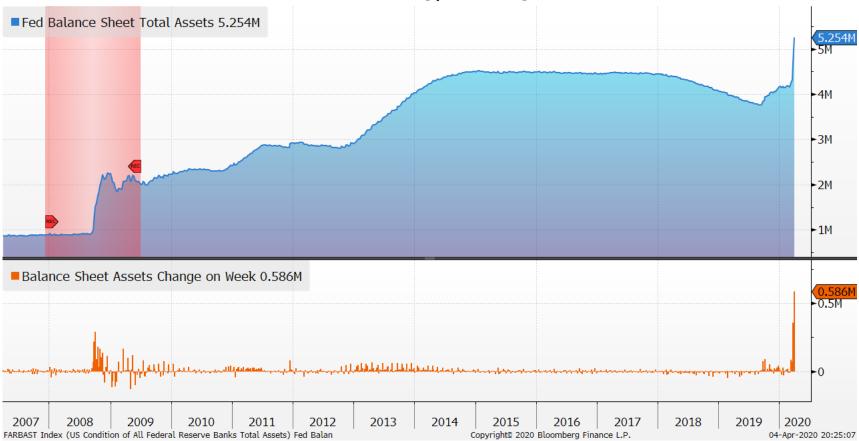
Follow the Fed



As the largest and most liquid corporate bond ETFs, LQD as well as potentially VCIT, VCSH, & VSCH will likely be targeted for purchase by the Fed as it's new facilities extend to investment-grade bonds. Note the increase in fund flow after the Fed's announcement on 03/23.

The Fed's Balance Sheet

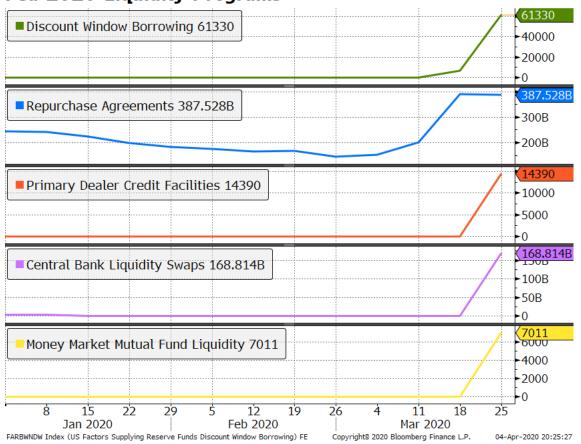




The Federal Reserve Balance Sheet total assets have now spiked up above 5 trillion dollars after the most recent liquidity measures. The single week jump was the largest on record.

The Fed's Liquidity Program





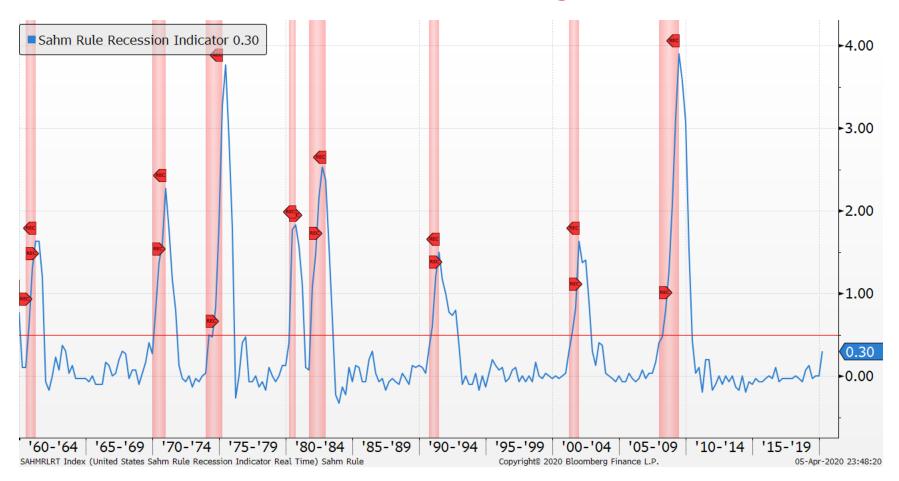
The chart displays the quantitative easing programs the Fed has begun, along with the following additional programs also set up:

- CPFF (Commercial Paper Funding Facility) – buying commercial paper from the issuer.
- PMCCF (Primary Market Corporate Credit Facility) – buying corporate bonds from the issuer.
- TALF (Term Asset-Backed Securities Loan Facility) – funding backstop for asset-backed securities.
- SMCCF (Secondary Market Corporate Credit Facility) – buying corporate bonds and bond ETFs in the secondary market.
- MSBLP (Main Street Business Lending Program) – Details are to come, but it will lend to eligible small and medium-size businesses, complementing efforts by the Small Business Association.

LAUNCH CHART

FIND DATASETS

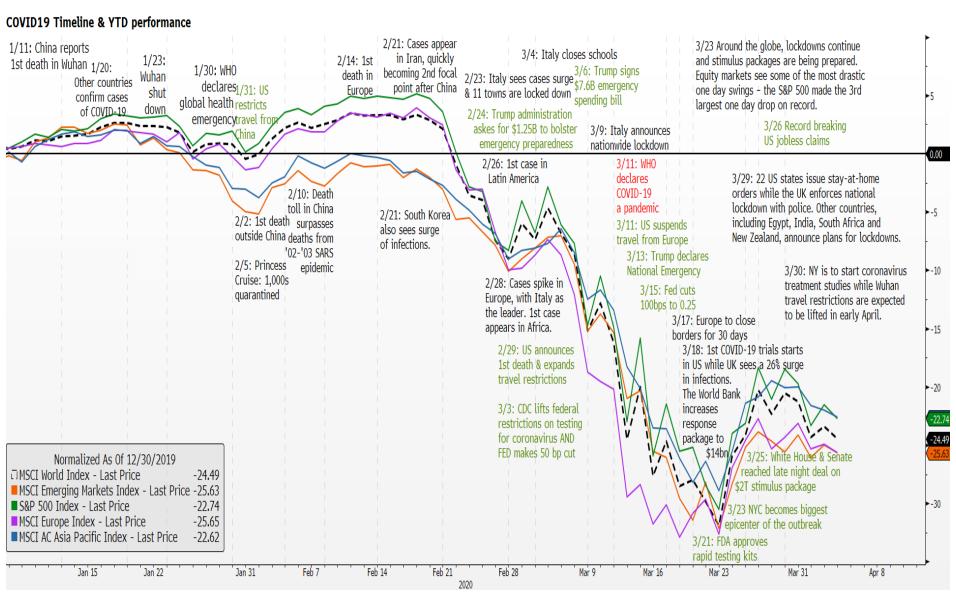
Sahm's Rule In Sight



Social distancing measures show that the US is accelerating towards Sahm's Rule. Sahm's Rule states that the US has always entered a recession when the 3 month moving average of unemployment rate rises 0.5% from it's 12-month low.



Equity Market Impact & COVID-19 Timeline

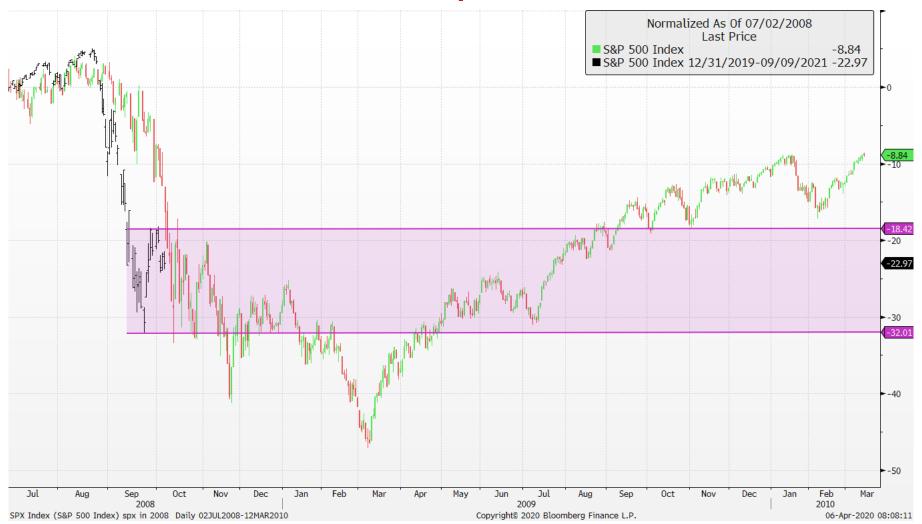


Yield Comparison



It is a rare event that the S&P 500's dividend yield crosses above the US 30yr Treasury's yield. This has happened in late February and appears to be widening. The spread between the two is the widest it's ever been in over 40 years (including in 2008) and is diverging.

S&P 500: Comparison to 2008



The mirroring of the financial crisis of 2008 continues as the S&P 500's current sideways movement pans out.

Continue to watch for retests of this high and low range.

S&P 500 – Techncials Long Term





This month, prices gather at the level we are watching for long support with a very small bodied candle, currently symbolizing uncertainty. Watch with caution as the conversion (blue) and base lines (purple) are now equal and a topping pattern may be forming. A break below the support (dotted pink horizontal line) and ultimately below the Ichimoku cloud could result in a pause near 2015 levels (top set of dashed blue lines) before extending to a target that could align with 2007 highs (second set of blue lines).

S&P 500 – Technicals Medium Term

Meeting Resistance



On the weekly, the 200-week moving average has provided significant support for the S&P 500's uptrend, bouncing off this level multiple times. Price recently broke below this line for the first time in a decade, finding support at the 50% Fibonacci retracement level. Price now tests the 200-week average from the angle of resistance while resting on the 38.2% level. This tight zone is setting price up for a break – watch the direction of the break for a high likelihood that price will continue a mid-term move in that direction.

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S&P 500 – Technicals Short Term



On the year-to-date short term daily chart, Fibonacci analysis shows price finding significant support. The 23.6% level of the retracement drawn from the February high to the March low aligns with the 38.2% line of the recent bounce off the March 23rd low. From a Fibonacci breadth perspective, 43% of the S&P 500 members have not moved below their 38.2% level off the March lows, showing that the constituents support this short tem bullish rally.

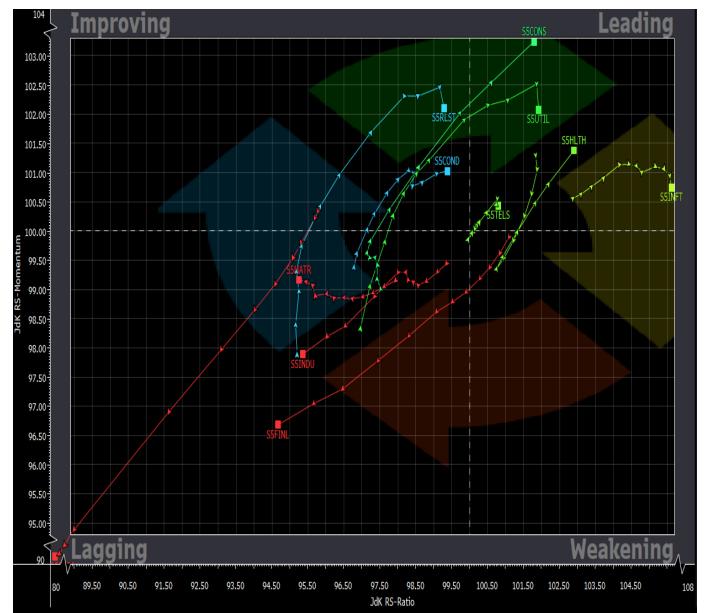
LAUNCH FUNCTION

Market Breadth



Considering the Dow Jones, the percent of members that are currently generating a MACD buy signal has hit a 20 year high. Similar extended levels have only been reached 4 times before this recent clustering of alerts, and those were clustered near the bottom of the '08 financial crisis. Looking twenty days out from the signals averaged a 6.5% price appreciation.

Sector Rotation



From a relative strength perspective, comparing to the S&P 500, Consumer Staples and Health Care continue full steam ahead while Utilities has started to lose some momentum this week in the leading quadrant.

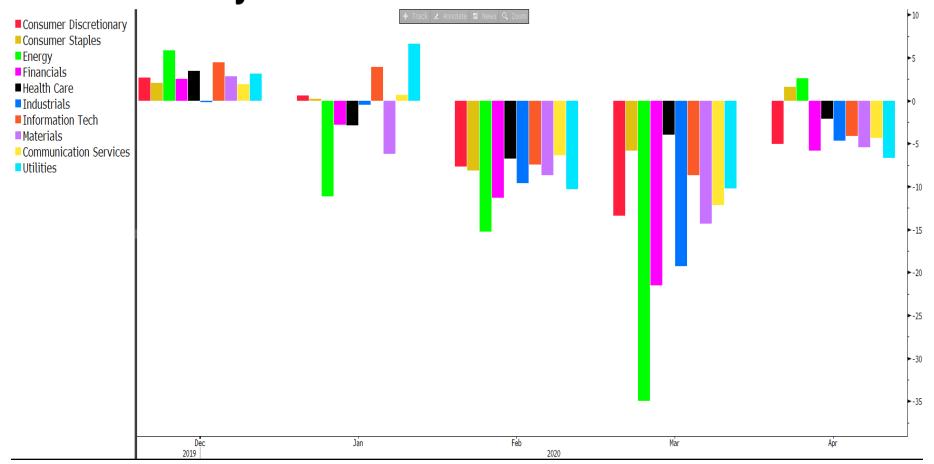
Energy is the largest lagger, depicted off the grid in the bottom left. Momentum may be starting to turn for this sector, as the rate of decline flattens a bit this week.

This relative rotation graph give insights into relative outperformance (x-axis >100) or under performance (x-axis <100) as well as momentum (y-axis > 100, ticker is picking up speed).

LAUNCH FUNCTION

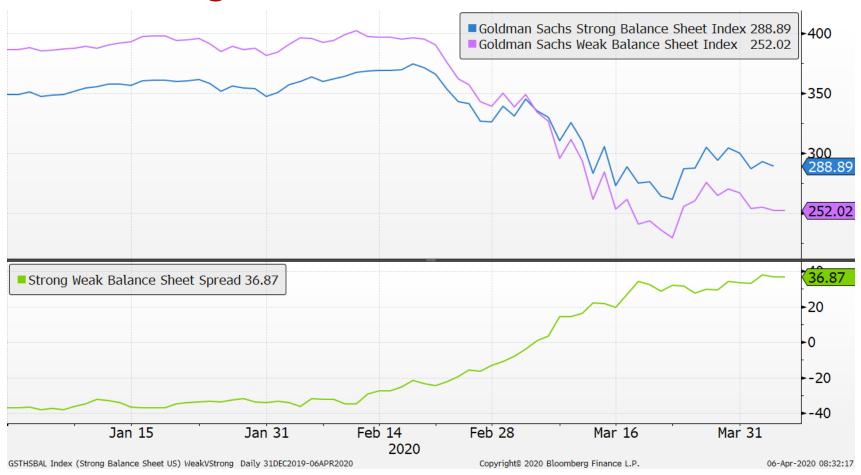
Sector Performance

S&P 500 Monthly Sector Performance



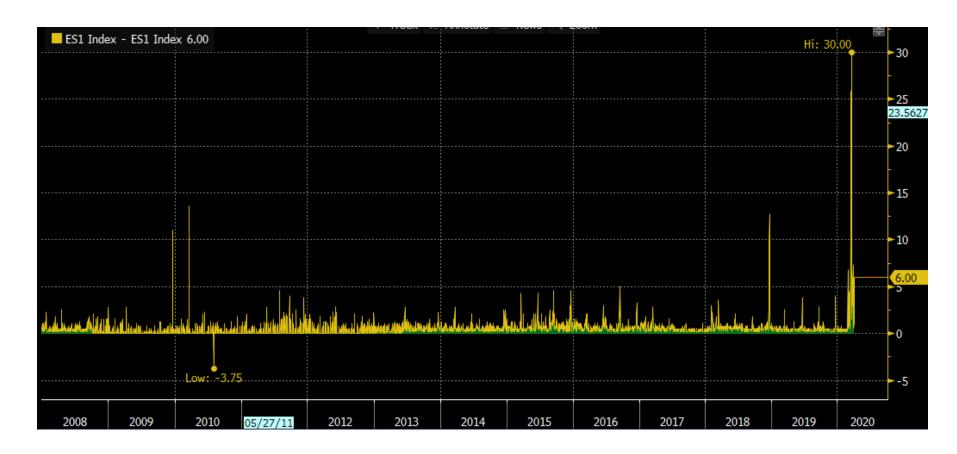
Only a few days into April, Energy is followed by Consumer Staples with both sectors leading the month-on-month change with positive figures, +2.6% and +1.6% respectively. As a defensive sector, it's not surprising to see consumer staples leading, but watch energy to see if this push is sustained for a potential early sign of a bottom.

Strong Vs Weak Balance Sheets



After underperforming at the beginning of the year, the corporations in the Goldman Sachs Strong Balance Sheet Index continues to out perform those names in the Weak Balance Sheet index.

Liquidity In S&P Mini Futures



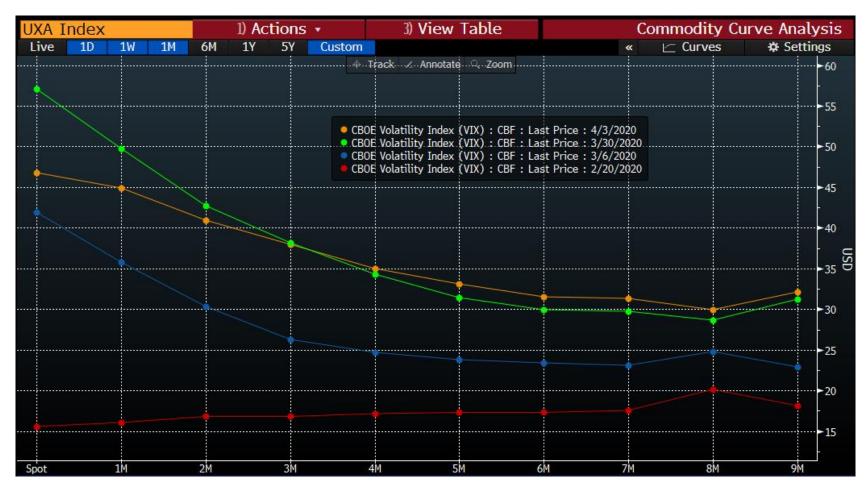
The bid-ask spread of the mini S&P futures exploded and while a retrenchment has been seen, it remains very elevated.

The Fear Index



The Vix is now more than 35 points off it's 3/16 closing high but remains 2.5 times above it's long-run average level and is pricing in ~3% move a day for the SPX.

VIX Curve Comparison



The VIX curve is still firmly in backwardation and while the degree of this in the front months has flattened this week, long term volatility expectations have increased at the long end.

Vix Backwardation In Front Two Months



The degree of backwardation in the first two months of the VIX futures' curve while very steep, is flattening.

1M Volatility for Global Indices

91) Actions • 92) Sample Views	93) Settings			Volatility and Correlation Analysis						
Index				%Mone	100% ▼	Term	1 Month	y Ra	nge 3 Year	rs 🔻
5) Impl Vol 6) Impl/Realized Vol 7) Skew	8) Term	9) I	mpl Corr		/Realized	Corr				
				1M 100	l Volatil	ity				
Underlying	Vol	Chg	Low	Range	High	Avg	+/-	PCTL	StdDev	#SD
1) North/Latin America				Now + Avg						
11) DOW JONES INDU AVG	52.36	-2.59	6.92	•	81.90	14.10	38.25	97.55	9.37	4.08
12) S&P 500 INDEX	46.36	28	6.34	•	78.66	13.15	33.20	97.55	8.44	3.93
13) NASDAQ 100 STOCK INDX	41.65	-3.04	9.17		78.26	17.73	23.92	97.28	7.92	3.02
14) RUSSELL 2000 INDEX	47.62	87	10.00	•	93.70	16.84	30.78	97.55	8.26	3.73
16) CBOE Volatility Index	153.77	-4.60	67.53		203.51	94.83	58.94	96.88	19.62	3.00
2) Europe/Africa/Middle East										
21) Euro Stoxx 50 Pr	41.50	-3.26	8.72	•	78.44	14.27	27.23	97.32	7.80	3.49
22) FTSE 100 INDEX	39.59	-2.47	6.88	•	74.35	12.45	27.14	97.30	7.40	3.67
23) CAC 40 INDEX	42.71	-2.25	8.65	•	77.54	14.43	28.28	97.32		3.63
24) DAX INDEX	42.96	-2.77	9.00	•	79.82	15.30	27.66	97.28		3.53
25) AEX-Index	42.94	-3.20	7.85	•	81.64	13.24	29.70	97.32		3.61
26) OMX STOCKHOLM 30 INDEX	40.38	-2.71	9.26	•	70.48	14.83	25.54	97.27		3.62
27) SWISS MARKET INDEX	35.12	-2.96	7.33	•	69.88	12.59	22.53	97.26		3.18
28) FTSE/JSE TOP 40 Jun20	40.37	.25	10.92	•	54.39	16.72	23.65	97.66	5.75	4.12
29) ESTX Banks (EUR) Pr	56.97	-4.89	14.03	+	103.38	23.70	33.27	97.32	9.97	3.34
3) Asia/Pacific Rim										
31) NIKKEI 225	40.41	-5.32	9.11	•	74.20	16.43	23.98	97.20	7.41	3.24
32) HANG SENG INDEX	28.66	-3.47	10.44	**	61.87	17.15	11.51	96.96		1.98
33) S&P/ASX 200 INDEX	43.16	-5.40	7.70	•	86.16	12.57	30.59	97.56	8.26	3.70
34) KOSPI 200 INDEX	37.68	-4.48	8.85	•	72.83	14.46	23.22	97.48	6.96	3.33
35) Nifty 50	55.97	-3.67	8.89	•—•	90.51	14.94	41.03	98.03	8.96	4.58

US Major indices continue to lead the way as the geographic area with the highest implied volatility.

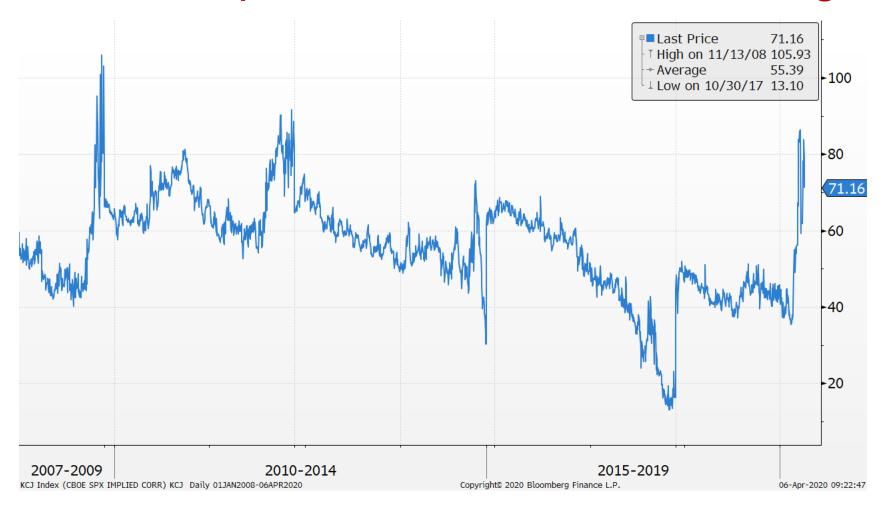
In standard deviation terms, the difference has increased this week.

S&P 500: Implied & Historical Vol



This week has seen an acceleration in the widening of the spread between one month realized volatility of the SPX relative to the VIX.

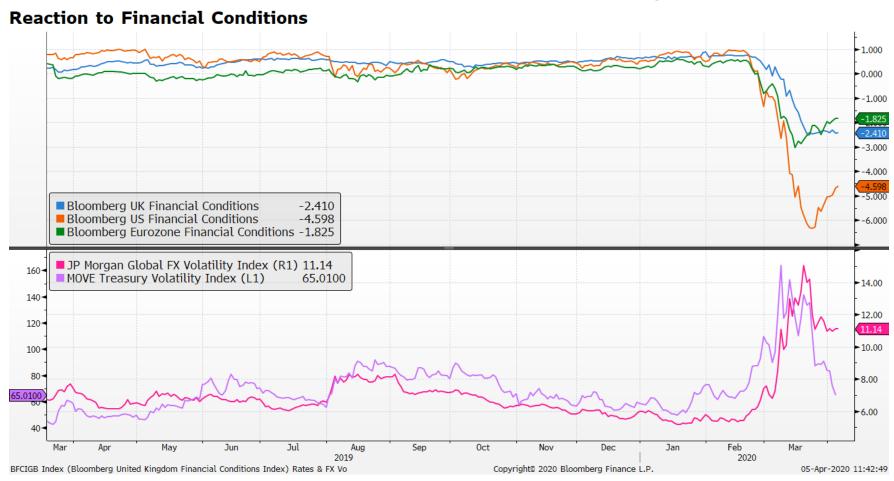
S&P500 Implied Correlation Remains High



The KCJ index shows correlation has spiked and remains very elevated, showing that movement down and up has tended to be together for the constituents.

FX, RATES, CREDIT & COMMODITIES

FX & Rates Volatility



The top panel indicates the Bloomberg US Financial Conditions Index continued to climb off the lows now from 03/23. With that, both FX and rates implied volatility are now well off the highs.

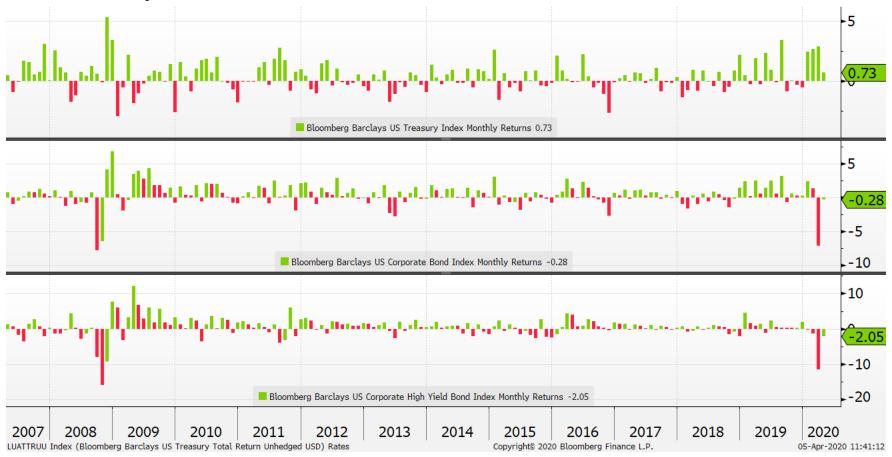
FX Reaction to Virus Outbreak



YTD the USD and Gold have unsurprisingly performed best while high-yielding currencies, particularly commodity net exporters have suffered with MXN, BRL,RUB, and AUD depreciating the most versus the USD. Perhaps surprisingly, on a total return basis, the CHF and JPY are slightly down versus the USD.

Fixed Income Flight to Quality

US Treasuries / Credit Performance



This chart demonstrates the flight to quality in last couple of months in fixed income with US treasuries strong performance in March while investment grade and high yield bond performance suffered. These indices and many more can be found at IN <GO>.

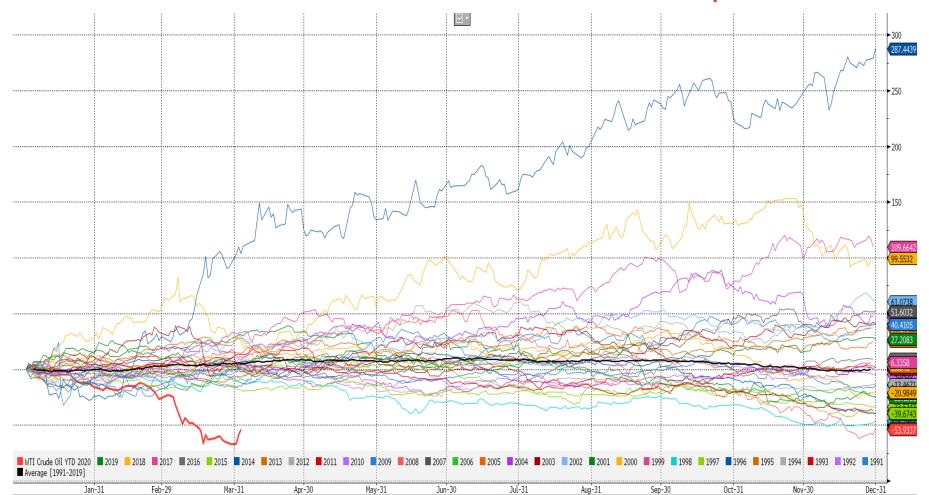
Bullish Divergence for Crude



WTI Crude found significant support near the 161.8% Fibonacci level, projected off the 2018 decline. 14-day RSI shows bullish divergence levels it set higher lows despite price moving sideways. Given this clue, this recent bounce may be more significant. Watch for Crude to hold above the 150% for confirmation.

Reach out to authors for enablement to custom study in lower panel.

WTI Crude Oil Performance 30 Year Comparison

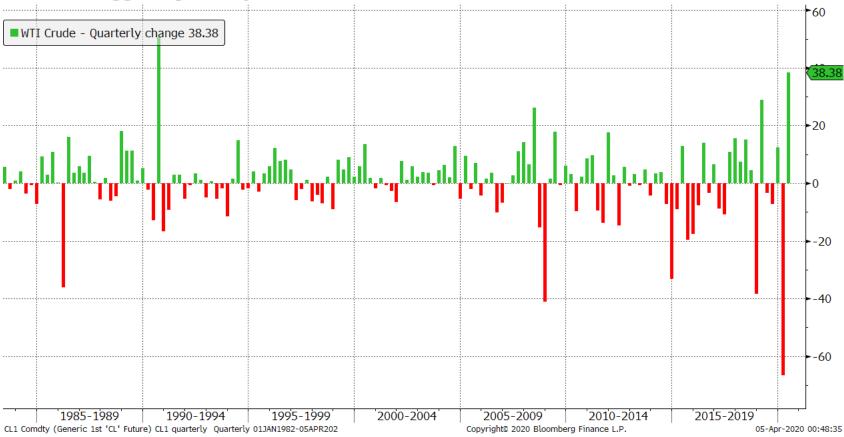


Despite a strong week for WTI crude oil, up around 50% from the lows of \$19.27, oil is still down over 50% ytd. This is the worst performance of WTI in the last 30 years. Oil bounced this week on speculation that a meeting of OPEC+ members now scheduled for 04/09 will result in cuts in global production.

LAUNCH FUNCTION

WTI Crude Oil Quarterly Performance

WTI sees biggest quarterly decline on record



The first quarter 2020 decline of -66.5% in WTI was the largest quarterly decline on record.

Brent Crude Super Contango



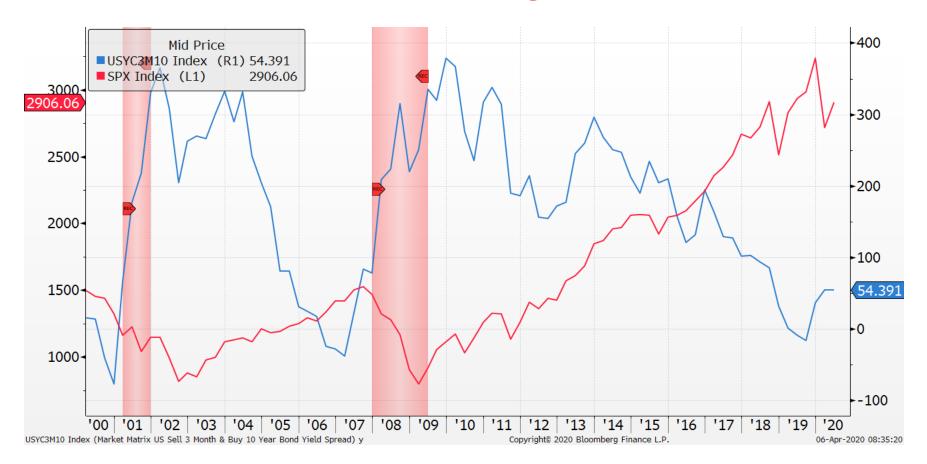
Last week saw a Super Contango in the May-November Brent crude futures. This was more pronounced than the one seen in 2008 and suggests that an historic glut is on the horizon.

LAUNCH CHART



The TED spread had been relatively calm and falling but has jumped alarmingly with credit risk now outperforming equity volatility substantially.

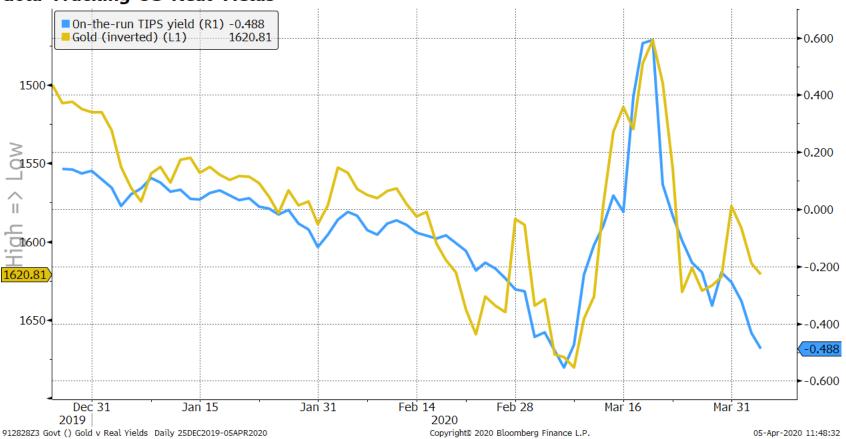
Yield Curve Leading Stocks



The spread between the 3 month Treasury yield and the yield seen on the 10-Year has historically lead the stock market and after steepening is flattening slightly.

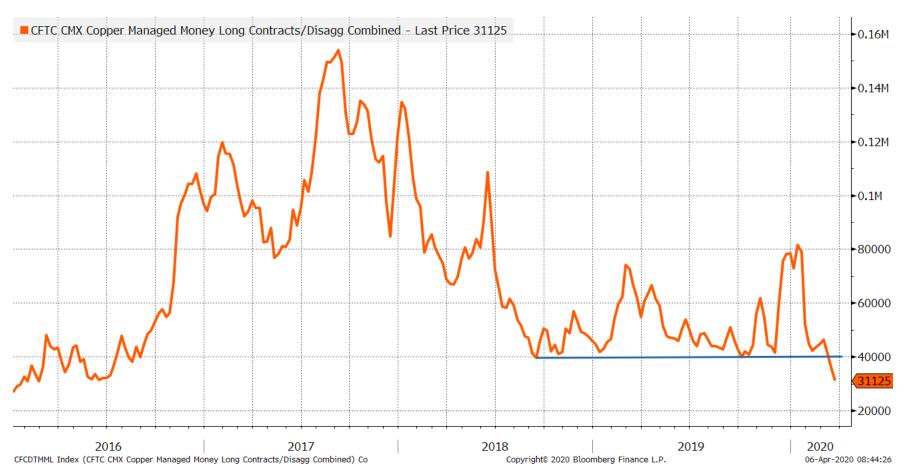
Gold vs Real Yield

Gold Tracking US Real Yields



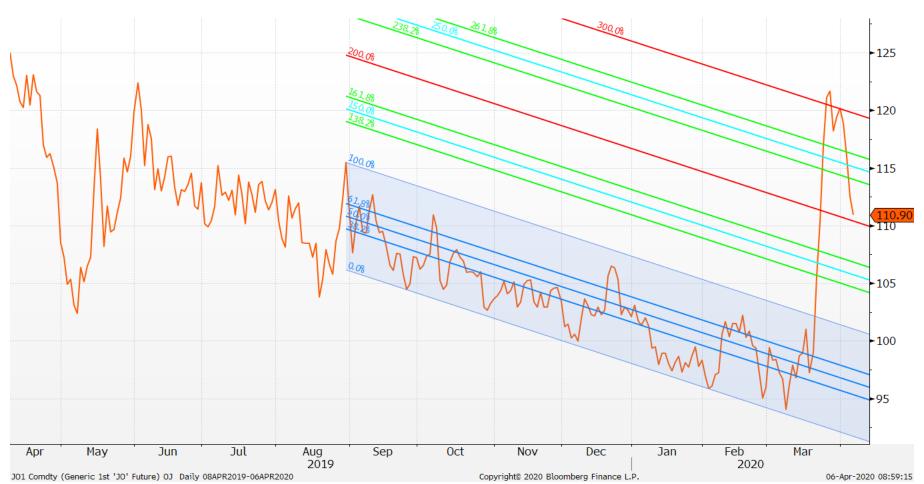
Gold is tracking US real yields very closely (inversely) as it should. The opportunity cost of buying gold decreases as nominal rates decline and gold is notoriously a store of value and thus will increase when inflation expectations increase. Gold struggled at the beginning of the week largely due to quarter end risk parity flows most likely but recovered those losses towards the end of the week. Potential for further monetary and fiscal stimulus should keep gold supported.

Copper



With copper's role as a leading indicator of economic growth, continued bearish signs are seen as money mangers' long-only futures positions continue to fall to the lowest in four years, breaking beneath support.

Orange Juice



As consumer stock pile food and drink, the price of vitamin C-rich orange juice has risen sharply. Projecting Fibonacci levels off the recent channel, considering the August peak, March highs failed at the 300% level before resting on the current 200%. Watch for potential continued support.

Resources

- Run <u>DOCS BQL COVID<GO></u> for an excel workbook to help analyze the Coronavirus across countries.
- NI CHARTBOOK<GO> to see all weekly coronavirus visualized publications and more
- NI TECHBAI<GO> for recent technical signals that have statistical substance
- Search <u>SMNR<GO></u> for quick insights!

Keyword: **BITESIZE** – for quick 5-10 minute sessions

Keyword: FLASH – for webinars averaging 20 minutes in length

Upcoming Webinars

Charting Series Month Date/Time EST **Topic** Link Weds 4/8 11AM Creating Your Strategy Pt1 SMNR 862619 <GO> April Weds 5/6 11AM Testing Your Strategy Pt2 SMNR 862620 <GO> May Weds 6/17 11AM **Technical Screening** SMNR 862621 <GO> June